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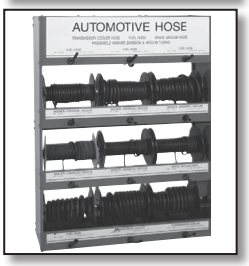

LUBRICANTS

MINERAL BASED OILS AND GREASES

Hydraulic Oils:

- Pirtek supply popular commonly used hydraulic fluids
- Available in ISO Grades 46 and 68
- All oils incorporate advanced performance additives to combat rust, corrosion and wear
- Meet or exceed major manufacturer's requirements
- Handy 10 litre packs or 205 litre drums
- High Viscosity HVI types available upon request

Automotive Fluids:

- ATF Type D is a quality Automatic Transmission Fluid suitable for older style automatic transmissions and modern Power Steering systems available in a 5 litre pack
- For smaller power steering requirements, Pirtek offer a 350 ml pack of Power Steering Fluid
- For other specialist requirements, please consult Pirtek

- NLGI No2 Lithium complex grease contains extreme pressure additive
- Recommended for extended lubrication intervals
- Suitable for wheel bearings (disc and drum brakes), chassis, construction and farm equipment
- Provides superior resistance to water wash out
- Good adhesive properties
- Has a smooth texture and is blue in colour

PIRTEK LUBRICATION PRODUCTS

Product Code	Description	350 ml	450 gram	1 litre	5 litre	10 litre	20 litre	205 litre
VATFD-05	Type D Automatic Transmission Fluid 5 Lt				●			
VATFDX3-01	Type DX3 Automatic Transmission Fluid 1 Lt			●				
VATFDX3-05	Type DX3 Automatic Transmission Fluid 5 Lt				●			
VPS-350	Power Steering Fluid 350ml	●						
VEP2-450	Molylith EP2 Grease 450 g (Box= 12 Units)		●					
VM-450	MoS_2 Fortified Lithium Complex		●					
VHT46-10	Oil - Hydraulic Oil 46 X 10 Lt					●		
VHT46-20	Oil - Hydraulic Oil 46 X 20 Lt						●	
VHT46-205	Oil - Hydraulic Oil 46 X 205 Lt							●
VHT68-10	Oil - Hydraulic Oil 68 X 10 Lt					●		
VHT68-20	Oil - Hydraulic Oil 68 X 20 Lt						●	
VHT68-205	Oil - Hydraulic Oil 68 X 205 Lt							●

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LUBRICANTS
MINERAL BASED OILS AND GREASES

VHT46
HYDRAULIC OIL
ISO GRADE 46

Product Code	Description	Packaging Size
VHT46-10	Hydraulic Oil 46	10 litre
VHT46-20	Hydraulic Oil 46	20 litre
VTH46-205	Hydraulic Oil 46	205 litre

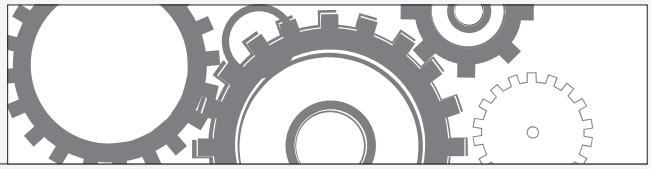
- Premium mineral based oil with quality additives for long life
- Good oxidation resistance, corrosion prevention, and anti-wear performance
- Recommended for use in mobile and industrial applications where either mild or severe operating conditions exist
- Ideal for general industrial equipment such as machine tools, rotary air compressors and enclosed gearboxes where extreme pressure additives are not required
- NB: **NOT** recommended for Lucas pumps with silver bearings
- Always refer to the Owner's Manual for recommended oil grade and change intervals
- Approvals: Vickers M-2950-S, 1-286-S
  Cincinatti Milacron P68, P69, P70
  DIN 51524 Part 2
  US Steel 127, 136
  Denison HF-1, HF-0

VHT68
HYDRAULIC OIL
ISO GRADE 68

Product Code	Description	Packaging Size
VHT68-10	Hydraulic Oil 68	10 litre
VHT68-20	Hydraulic Oil 68	20 litre
VHT68-205	Hydraulic Oil 68	205 litre

- Premium mineral based oil with quality additives for long life
- Good oxidation resistance, corrosion prevention, and anti-wear performance
- Recommended for use in mobile and industrial applications where either mild or severe operating conditions exist
- Ideal for general industrial equipment such as machine tools, rotary air compressors and enclosed gearboxes where extreme pressure additives are not required
- NB: **NOT** recommended for Lucas pumps with silver bearings
- Always refer to the Owner's Manual for recommended oil grade and change intervals
- Approvals: Vickers M-2950-S, 1-286-S
  Cincinatti Milacron P68, P69, P70
  DIN 51524 Part 2
  US Steel 127, 136
  Denison HF-1, HF-0

LUBRICANTS
MINERAL BASED OILS AND GREASES



VATFD
AUTO TRANSMISSION FLUID TYPE D

Product Code	Description	Container Size
VATFD-05	Auto Transmission Fluid Type D	5 litre

- Can be used in all vehicles requiring a IID specification fluid
- Suitable for all GM vehicles up to 1993
- Can be used for in service fills on most popular vehicles
- Approvals: GM 6137M
  Ford M2C 138-CJ
  DB 236.6
  DB 236.7

VATFDX3
AUTO TRANSMISSION FLUID TYPE DX-3

Product Code	Description	Container Size
VATFDX3-01	Auto Transmission Fluid Type DX-3	1 litre
VATFDX3-05	Auto Transmission Fluid Type DX-3	5 litre

- Formulated with premium base stocks and advanced additive technology to meet the challenging demands of an automatic transmission environment
- A high quality friction-modified lubricant
- Carries both GM and Ford approvals
- Responsive low temperature fluidity
- Benefits both electronically and hydraulically controlled transmissions
- Surpasses the requirements of Manufacturers specifying DEXRON® III
- Features greater friction stability to maintain consistent shift performance
- Meets new tests for wear and shudder resistance
- Resists thickening due to high temperature
- Approvals:
  Dexron ® III qualified
  Ford M2C 138-CJ, M2C 166-H
  Mercon
  Caterpillar TO-2
  HN 2105
  Allison C4
  GM 6297M

VPS
POWER STEERING FLUID

Product Code	Description	Container Size
VPS-350	Power Steering Fluid	350 ml

- Formulated to meet the stringent requirements of most power steering units
- Prevents corrosion, oxidation and wear
- Helps stop leaks
- Keeps seals and O-Rings pliable

PLEASE NOTE: This product is <u>not suitable for all</u> vehicles / power steering units.
Refer to vehicle owner's manual before application

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VM

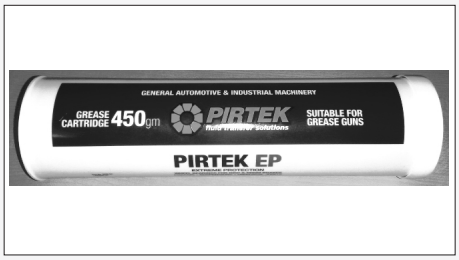
ALL PURPOSE GREASE
LITHIUM COMPLEX WITH 3% MoS_2

Product Code	Description	Cartridge Size
VM-450	MoS_2 Fortified Lithium Complex	450 gram

- Special long life grease for high load service conditions
- Fortified with extreme pressure additives
- Contains rust and corrosion inhibitors
- Tackiness adhesive additives prevent squeeze out under high loads
- Molybdenum Disulphide (MoS_2 3%) incorporated to increase film strength
- Suited to all types of automotive, industrial and marine applications
- Meets NLGI No. 2 performance
- Grey / black in colour
- 5% MoS_2 version available upon request
- 12 Units per carton

VEP2

EXTREME PRESSURE GREASE
NLGI NO. 2 LITHIUM COMPLEX GREASE



Product Code	Description	Cartridge Size
VEP2-450-B	Valplex EP Grease	450 gram

- Contains a non-lead extreme pressure (EP) additive
- Contains rust and corrosion inhibitors
- Suited to extended lubrication intervals of vehicle chassis points
- Other applications:
  - Wheel bearings (drum or disc brake equipped) for all types of vehicles and equipment
  - Oscillating bucket pins and universal joints
  - Ball, roller and slow speed plain bearings under all service conditions
- Meets NLGI No. 2 performance
- Blue in colour
- Smooth and tacky texture
- 12 Units per carton

CAUTION: DO NOT mix greases. Always thoroughly wash out bearings and housings before repacking

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LUBRICANTS
CLEANER AND DEGREASER

VABPC
BRAKE PARTS CLEANER

Product Code	Description	Aerosol Size
VABPC-400	Brake Parts Cleaner	400 gram

- Quickly removes brake fluid, grease, oil and brake dust while leaving no residue
- The fast drying solvent helps dislodge surface dirt and oil to eliminate brake squeal
- Safe for use on electric motors, switches and distributor contacts during maintenance (do not apply to electrical components whilst they are in service)

VAD
AUTO DEGREASER

Product Code	Description	Aerosol Size
VAD-400	SynPower Super Degreaser	400 gram

- An emulsifiable fluid with high solvency for removal of sludge and grime
- Clean engines, chassis, parts and concrete floors
- Simply spray on, allow to soak, and remove with jets of water
- Do not use on wet surfaces, since water will reduce the cleaning performance
- Available in bulk supply packs (5, 20, 205 litre) to special order

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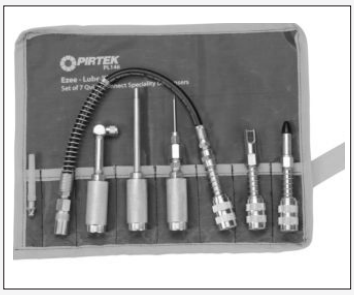
LUBE EQUIPMENT
GREASE, OIL, FUEL, WATER & AIR



Description :

- Pirtek's extensive range of fuel, lubricant, chemical and solvent drum pumps facilitate quick and easy fluid transfer
- If you are aiming to source a cost effective means of transferring fluids out of drums, Pirtek will have the equipment to suit your needs to get the job done quickly

Product Range:

- 20 litre drum pumps
- 60 litre drum pumps
- 205 litre drum pumps
- Hand operated drum pumps
- Air operated drum pumps
- 12 volt, 24 volt, 240 volt drum pumps
- Synthetic or mineral based lubricant transfer drum pumps
- Kerosene, diesel fuel or petrol transfer drum pumps
- Transmission and brake fluid transfer drum pumps
- Chemical, acid or solvent drum pumps
- Grease transfer drum pumps
- Bulk tank pumps
- Air operated diaphram pumps

Applications:

- Ideal for automotive, agriculture, mining, timber, food & beverage and other primary industries
- Suit contractors and construction engineers
- Use in workshops, car dealerships, foundries etc

Description :

- The extensive range of Pirtek Greasing equipment facilitates the quick and efficient lubrication of plant and machinery, be it with the aid of simple grease nipples and grease guns or a multi-zoned, fully monitored lube system
- The new industry benchmark Series PL1 grease guns guarantee quick and easy greasing
- Strong technical back-up by our network will ensure that your lubrication problems are quickly and professionally solved

Product Range:

- Grease nipples and grease nipple assortment kits
- Grease nipple extensions
- 450 gram grease guns
- Grease gun accessories
- 2.5kg, 20kg, 55kg and 180kg grease kits
- Grease control valves
- Grease swivels
- Grease hose reels
- Remote mount and manual grease kits
- Single, dual and multi line grease and oil systems

Applications:

- Industry application includes industrial, automotive, agricultural, transport, mining, marine, petrochemical, construction, food processing, steel and aluminium plants, forestry, milk and dairy, aviation and much more.

* Please note when using grease gun couplers & grease gun hoses, the grease gun working pressure is rated to the lowest of the component's working pressure.

LUBE EQUIPMENT
GREASE GUNS

PL100
STANDARD GREASE GUN
LEVER ACTION

Product Code	Description	Grease Capacity
PL100	Standard Lever Action Grease Gun	450 gram

- Capacity : 450 gm
- Grease cartridge / suction fill.
- Construction : Sheet metal Grease Gun head fitted with Bulk Loader.
- 150 mm steel extn. & standard 4 Jaw coupler
- Develops 6,000 PSI.
- Threaded : 1/8" BSPT
- Finish : Powder Coated Blue
- 1 gram/stroke

PL101
HEAVY DUTY GREASE GUN
LEVER ACTION

Product Code	Description	Grease Capacity
PL101	Heavy Duty Lever Action Grease Gun	450 gram

- Capacity : 450 gm
- Grease cartridge / Suction fill / Bulk Fill.
- Construction : Aluminum Die Cast Grease Gun head fitted with bulk loader & auto air bleeder
- Features : Built-In Variable Stroke, super strong lever handle with rubber grip
- 150 mm steel extension & professional 4 Jaw coupler
- Develops 10,000 PSI
- Threaded : 1/8" BSPT
- Finish : Powder Coated Blue
- 1 gram/stroke

PL102
HEAVY DUTY GREASE GUN TO SUIT UNDERGROUND MINING
LEVER ACTION

Product Code	Description	Grease Capacity
PL102	Heavy Duty Lever Action Grease Gun Designed for Underground Coal Mining	450 gram

- Designed for Underground Coal Mining
- Capacity : 450 gm
- Grease cartridge / Suction fill / Bulk Fill.
- Construction : Zinc Die Cast Grease Gun head fitted with bulk loader & new air release valve
- Features : Built-In Variable Stroke, super strong lever handle with rubber grip
- 150 mm steel extension & professional 4 jaw coupler
- Develops 10,000 PSI
- Threaded : 1/8" BSPT
- Finish : Powder Coated Yellow
- 1 gram/stroke

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PL104

LEVER ACTION GREASE GUN CLEAR TUBE, HEAVY DUTY

Product Code	Intended Use	Grease Capacity
PL104	Clear Tube Heavy Duty Lever Action Grease Gun	450 gram

- Capacity : 450 gm
- Grease cartridge / suction fill / Bulk Fill.
- Construction : Aluminum Die Cast Grease Gun head fitted with bulk loader & automatic air bleeder.
- Features : Built-In Variable Stroke, super strong lever handle with rubber grip
- 150 mm steel extn. & professional 4 Jaw coupler
- Develops 10,000 PSI.
- Threaded : 1/8" BSPT
- Finish : Clear Tube with Aluminium Ends
- 1 gram/stroke

PL105

MINI LEVER ACTION GREASE GUN

Product Code	Intended Use	Grease Capacity
PL105	Mini Lever Grease Gun	85 gram

- Capacity : 85 gm / 120 cc
- Grease cartridge / suction fill
- Construction : Aluminium Die Cast Grease Gun head fitted with steel block nut
- 150 mm steel extn. & standard 4 Jaw coupler
- Develops 6,000 psi
- Threaded : 1/8" BSPT
- Finish : Powder Coated Blue
- 0.55 gram/stroke

PL111

PISTOL GRIP ACTION HEAVY DUTY GREASE GUN

Product Code	Description	Grease Capacity
PL111	Pistol Grip Grease Gun	450 gram

- Capacity : 450 gm
- Grease cartridge / suction fill, bulk loader valve fittred to head
- Construction : Aluminium Die Cast Grease Gun head fitted with automatic air bleeder.
- 300 mm Hose & professional 4 Jaw coupler.
- Develops 5,000 PSI.
- Threaded : 1/8" BSPT
- Finish : Powder Coated Blue
- 0.50 gram/stroke, variable stroke

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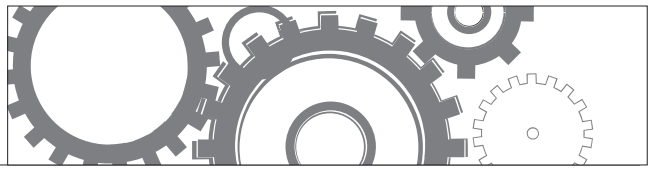
LUBE EQUIPMENT
GREASE GUNS



PL112
HEAVY DUTY GREASE GUN TO SUIT UNDERGROUND MINING PISTOL GRIP

Product Code	Description	Grease Capacity
PL112	Heavy Duty Pistol Grip Grease Gun designed for underground coal mining	450 gram

- Top of the line Pistol Grip Grease Gun, one hand operation
- Capacity : 450 gm cartridge or 650 ccm bulk capacity by suction fill
- Grease cartridge / suction fill
- Construction : Zinc Die Cast Grease Gun head fitted with automatic air bleeder
- 300 mm Hose & professional 4 Jaw coupler.
- Develops 5,000 PSI.
- Threaded : 1/8" BSPT
- Finish : Powder Coated Yellow
- 0.50 gram/stroke

PL113
HEAVY DUTY GREASE GUN WITH VARIABLE OUTPUT PISTOL GRIP ACTION

Product Code	Description	Grease Capacity
PL113	Pistol Grip Grease Gun (Variable)	450 gram

- Pistol Grip Grease Gun, one hand operation
- Capacity : 450 gm or 650 c/cm bulk fill
- Grease cartridge / suction fill / bulk fill
- Construction : Aluminium Die Cast Grease Gun head fitted with bulk loader valve.
- Features : Variable handle setting for High Pressure / high volume applications
- 300 mm High Pressure Hose & professional 4 Jaw coupler.
- Develops 7,000 psi in High pressure setting & dispenses twice the amount of Grease compared to most other guns in high volume setting.
- Threaded : 1/8" BSPT
- Finish : Powder Coated Blue
- 0.90 gram/stroke

PL114
CLEAR TUBE HEAVY DUTY GREASE GUN PISTOL GRIP ACTION

Product Code	Description	Grease Capacity
PL114	Clear Tube Heavy Duty Pistol Grip Action Grease Gun	450 gram

- Clear Tube Pistol Grip Action Grease Gun
- Capacity : 450 gm or 650 c/cm bulk fill
- Grease cartridge / suction fill
- Construction : Aluminium Die Cast Grease Gun head fitted with bulk loader & automatic air bleeder valves
- 300 mm Hose & professional 4 Jaw coupler
- Develops 5,000 psi
- Threaded : 1/8" BSPT
- Finish : Clear impact resistant polycarbonate tube with aluminium ends
- 0.50 gram/stroke

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PL115

MINI GREASE GUN PISTOL GRIP ACTION

Product Code	Description	Grease Capacity
PL115	Mini Pistol Grease Gun with dual discharge ports (inline & 90 deg)	85 gram

- Capacity : 85 gm / 120 cc
- Grease cartridge / suction fill
- Construction : Aluminium Die Cast Grease Gun head fitted with steel block nut
- 100 mm steel extn. & standard 4 jaw coupler
- Develops 3,500 PSI
- Threaded : 1/8" BSPT
- Finish : Powder Coated Blue
- 0.40 gram/stroke

PL120

AIR OPERATED HEAVY DUTY GREASE GUN CONTINUOUS ACTION

Product Code	Description	Grease Capacity
PL120	Continuous Action Air Operated Grease gun	450 gram

- Capacity : 450 gm cartridge or 650 c/cm bulk fill
- Grease cartridge / suction fill / Bulk Fill
- Construction : Aluminium Die Cast Grease Gun head fitted with bulk loader valve
- 150 mm steel extn. & professional 4 jaw coupler without ball check
- Develops 4,800 PSI
- Threaded : 1/8" BSPT
- Finish : Powder Coated Blue
- Air inlet: 1/4" BSPT
- Pressure ratio 40:1
- 0.90 gram/shot
- Delivers 400 grams/minute
- Max air inlet pressure 3-8 bar (40-120 psi)

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LUBE EQUIPMENT
GREASE GUN ACCESSORIES

PL140
PROFESSIONAL GREASE GUN COUPLER 4 JAW

Product Code	Description	Pressure Rating
PL140	Professional Grease Gun Coupler	6,000 psi
PL140N	Professional Grease Gun Coupler NPT	6,000 psi

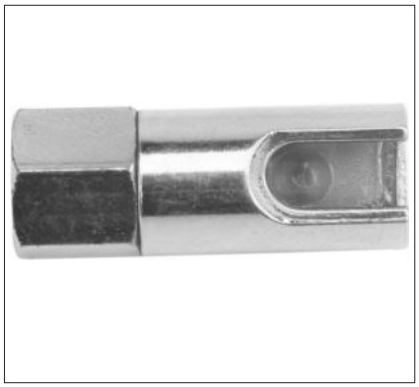
- Professional 4 Jaw Coupler with Ball Check
- 6,000 psi / 415 Bar
- For Hand Operated Grease Guns
- 15mm diameter
- 1/8" BSPT

PL141
HEAVY DUTY GREASE GUN COUPLER 4 JAW

Product Code	Description	Pressure Rating
PL141	Heavy Duty 4 Jaw Coupler	10,000 psi
PL141N	Heavy Duty 4 Jaw Coupler NPT	10,000 psi

- Heavy Duty 4 Jaw Coupler with Ball Check
- 10,000 psi / 690 Bar
- For Hand & Air Operated Grease Guns
- 17mm diameter
- 1/8" BSPT

PL142
GREASE GUN COUPLER 90 DEGREE



Product Code	Description	Pressure Rating
PL142	90 Degree Coupler without Ball Check	1,000 psi

- Hydraulic Coupler 90 Degree without Ball Check
- 1,000 psi / 69 Bar
- For hand operated Grease Guns
- 1/8" BSPT

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PL143

HYDRAULIC COUPLER
360° SWIVEL

Product Code	Description	Pressure Rating
PL143	Hydraulic Coupler 360 Deg Swivel	7,000 psi

- Hydraulic Coupler 360 deg, locks at any 45 deg position
- 3 Jaw with Ball Check
- 7,000 psi/483 bar
- For hand operated Grease Guns
- 1/8" BSPT

PL144 & PL145

PUSH ON BUTTON HEAD COUPLERS
SUIT 16 mm & 20 mm BUTTON HEADS

Product Code	Description	Pressure Rating
PL144	Push On 16 mm Button Head Coupler	4,000 psi
PL145	Push On 22 mm Button Head Coupler	4,000 psi

- Push On Button Head Coupler for 16 mm and 22 mm Button Head Fittings
- 1/8" BSPT
- Zinc die cast body
- Without ball check
- Mostly used on heavy machinery and contractors equipment

PL146

GREASE ACCESSORY KIT
QUICK CONNECT 7 PIECE

Product Code	Description	No. of Pieces
PL146	Quick Connect Grease Gun Accessory Kit	7

- 7 pc Quick Connect Grease Guns accessory Kit Including :-

- Professional Recessed Lube Adaptor - 1,000 PSI W.P
- Grease Injector Needle s/s 38 mm long - 1,000 PSI W.P
- Professional 90 deg Angle Lube Adaptor - 1,000 PSI W.P
- Professional Narrow Needle Nose Adaptor - 1,000 PSI
- Jaw Type Coupler to Seal Off Dispenser - 1,000 PSI W.P
- Regular Coupler to Right Angled Coupler - 1,000 PSI W.P
- Quick Connect Hose - 3,500 PSI W.P

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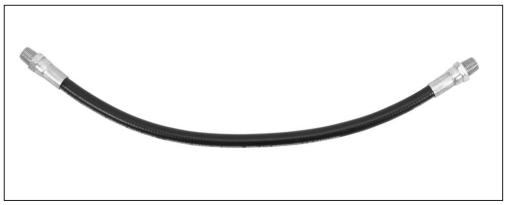
LUBE EQUIPMENT
GREASE GUN ACCESSORIES

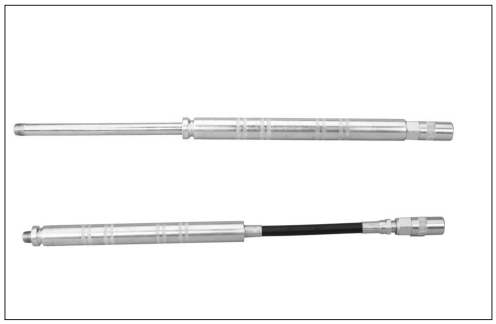
PL150 - PL155
GREASE GUN HOSES
STANDARD & HIGH PRESSURE



Product Code	Standard Pressure (Hand Operated Guns) 240 Bar / 3,500 psi WP (11,600 psi BP)			High Pressure (Hand and Air Operated Guns) 400 Bar / 5,800 psi WP (13,775 psi BP)		
	Length mm			Length mm		
	200	300	450	300	450	700
PL150	•					
PL151		•				
PL152			•			
PL153				•		
PL154					•	
PL155						•

- High Pressure hoses are ideal for cold weather use
- All threads are 1/8" BSPT
- Standard Pressure Hose (OD = 8.5 mm, ID = 3.6 mm)
- High Pressure Hose (OD = 10.8 mm, ID = 4.1 mm)

PL157
GREASE GUN EXTENSION
FLEXIBLE / RIGID COMBO



Product Code	Description	Pressure Rating
PL157	Flexible / Rigid Grease Gun Extension	5,000 psi

- 5000 psi / 345 Bar
- Converts Rigid Extn. To Flex. & vice versa
- Extends to 330 mm overall length
- Comes with prfessional 4 Jaw coupler
- For hand operated grease guns only

PL158
GREASE GUN EXTENSIONS
BENT / STRAIGHT 2 PIECE PACK

Product Code	Description	Pressure Rating
PL158	Combo Straight and Bent Grease Gun Rigid Extensions	6,000 psi

- Combo Pack
- Includes one 150 mm Bent Steel Extn. & one 100 mm Straight Steel Extn.
- Threaded 1/8" BSPT
- 6000 psi / 413 Bar
- For hand operated grease guns only

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PL159

GREASE GUN EXTENSION IN LINE SWIVEL JOINT

Product Code	Description	Threads
PL159	Grease Gun Extension Inline Swivel	1/8" BSPT Male x 1/8" Female

- Grease Gun Extension Swivel
- 1/8" BSPT Male x 1/8" BSPT Female
- 3,500 psi / 240 Bar
- All steel construction
- For hand operated grease guns only

PL161

GREASE GUN HOLDER SUITS HIGH VIBRATION LOCATIONS

Product Code	Description	To Suit
PL161	Heavy Duty Manual Grease Gun Holder	Suits 400 and 450 gram capacity guns

- Heavy Duty Grease Gun Holder for high vibration environment
- Works with both 400 gm capacity Grease Guns and 450 gram capacity Grease Guns
- All Steel construction with a 4 bolt design for easy & secure mounting

PL162

LED LIGHT ATTACHMENT FOR GREASE GUNS

Product Code	Description	Includes
PL162	LED Grease Gun Light	Batteries, Mounting Clip

- LED Grease Gun Light
- Complete with batteries
- Includes mounting clamp that fits on Grease Gun Steel extension as well as flex hoses

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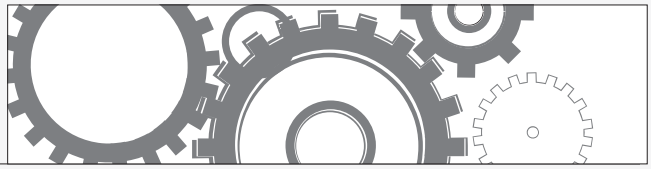
LUBE EQUIPMENT
GREASE GUN ACCESSORIES



PL163
BULK LOADER / FILLER NIPPLE (SPARE PART)

Product Code	Description	Note
PL163	Bulk Loader / Filler Nipple	Spare Part

- Bulk Loader / Filler Nipple (Spare)
- (Spare part for Cartridge Grease Gun)
- 0.9mm diameter
- 1/8" BSPT

PL164
AIR RELEASE VALVE (SPARE PART)

Product Code	Description	Note
PL164	Air Release Valve	Spare Part

- Air Release Valve (Spare)
- (Spare part for Cartridge Grease Gun)
- Vents air pockets in grease guns efficiently
- 1/8" BSPT

PL165
QUICKLOCK GREASE COUPLER 1/8 BSPT – 8000 PSI

Product Code	Description	To Suit
PL165	Quicklock Grease Coupler	1/8 BSPT – 8000 PSI

- Convenient Engagement & Dis-engagement
- Easy Release
- Hands-free operation
  Once engaged the coupler sits firm on the grease/zerk fitting & does not require to be held, as is required with regular couplers. This coupler will not move, allowing for hands-free operation.
- Universal
- The design permits usage on all profiles of Grease Fittings – SAE, DIN, BS, etc
- Robust Construction
- Threaded two-piece construction for easy repairs

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LUBE EQUIPMENT
GREASE GUN ACCESSORIES

PL170 - PL178
GREASE NIPPLES

- HeadprofileasperSAEJ534andDIN71412forMetricFittings
- Heat treated Grease End & spring on ball check types
- Zinc plating exceeds ASTM B117
- Super strong rolled threads
- Salt Spray Tested
- Tested for operating, opening & back pressure

Product Code	Decription	BSPT			NPT			UNF			SAE			Metric		
		Str.	45°	90°	Str.	45°	90°	STR	45°	90°	STR	45°	90°	Str.	45°	90°
PLGN1-1/8-28	**GREASE NIPPLE 1/8 BSPT**	1/8														
PLGN4-1/8-28	**GREASE NIPPLE 45º 1/8 BSPT**		1/8													
PLGN9-1/8-28	**GREASE NIPPLE 90º 1/8 BSPT**			1/8												
PLGN1-1/4-19	**GREASE NIPPLE 1/4 BSPT**	1/4														
PLGN1-1/4-28UNF	**GREASE NIPPLE 1/4 UNF**							1/4								
PLGN1-6X1	**GREASE NIPPLE 6X1 METRIC**													M6		
PLGN1-8X1	**GREASE NIPPLE 8X1 METRIC**													M8		
PLGN1-1/8-27	**GREASE NIPPLE 1/8 NPT**				1/8											
PLGN1-1/4-18	**GREASE NIPPLE 1/4 NPT**				1/4											
PLGN4-1/4-19	GREASE NIPPLE 45º 1/4 BSPT		1/4"-19													
PLGN9-1/4-19	GREASE NIPPLE 90º 1/4 BSPT			1/4"-19												
PLGN4-1/8-27	GREASE NIPPLE 45º 1/8 NPT					1/8"-27										
PLGN4-1/4-18	GREASE NIPPLE 45° 1/4 NPT					1/4"-18										
PLGN9-1/8-27	GREASE NIPPLE 90º 1/8 NPT						1/8"-27									
PLGN9-1/4-18	GREASE NIPPLE 90° 1/4 NPT						1/4"-18									
PLGN1-1/4-28SAE	GREASE NIPPLE 1/4 SAE										1/4"-28					
PLGN4-1/4-28SAE	GREASE NIPPLE 45º 1/4 SAE											1/4"-28				
PLGN9-1/4-28SAE	GREASE NIPPLE 90º 1/4 SAE												1/4"-28			
PLGN1-10X1	GREASE NIPPLE 10X1 METRIC													M10x1		
PLGN9-6X1	GREASE NIPPLE 90º 6X1 METRIC															M6x1
PLGN9-8X1	GREASE NIPPLE 90º 8X1 METRIC															M8x1
PLGN9-10X1	GREASE NIPPLE 90º 10X1 METRIC															M10x1
Stainless Steel		**BSPT**			**NPT**			**UNF**			**SAE**			**METRIC**		
		STR	**45°**	**90°**	**STR**	**45°**	**90°**	**STR**	**45°**	**90°**	**STR**	**45°**	**90°**	**STR**	**45°**	**90°**
PLGN1SS-1/8-28	GREASE NIPPLE S/S 1/8 BSPT	1/8														
PLGN9SS-1/8-28	GREASE NIPPLE S/S 90º 1/8 BSPT			1/8												
PLGN1SS-1/8-27	GREASE NIPPLE S/S 1/8 NPT				1/8"-27											
PLGN4SS-1/8-27	GREASE NIPPLE S/S 45º 1/8 NPT					1/8"-27										
PLGN9SS-1/8-27	GREASE NIPPLE S/S 90º 1/8 NPT						1/8"-27									
PLGN1SS-1/4-28SAE	GREASE NIPPLE S/S 1/4 SAE										1/4"-28					
PLGN4SS-1/4-28SAE	GREASE NIPPLE S/S 45º 1/4 SAE											1/4"-28				
PLGN9SS-1/4-28SAE	GREASE NIPPLE S/S 90º 1/4 SAE												1/4"-28			

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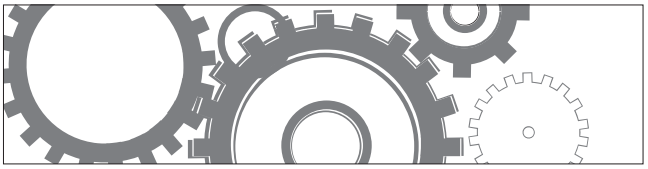
LUBE EQUIPMENT
GREASE FITTINGS



PL180 - PL185
GREASE NIPPLE ASSORTMENT - KITS

Product Code	Description	No. of Pieces
PL180	BSPT Assortment	50
PL182	Metric Assortment	80
PL184	SAE / NPT Assortment	80
PL185	St'less Steel SAE / NPT Assortment	40

BSPT Kits
(PL180)
1/8"-28 20 Straight
1/8"-28 5 45°
1/8"-28 5 90°
1/4"-19 10 Straight
1/4"-19 5 45°
1/4"-19 5 90°

M6x1 20 Straight
M6x1 10 90°
M8x1 15 Straight
M8x1 10 90°
M10x1 15 Straight
M10x1 10 90°

NPT 1/8"-27 10 90°
SAE 1/4"-28 15 Straight
SAE 1/4"-28 10 45°
SAE 1/4"-28 10 90°

St'less Steel SAE / NPT Kits
(PL185) Grade 303 s/steel
NPT 1/8"-27 10 Straight
NPT 1/8"-27 5 45°
NPT 1/8"-27 5 90°
SAE 1/4"-28 10 Straight
SAE 1/4"-28 5 45°
SAE 1/4"-28 5 90°

PL190 & PL191
GREASE NIPPLE EASY OUT TOOL

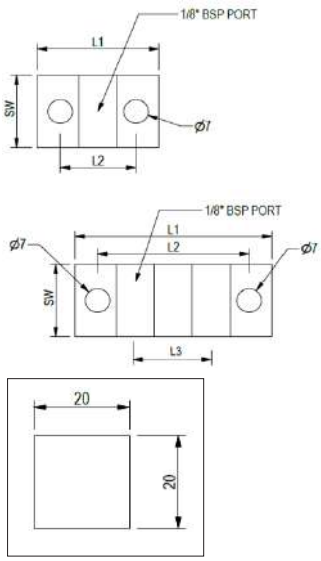
Metric Kits
(PL182)

SAE / NPT Kits
(PL184)
NPT 1/8"-27 25 Straight
NPT 1/8"-27 10 45°

Product Code	Description	Size
PL190	Grease Fitting Easy Out Tool 1/8"-27	Small
PL191	Grease Fitting Easy Out Tool 1/4"-28	Large

- PL190 - Small type hex size 5/16" & 3/8" (9mm)
- PL191 - Large type hex size 3/8" (9mm) & 7/16" (11mm)

PHB GREASE BLOCKS



ITEM	Description	G	Ports	L1	L2	L3	SW
PHB01	HEADER BLOCK 1-WAY G1/8 W/O FITTING	G1/8	1	32	32	-	20
PHB02	HEADER BLOCK 2-WAY G1/8 W/O FITTINGS	G1/8	2	52	40	20	20
PHB03	HEADER BLOCK 3-WAY G1/8 W/O FITTINGS	G1/8	3	74	62	21	20
PHB04	HEADER BLOCK 4-WAY G1/8 W/O FITTINGS	G1/8	4	96	84	21	20
PHB05	HEADER BLOCK 5-WAY G1/8 W/O FITTINGS	G1/8	5	118	106	21	20
PHB06	HEADER BLOCK 6-WAY G1/8 W/O FITTINGS	G1/8	6	140	128	21	20
PHB07	HEADER BLOCK 7-WAY G1/8 W/O FITTINGS	G1/8	7	162	150	21	20
PHB08	HEADER BLOCK 8-WAY G1/8 W/O FITTINGS	G1/8	8	184	172	21	20
PHB09	HEADER BLOCK 9-WAY G1/8 W/O FITTINGS	G1/8	9	206	194	21	20
PHB10	HEADER BLOCK 10-WAY G1/8 W/O FITTINGS	G1/8	10	228	216	21	20

- "Steel Zinc-Plated Grease Header Blocks – built for high-pressure performance and reliability.
  Key Feature: Equipped with 7mm OD holes for easy mounting and available in configurations from 1 up to 10 in/out 1/8"" BSPT ports.
  Benefits: Corrosion-resistant, compact, and engineered for demanding environments."

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PL192
GREASE FITTING UNBLOCKER

Product Code	Description	Note
PL192	Grease Fitting Unblocker	Ideal for Toolbox

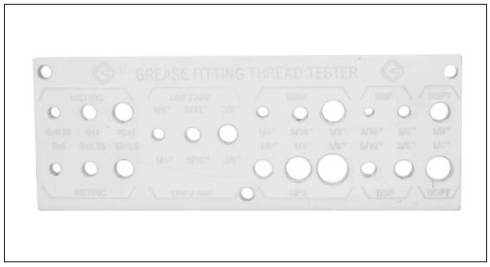
- Opens clogged grease fittings and loosens hardened grease joints
- Excellent for maintaining and protecting bearings, control arms, joints, king pins, etc.
- Tool has an all steel construction & is designed to be tapped with a hammer to force a light viscosity oil through the tool into the coupler & finally into the grease joint, breaking up and removing dirt and debris
- Built-In Hand Guard for added safety in use
- Flexible hose attachment reaches fittings in difficult areas
- Comes complete with grease coupler for connection onto the grease fitting and 2 spare seals for replacing the piston seals as they wear out

PL193
GREASE FITTING CAPS AVAILABLE IN 3 COLOURS

Product Code	Description	Pack Size
PL193R	Red Grease Fitting Cap	50
PL193Y	Yellow Grease Fitting Cap	50
PL193B	Black Grease Fitting Cap	50

- Plastic Caps for Grease fittings are an easy way to keep contaminants out.
- These additionally help in colour coding the greasing points based on frequency of greasing or type of grease
- Designed with an inbuilt collar, these are most convenient in use & fit directly onto the greasing end of the fitting
- Made from a special plastic, these adjust to minor variations in fitting head diameter , as well as variations in temperature & practically fit all standard fittings designed for use with jaw type couplers
- Available in Black , Yellow and Red as standard with other colours that can be custom manufactured
- Sold in packs of 50

PL194
GREASE FITTING THREAD TESTER



Product Code	Description	Note
PL194	Grease Fitting Thread Tester	Ideal for Toolbox

- Great tool box accessory to sort out mixed fittings
- Aluminium construction with mounting holes
- Dimensions: 75mm x 207 mm
- Checks the tabulated 21 popular thread sizes

NPT	1/8”	1/4”	3/8”	
Metric	M6 X 1	M6 X 0.75		
Metric	M8x1	M8x1.25		
Metric	M10x1	M10x1.5		
BSPT	1/8”	1/4”		
UNF/ANF	1/4”	5/16”	3/8”	
BSW	1/4”	5/16”	1/2”	3/8”
BSF	3/16”	1/4”	5/16”	

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LUBE EQUIPMENT
BULK GREASE EQUIPMENT

PL300
20 KG GREASE GUN LOADER PUMP

Product Code	Description	Dimensions
PL300	20 kg Grease Gun Loader Pump	Suits 310 mm Drum Covers

- Easy to use Grease filling solution to load bulk or combination grease guns from bulk grease pails
- Delivers 28 grams per stroke
- No mess or waste. Full economy in buying bulk grease
- Complete unit includes zinc plated pump with zinc die cast pump head and cast aluminium adjusting flange, drum cover follower plate & female loader fitting
- Brass piston rings mounted on zinc die cast piston for minimal wear
- Includes follower plate with rubber lining for use with tapered drums

RECOMMENDED USE
For Light & self Collapsing Grease up to and including NLGI 2

PL305
FOOT OPERATED GREASE PUMP - 10 kg

Product Code	Description	Stroke Capacity
PL305	10 kg Grease Kit	2 grams per stroke

- High Pressure Portable Grease Pump for quick effortless greasing in everyday lubrication such as greasing of excavators & other earth moving equipment, agricultural equipment, automotive etc.
- Hands free operation; pump operates using the Foot Lever, which greatly reduces effort & allows high pressure greasing with highest comfort
- Can be operated by hand when under low machinery
- Economical, pump is operated by a single person & uses low cost bulk grease
- Designed with all moving parts submerged in the same grease which needs to be pumped, thereby staying lubricated at all times
- Moving parts create wave action in grease, auto removing air pockets & eliminating the use of a Follower plate
- Pump delivers 2 gms of grease per stroke & develops 8,700 psi (600 bar)
- Supplied with 2 metres of 1/4" hose
- Works with NLGI 1, 2 & 3 Greases

PL310 & PL312
AIR OPERATED 50:1 RATIO GREASE PUMP (PUMP ONLY)
SUIT 180 KG & 20 KG DRUMS

Product Code	Description	To Suit
PL310	50:1 Ratio Air Assisted Grease Pump	Suits 180 kg Drums
PL312	50:1 Ratio Air Assisted Grease Pump	Suits 20 kg Drums

- Suitable for use with 180 kg and 20 kg drums (PUMP ONLY)
- Air Inlet 1/4" (Female), Pump Outlet 1/4" (Female) BSPT
- Working Pressure 2-10 Bar (30 - 150 psi)
- World-class Industrial High Pressure Grease pump with guaranteed performance & hassle free operation
- Pump dispenses Grease at pressures up to 50 times the Air inlet pressure
- Designed to work in tough conditions
- Ideal for use in Industry, workshop, farm, construction or as part of the Mobile Grease system
- All metal construction, fully CNC machined with hardened wear resistant moving parts
- Reciprocating piston operated 2.5" (63 mm) dia. Air Motor
- Fitted with strainer at suction tube inlet for clean grease to the bearing
- Flow - 1.1Kg per minute free flow (dependant on grease proporities & temperature)
- Maximum pressure at air inlet 10 Bar (150 psi)

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PL311

AIR OPERATED 50:1 GREASE RATIO PUMP (COMPLETE KIT)
SUITS 180 KG DRUMS

Product Code	Description	To Suit
PL311	50:1 Ratio Air Assisted Grease Pump	Suits 180 kg Drums

- Suitable for use with 180 kg drums
- Air Inlet 1/4" (Female), Pump Outlet 1/4" (Female) BSPT
- Working Pressure 2-10 bar (30 - 150 psi)
- World-class Industrial High Pressure Grease pump with guaranteed performance & hassle free operation
- Pump dispenses Grease at pressures up to 50 times the Air inlet pressure
- Designed to work in tough conditions
- Ideal for use in Industry, workshop, farm, construction or as part of the Mobile Grease system
- All metal construction, fully CNC machined with hardened wear resistant moving parts
- Reciprocating piston operated 2.5" (63 mm) dia. Air Motor
- Fitted with strainer at suction tube inlet for clean grease to the bearing
- Complete with 2 mtr of 1/4" of high pressure hose, Z Swivel, control valve, 24-1/2" drum cover & follower plate
- Delivers 1.1 kg per minute Free Flow - (Dependant on grease properties and temperature)
- Maximum air inlet pressure 10 bar (150 psi)

PL315

AIR OPERATED 50:1 GREASE RATIO PUMP
MOBILE 30 KG GREASE KIT

Product Code	Intended Use	Discharge Rate
PL315	Air Operated 30 kg Mobile Grease Kit	1.1 kgs per minute

- World-class Industrial High Pressure Grease pump with guaranteed performance & hassle free operation
- Pump dispenses grease at pressures up to 50 times the Air inlet pressure.
- Designed to work in tough conditions - ideal for use in Industry, workshop, farm, construction or as part of a Mobile Grease system
- All metal construction, fully CNC machined with hardened wear resistant moving parts
- Reciprocating piston operated 2.5" (63 mm) dia. Air Motor
- Fitted with strainer at suction tube inlet for clean grease to the bearing
- Supplied complete with built-in Steel Drum, wheels & pull handle, Drum Cover, rubber lined Follower Plate, 2 meters of high pressure 1/4" Grease Hose, Z swivel & professional Grease Control Valve
- Working pressure 2-10 bar (30-150 psi)
- Maximum air inlet pressure 10 bar (150 psi)

PL320 & PL321

FOLLOWER PLATES
SUIT 20 KG / 180 KG DRUMS

Product Code	Intended Use	Dimensions
PL320	20 kg Drum Follower Plate	288 mm OD, 29.5 mm Grommet
PL321	180 kg Drum Follower Plate	602 mm OD, 29.5 mm Grommet

- Rubber Lined Follower Plate

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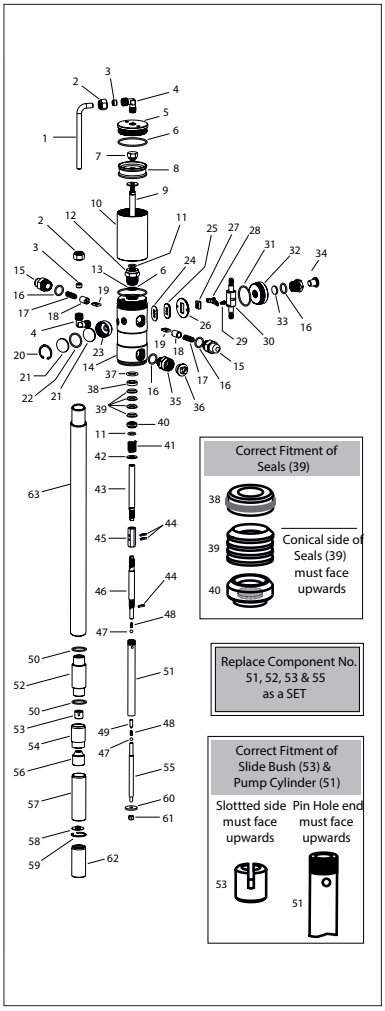
LUBE EQUIPMENT
BULK GREASE EQUIPMENT

PL322 & PL324
DRUM COVERS
SUIT 20 KG / 180 KG DRUMS

Product Code	Intended Use	Description
PL322	20 kg Drum Cover	Drum Cover Complete
PL324	180 kg Drum Cover	Drum Cover Complete

PL325 & PL326
REPAIR KITS *
AIR MOTOR AND PUMP CHAMBER KITS



Product Code	Intended Use	Drum Capacity
PL325	Air Motor Kit To Suit PL310, PL311, PL312 & Pl315 Pumps	Various Drums
PL326	Pump Chamber Kit To Suit PL310, PL311, PL312 & PL315 Pumps	Various Drums

KIT PART NO.	KIT DESCRIPTION	CONSTITUENT PART NO.	PART DESCRIPTION	REFERENCE NO. FROM PARTS DRAWING	QTY. PER KIT
PL325	DRIVE SECTION KIT	SR/B/RP	Sealing Ring	3	2
		BEND/90/RP	Bend	4	2
		ORG/BS141	O Ring	6	2
		ZPGR/RP	RUBBER PLUNGER	8	1
		ORG/BS614	O Ring	11	1
		ORG/BS617	O Ring	16	4
		ORG/BS121	O Ring	22	1
		SEL/R/RP	Paper Seal	24	1
		SET/RP	Seat	25	1
		SLD/NY/RP	Nylon Slider	27	1
		CLP/RP	Clip	28	2
		SCR/M4/RP	Self Tapping Screw	29	2
		ORG/BS129	O Ring	31	1
		ORG/BS614	O Ring	37	1
		GUD/SEL/RP	Slider Guide	38	1
		SEAL/RP	Seal	39	4
		SU/SEL/RP	Seal Support	40	1
PL326	PUMPING SECTION KIT	ROD/CNR/S/RP	CONNECTING ROD	43	1
		SSP/3.0/6/15.3	SLOTTED SPRING PIN	44	3
		SB/7-32	STEEL BALL (7/32")	47	2
		SPR/NR/RP-G	NON RETURN SPRING	48	1
		VLV/RP-G	VALVE	49	1
		ORG/BS812	O RING	50	2
		CYL/RP-G	PUMP CYLINDER	51	1
		CPL/TOP/RP-G	TOP COUPLER	52	1
		BSH/SLD/RP-G	SLIDE BUSH	53	1
		ROD/PST/RP-G	PISTON ROD	55	1
		BSH/RP-G	GUIDE BUSH	56	1
		WSR/PST/RP-G	PISTON WASHER	60	1
		NN/M6/RP-G	NYLOC NUT	61	1
			FILTER CAP	62	1

*** REFER TO THE INDIVIDUAL INSTALATION, OPERATION & MAINTENANCE MANUALS**

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PL330

GREASE CONTROL VALVE

Product Code	Contains	Inlet
PL330	Control Valve with 150mm bent extension	1/4" BSPT Female Inlet Thread

- Premium quality grease control valve for use with air operated grease pumps
- Provides continuous grease flow with trigger fully pressed
- Steel construction for durability & longevity
- Ergonomically designed pistol handle
- Comes complete with 6" (150 mm) steel extension & heavy duty coupler
- Available as valve only
- Suited to underground coal mining (all steel construction)
- 7,500 psi / 517 Bar
- Can be fitted with Z-Swivel (Refer PL340)

PL331

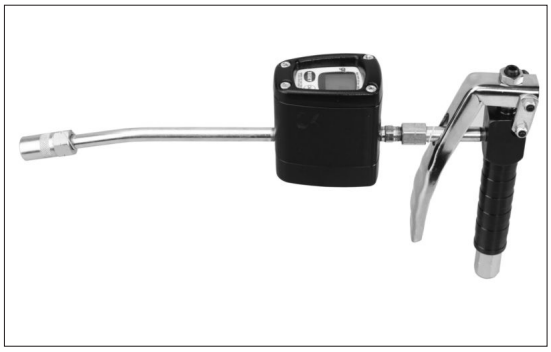
BOOSTER GREASE CONTROL VALVE

Product Code	Contains	Inlet
PL331	Control Valve with 150mm bent extension	1/4" BSPT Female Inlet Thread

- Heavy Duty Grease control valve with built-in pressure boost mechanism.
- Provides continuous flow with pistol handle fully pressed
- Pressure boost achieved through repeated actuation of the pistol handle. Boosts line pressure from 6,000 PSI (400 BAR) to 10,000 PSI (690 BAR); extremely useful to unblock frozen grease fittings
- Heavy Duty steel construction, provides durability & longevity
- Ergonomically designed pistol handle
- Available as valve only
- Comes complete with 6" (150 mm) steel extension & coupler
- Suited to underground coal mining (all steel construction)
- Can be fitted with Z-Swivel (Refer PL340)

PL332

GREASE CONTROL VALVE INTEGRATED DIGITAL METER



Product Code	Description	Inlet
PL332	Grease Control Valve - Electronic	1/4" BSPT Female Inlet Thread

- Premium quality Grease Control valve, for use with air operated grease pumps
- Built-In High Accuracy Digital Grease Meter for dispensing exact amount of grease
- Ability to measure amount of grease dispensed prevents both over & under lubrication & is invaluable in saving bearing failures
- Provides continuous grease flow, with trigger fully pressed
- Steel construction, provides durability & longevity. Meter uses oval gear technology
- Ergonomically designed pistol handle
- Comes complete with 6" (150mm) steel extension & heavy duty coupler
- Max pressure 8,000 psi / 550 Bar
- Unit of measure = Kgs
- Batteries included

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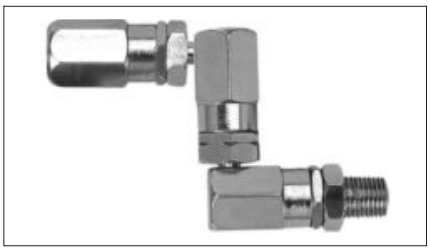
LUBE EQUIPMENT
GREASE ACCESSORIES

PL333
IN-LINE DIGITAL GREASE METER

CONTROL VALVE TYPE	Continuous Flow	
INLET/OUTLET	1/8" NPT Female	
METER TYPE	Digital Oval Gear	
GREASE FLOW	0.2-5.5 LB/MIN	01. to 2.5KG
MAX. WORKING PRESSURE	7500 PSI	517 Bar
WORKING TEMPERATURE RANGE	-10°C TO 60°C	14°F to 140°F
UNIT OF MEASUREMENT	KG / GMS / OZ / LBS	
RESOLUTION	0.10 OZ	0.10 GMS
ACCURACY	±3%	
RESETTABLE BATCH TOTAL	9,999	
CUMULATIVE TOTAL	999999	
BATTERY TYPE	2 x 1,5V Size N	

PL340
GREASE 'Z' SWIVEL



Product Code	Description	Threads
PL340	6,000 psi WP 'Z' Swivel	1/4" BSPT Male / Female Threads

- Installed between the delivery hose & grease control valve, swivels permit easy handling of control valves and prevent damage to hose caused by twisting
- Swivels have a heavy duty steel construction with ball bearings for smooth operation and free unrestricted movement
- The swiveling joints are hardened for durability & wear resistance

PL341
HYDRAULIC COUPLER
3 JAW COUPLER FOR GREASE CONTROL VALVES

Product Code	Description	Pressure Rating
PL341	3 Jaw Coupler with Ball Check	7,500 psi / 517 Bar

- 1/8" BSPT (female)
- Recommended for use with grease control valves
- Hardened coupler body & all internal parts withstand high dynamic pressures without deformation
- Fully hardened reversible spring steel jaws for extended service life
- Hexagonal nut for easy tightening
- 100% pressure tested

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PL400

LEVER ACTION DRUM PUMP TO FIT 50 - 205 LITRE DRUMS

Product Code	Description	Capacity
PL400	Lever Action Drum Pump with NBR seals	300 ml per stroke

- Most popular pump design, engineered for professional use
- Powder coated steel pump body with ribbed section aluminum die cast pump head for maximum strength
- Built-in 1.1/2" & 2" bung for use on drums with either openings
- Plated steel lever handle with rubber grip for convenience
- Wear resistant Brass piston rings fitted onto zinc die cast piston
- Comes complete with curved metal spout & telescopic suction tube for use on 50 litre – 205 litre drums
- Suited to oil based fluids, heating oils, motor oils, heavy and light oils, kerosene and diesel
- Not suited for water based fluids, solvents, acids, anti-freeze, or petrol

PL401

CLEAR TUBE LEVER ACTION DRUM PUMP TO FIT 50 - 205 LITRE DRUMS

Product Code	Description	Capacity
PL401	Clear Tube Lever Action Drum Pump	300 ml per stroke

- Professional Barrel pump for pumping all types of oils
- Tough & Impact Resistant Polycarbonate tube with die cast aluminum adaptors
- Ribbed section Aluminum Die Cast pump head for maximum strength
- Nitrile Rubber Piston rings for smooth operation
- Built-in 1-1/2" & 2" bung for use on drums with either opening
- Delivers 300 ml (10 oz.) per stroke
- Comes complete with curved metal spout & telescopic suction tube for use on 50 litre – 205 litre drums
- Suited to oil based fluids, heating oils, motor oils, heavy and light oils, kerosene and diesel
- Not suited for water based fluids, solvents, acids, anti-freeze, or petrol
- Transparent barrel facilitates monitoring of lubricant cleanliness

PL402

PROFESSIONAL ROTARY DRUM PUMP TO FIT 50 - 205 LITRE DRUMS

Product Code	Description	Capacity
PL402	Professional Rotary Drum Pump	250 ml per turn

- Most popularly used pump worldwide.
- The Pirtek version of the Rotary Pump is superior to any other with features such as Dual Directional Operation which allows the pump to both empty, as well as refill containers
- Extremely Heavy Duty & rugged weighing 6.6 kgs (14.5 lbs)
- Pump body is sturdy cast iron with precisely machined cast iron vanes for better draw & smoother delivery
- Pump seals are made from Viton
- Fits 50 litre to 205 litre drums
- 1" threaded inlet at base of pump housing
- Comes complete with suction tube, 2" cast iron bung nut & discharge spout
- NOTE: Add 30 ml of the fluid to be pumped into the pump outlet to assist priming when transferring low viscosity fluids such as kerosene or diesel

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LUBE EQUIPMENT
MANUAL OIL PUMPS AND GUNS

PL404
EZEE FLOW DOWNSTROKE PUMP FOR 20-25 LITRE DRUMS

Product Code	Description	Capacity
PL404	Ezee Flow Downstroke Pump	18 strokes per litre (56 ml per stoke)

- Versatile pump, engineered for trouble free use on 5 gallon / 20-25 litre containers with plastic pull out (Rieke® spout) or 2" external threads
- Downstroke operation with fluid discharge when pushing the handle down. Enhanced ease of use & reduced fatigue especially when pumping heavy fluids. It additionally reduces pull out stress on the pump bung
- Heavy duty steel suction tube, with the pump head made from high density polyethylene. Pump head incorporates nozzle holder & option to drain back over flown fluid into the container
- Interchangeable bung adaptors. The standard bung adaptors can be slid over the pump, when using on containers with external threading. Alternatively, when using the pump on pails with plastic pull out Rieke® spout, the other bung adaptor for Rieke® spout can be used. Choice of 7 adaptors makes the pump good for use with most metal & plastic containers
- Pump length can be extended by over 100 mm for use on extra deep containers, by conveniently sliding the suction tube extender
- Supplied complete with rigid steel discharge spout & 1200 mm long spring reinforced non kinking discharge hose fitted with non drip spout

PL410, PL411 & PL412
MANUAL OIL SUCTION GUNS STEEL OR POLYCARBONATE BARREL

Product Code	Description	Capacity
PL410	Manual Oil Suction Gun Black Barrel	500 ml
PL411	Manual Oil Suction Gun Clear Barrel	500 ml
PL412	Manual Transfer Gun - 2 vinyl tubes	350 ml

- Rugged transfer guns designed for use with gear oils to get them both into and out of gear boxes, transfer cases and differentials
- Deluxe lip seal provides maximum suction
- Steel Barrel in premium powder coated finish (**PL410 & PL412**)
- Clear polycarbonate barrel for oil condition monitoring (**PL411**)
- Aluminium Die cast Head
- Fully serviceable
- Needs no priming
- Suitable for use with non corrosive liquids

SUCTION GUNS
- Supplied with 300 mm of clear vinyl suction tube

TRANSFER GUN
- Supplied with 1200 mm of clear vinyl tube for each valve

PL414
MANUAL OIL LEVER GUN

Product Code	Description	Capacity
PL414	Manual Oil Lever Gun	500 ml - 10,000 psi

- Heavy Duty Oil Gun handles flowable greases & light oils without leakage
- High Quality Steel Barrel with fully machined seam for leak proof operation
- Grease Gun Follower designed for use with both Oils & Grease & works with 14 oz. (400 gm) Grease cartridge or 500 cc Bulk without the need to flip the follower
- Develops up to 10,000 psi / 690 bar
- Variable stroke feature built in for use in confined areas
- High Tolerance Aluminum Die Cast Gun Head
- Complete with a 150 mm steel extension & professional 4 jaw coupler with ball check

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PL417

PREMIUM OIL SPIGOT/DISPENSER

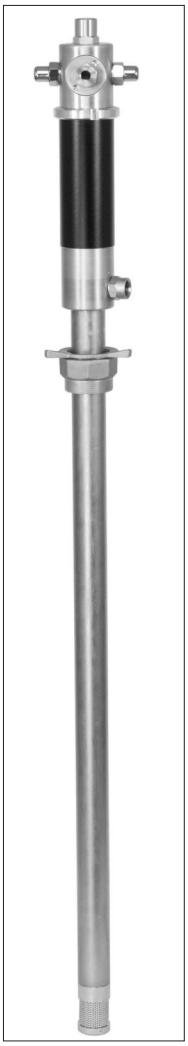
Product Code	Description	Thread
PL417	Oil Spigot/Dispenser for Air Operated Oil Pumps	1/2" BSP Female

- Professional quality Oil Spigot in premium chrome plated finish
- Used to construct oil bars or direct with air operated oil pumps as a dispenser
- Spring loaded dispensing mechanism CNC machined for non-drip operation
- Nitrile Seals
- Handles up to 800 psi (55 bar)

PL430 - PL435

AIR OPERATED OIL PUMPS

1:1 3:1 5:1 RATIOS



Product Code	Ratio	Description	Flow Capacity litres / min
PL430	1:1	Air Operated Oil Pump Stub Version with Bung	40
PL431	1:1	Air Operated Oil Pump complete to suit 205 litre drums	40
PL432	3:1	Air Operated Oil Pump Stub Version with Bung	14
PL433	3:1	Air Operated Oil Pump complete to suit 205 litre drums	14
PL434	5:1	Air Operated Oil Pump Stub Version with Bung	18
PL435	5:1	Air Operated Oil Pump complete to suit 205 litre drums	18

NOTE: All pumps have 1/4: BSP Female air inlet, 1/2" BSP Female oil outlet, 1" BSP Female Suction Tube thread

1:1 Ratio Pumps
- Transfer pump, used to quickly transfer oils from large drums to smaller containers. These have a Double Acting operation with discharge up to 40 lpm (8.80 imp. gpm)
- Ideal for use with low to medium viscosity (up to SAE 80 Oils) for transferring over short distances (5 metres)
- Air Consumption: 270 lpm (59.4 imp. gpm), max air pressure 150 psi / 10 Bar

3:1 Ratio Pumps
- Amongst the most popular general purpose air operated pumps worldwide
- Pumps are single acting with discharge up to 14 lpm (3.08 imp. gpm)
- Ideal for use with medium to high viscosity oils (up to SAE 130) for transferring over distances (up to 30 metres), mostly used with Trolley mounted kits
- Air Consumption: 230 lpm (50.6 imp. gpm), max air pressure 150 psi / 10 Bar

5:1 Ratio Pumps
- High Pressure air operated pumps for dispensing oil at 5 times the pressure as the air inlet
- Pumps are double acting with discharge up to 18 lpm (3.96 imp. gpm)
- Ideal for use with high viscosity oils (up to SAE 240) for transferring over short & long distances (up to 50 metres), mostly used with Trolley mounted kits both with & without Hose Reels, as well as with fixed systems for centralized distribution
- Air Consumption: 250 lpm (55.0 imp. gpm), max air pressure 150 psi / 10 Bar

NOTE: Wall Mounting brackets and IBC mounting kits available

LUBE EQUIPMENT
OIL ACCESSORIES

PL440
DIE CAST DRUM BUNG INTEGRATED WING NUT

Product Code	Description	Size
PL440	Die Cast Drum Bung	42 mm Inside Diameter

- Aluminum Die cast 2" Drum Bungs for use primarily with Air Operated Pumps
- Bungs can be adjusted anywhere on the suction tube & tightened using the Wing Nut
- Zinc Die cast Locking Nut inside holds the suction tube
- 42 mm Inside Diameter
- Standard equipment on all Pirtek Air Operated Oil Pumps

PL444 - PL449
SPARE PARTS FOR PIRTEK LUBE PUMPS

REFER TO THE INDIVIDUAL INSTALATION, OPERATION & MAINTENANCE MANUALS

Product Code	Description
PL444	Spares to Suit PL430 / PL431 1:1 Ratio Oil Pump - Air Motor Kit
PL445	Spares to Suit PL430 / PL431 1:1 Ratio Oil Pump - Non Return Valve Kit
PL446	Spares to Suit PL430 / PL431 1:1 Ratio Oil Pump - Seal Kit
PL447	Spares to Suit PL430 / PL431 1:1 Ratio Oil Pump - Piston Kit
PL448	Spares to Suit PL432 / PL433 3:1 Ratio Oil Pump - Air Motor Kit
PL449	Spares to Suit PL434 / PL435 5:1 Ratio Oil Pump - Air Motor Kit

Refer to instruction manual and/or the Pirtek Web catalogue for list of spare parts supplied.

PL450
MECHANICAL OIL METER

Product Code	Description	Measurement Range
PL450	Mechanical Oil Meter	1 - 30 litres / minute

- High pressure positive displacement meter suitable for in-line and end of line applications
- Oval gear mechanism for optimum accuracy
- High reliability Mechanical Display
- Robust Aluminum Die Cast construction with protective shroud on meter
- Accuracy ± 1%
- Repeatability ± 0.2%
- Measures Litres with Reset capability
- RECOMMENDED USE
  Oils with viscosity up to 2,000 cSt, Diesel, Biodiesel
- DO NOT USE WITH
  Water based media, Petrol etc.
- Max pressure 1,000 psi / 70 Bar
- 1/2" BSP Female
- Bottom entry, top outlet
- Temp. Range: -10°C to +60°C

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PL451

ELECTRONIC IN-LINE OIL METER

Product Code	Description	Features
PL451	Electronic Digital in-Line Meter	1-30 litres /min at up to 70 bar WP

- High pressure positive displacement meter suitable for in-line and end of line applications
- Oval gear mechanism for optimum accuracy
- Electronic Display using two 1.5V batteries
- Robust Aluminium Die Cast construction with protective shroud
- Measures in Litres, Quarts, Pints & Gallons
- Accuracy ± 0.5%
- Repeatability ± 0.3%
- Easy user re-calibration
- Max. Working Pressure 70 bar (1,000 psi) Burst Pressure 140 bar
- Pressure Loss 0.7 bar (10 psi)
- Max. Resettable Batch Total 99,999 units
- Non-Resettable Totalisator 999,999 Units
- Least Count Resolution 0.001 Units
- Water Resistance IP55
- Temp. Range: -10°C to +60°C
- 1/2" BSPT inlet & outlet threads
- Bottom entry, top outlet
- Batteries included

RECOMMENDED USE
- Oils with viscosity up to 5000 cSt, Diesel, Biodiesel

DO NOT USE WITH
- Water based media, Petrol etc.
- Not approved for metering commercial sales of media

PL460

OIL CONTROL GUN WITH SWIVEL C/W NON DRIP NOZZLE

Product Code	Description	Features
PL460	Oil Control Gun with Swivel / Nozzle	Up to 70 litres /min and 60 bar WP

- For use with Air Operated Oil Pumps up to 6:1 Pressure ratio
- Gun dispenses by simple press of the trigger
- Built-in safety clip can be slid over the trigger for continuous un-attended dispensing; or alternatively under the trigger to lock & prevent accidental dispensing
- Slim construction of the steel outlet spout allows the gun to be used to fill small openings
- Built-in swivel threaded at inlet for easy maneuverability
- Standard configuration includes steel outlet extension and non drip nozzle
- Temp. Range: -10°C to +60°C
- 1/2" Female BSPT Swivel Inlet
- 1/2" OD Steel Extension

RECOMMENDED USE
- Oil, Gear Lube, ATF

DO NOT USE WITH
- Water based media, Petrol etc.

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LUBE EQUIPMENT
OIL ACCESSORIES

PL461
MECHANICAL OIL CONTROL GUN WITH SWIVEL c/w NON DRIP NOZZLE

Product Code	Description	Features
PL461	Mech. Oil Control Gun with Swivel / Nozzle	1 to 30 litres /min and 60 bar WP

- High accuracy light weight gun for controlling fluid deliveries in most demanding applications
- Oval gear mechanism for optimum accuracy
- Accuracy ± 1%
- Repeatability ± 0.2%
- Temp. Range: -10°C to +60°C
- Max. Resettable Batch Total 999.9 units
- Non-Resettable Totalisator 999,999 Units
- Least Count Resolution 0.001 Units
- Water Resistance IP55
- High Reliability Mechanical display
- Aluminum die cast meter body with protective shroud
- Gun with Impact & Weather resistant nylon construction
- Built-in safety clip can be slid over the trigger for continuous un-attended dispensing; or alternatively under the trigger to lock & prevent accidental dispensing
- Built In swivel at inlet for easy maneuverability 1/2" BSPT female
- Supplied complete with rigid steel tube outlet / extension and fitted with a manual non drip nozzle
  Note: Optional flexible hose extension outlet available Code No. **PL467**
- RECOMMENDED USE
- Oils with viscosity up to 2,000 cSt, Diesel, Biodiesel

DO NOT USE WITH
- Water based media, Petrol etc.

PL462
ELECTRONIC OIL CONTROL GUN WITH SWIVEL C/W NON DRIP NOZZLE

Product Code	Description	Features
PL462	Electronic Oil Control Gun with Swivel / Nozzle	1 to 30 litres /min and 60 bar WP

- High accuracy light weight gun for controlling fluid deliveries in most demanding applications
- Oval gear mechanism for optimum accuracy
- Accuracy ± 0.5%
- Repeatability ± 0.3%
- Temp. Range: -10°C to +60°C
- Max. Resettable Batch Total 99,999 units
- Non-Resettable Totalisator 999,999 Units
- Least Count Resolution 0.1 Units
- Water Resistance IP55
- Electronic Display using two 1.5V batteries
- Aluminum Die cast meter body with protective shroud
- Gun with Impact & Weather resistant nylon construction
- Built-in safety cum continuous Flow lever can be slid over the trigger for continuous unattended dispensing; or alternatively under the trigger to lock & prevent accidental dispensing
- Built In swivel at inlet for easy maneuverability 1/2" BSPT female
- Measures in Litres, Quarts, Pints & Gallons
- Easy user re calibration
- Supplied complete with rigid steel tube outlet / extension and fitted with manual non drip nozzle
- Note: Optional flexible hose extension outlet available Code No. PL467 Batteries included

RECOMMENDED USE
- Oils with viscosity up to 5,000 cSt, Diesel, Biodiesel

DO NOT USE WITH
- Water based media, Petrol etc
  - Batteries include

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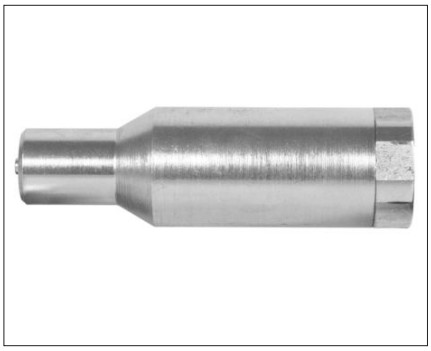
PL465
OIL METER SWIVEL

Product Code	Description	Threads
PL465	Oil Meter Swivel	1/2" BSPT Male - Female

- Swivel Adaptor for Oil Meters / Hose End Guns
- Large ½" (13 mm) inner dia. for least resistance to flow
- Steel construction with bright zinc plated finish
- Threaded ½" BSPT (M) x ½" BSPT (F)
- 103 bar(1,500 psi) rating

PL466
AUTOMATIC NON DRIP NOZZLE



Product Code	Description	Threads
PL466	Automatic Non Drip Nozzle	1/4" BSPT Female

- Commoly used with metered oil control valves / hose end guns
- Used either with steel extensions or hoses at discharge end to cut off media supply, once filling is complete
- These have a steel construction, using NBR seals
- Automatic Non Drip Nozzle, designed with multiple check valves to achieve absolute non drip.
- The nozzle opens automatically under fluid pressure; and closes automatically with the release of pressure.
- The discharge end has a narrow section allowing the nozzle to dispense into small openings.
- Designed to minimize pressure loss
- Threaded ¼" BSPT Female

PL467
200 MM FLEXIBLE HOSE EXTENSION

Product Code	Intended Use	Threads
PL467	200 mm Flexible Hose Extension	1/2" BSPT Male - 1/4" BSPT Male

- Flexible Oil Hose Extension for use with Oil Control Guns
- Max. Working Pressure 2,320 psi (160 bar)
- Overall Length 8" (200 mm)
- Hose Inner Dia. 1/2" (12. 7 mm)
- Fittings:1/2" BSPT (M) x 1/4" BSPT (M)

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LUBE EQUIPMENT
OIL ACCESSORIES

PL470
ELECTRIC OIL PUMP

Product Code	Description	Flow Capacity
PL470	Electric Oil Pump	Up to 11 litres / min and 4.5 bar

- Heavy Duty Oil pump designed specifically to transfer bulk oils, hydraulic fluid, antifreeze or antifreeze mixes
- Non corroding Aluminium Die cast pump body
- A high horsepower to flow ratio assures adequate power to pump viscous fluids at low temperatures
- Self priming, positive displacement design
- Pump has an internal bypass valve to bypass flow, if the discharge pressure exceeds the bypass valve setting
- Built-In 2” Bung Adaptor for mounting on drums/ tanks
- Air Cooled Motor with Thermal Protection
- Can be used to transfer Used oil with a screen fitted onto the Suction
- Flow: Up to 6.5 GPM (25 lpm)
- Motor: Heavy Duty 1/2 HP 220V AC, 50 Hz.
- Amp: 6 Amp
- RPM: 2800
- Construction - pump housing: Aluminum Die Cast
- Mechanism: Gear Pump
- Gear Material: Sintered Powder Metal
- Internal bypass valve: Yes
- Suction Tube: Supplied to suit 50 to 205 litre drums
- Delivery hose: 3/4” ID x 2.4 m long
- Bung Adaptor: 2” Threaded BSPT
- Inlet: 1” NPT
- Outlet: 3/4” NPT
- Dispensing Nozzle: Ball Valve
- Power Cable: 760mm (30”)
- Air Cooled: Yes
- Max. Viscosity of Oil: SAE 90
- Max. Working Pressure: 65 psi (4.5 bar)
- Thermal Protection: Yes

RECOMMENDED USE

- Oils, Synthetic Oils, Antifreeze, Used Oil, Hydraulic Fluids, Cutting Oils, Oil based Herbicides, Non Flammable Oil Based Solvents, Liquid Soap etc.

PL480 & PL481
METAL OIL CANS
SUPPLIED WITH BOTH RIGID AND FLEXIBLE SPOUTS

Product Code	Intended Use	Oil Capacity
PL480	Lever Type with Brass Pump	300 ml
PL481	Lever Type with Brass Pump	500 ml

- Spout Length 125 mm (Rigid) or 150 mm (Flexible)
- All steel construction, with the body seamless drawn from tin coated sheet in premium powder coated finish
- Brass pump has 2 ball valves for large volume delivery per stroke.
- The suction valve at the bottom of pump is without spring, which prevents malfunctioning because of sticking valve due to resinous oil

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PL482

PLASTIC BODY OIL CAN

Product Code	Description	Capacity
PL482	Plastic Body Oil Can	215 ml

- Unbreakable & rust resistant Plastic body Oil Cans
- Graduations marked on the bottle in both ml & oz.
- Oil discharge is through the 'squeeze action' of the Oil can bottle.
- Comes complete with telescopic steel tube with brass nut & non drip tip
- 150 mm spout length

PL484 & PL485

PLASTIC FUNNELS
ANTI-SPLASH & SPILL PROOF

Product Code	Description	Capacity	Major Diameter	Spout Length
PL484	Plastic Funnel	1.7 litre	205 mm	170 mm
PL485	Plastic Funnel with Drum Adaptor	3 litre	240 mm	245 mm

- Heavy Duty Polypropylene construction
- Designed with special contours in the funnel body for easy handling
- Anti-splash and spill proof, with rim of the funnel curved in
- Complete with Wire Mesh Screen Dust Cover & flexible spout
- PL485 with drum Bung Attachment allows the funnel to be mounted direct onto drums with 2" threaded opening
- Manufactured in translucent white to give a clear view of media

PL487, PL488 & PL489

PLASTIC MEASURES WITH SPOUTS

Product Code	Description	Capacity
PL487	Plastic Measure with Lid and Spout	1 litre
PL488	Plastic Measure with Lid and Spout	2 litre
PL489	Plastic Measure with Lid and Spout	5 litre

- Manufactured in translucent white to give a clear view of media
- Plastic Measures have a translucent High Density Polyethylene construction & are used for transferring metered quantity of fluids
- They are marked in both litres and quarts
- Come complete with a Polyethylene flexible spout with cap and polypropylene lid
- Note: Measures are not to be used as the basis of commercial transactions

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LUBE/FUEL EQUIPMENT

OIL ACCESSORIES - WASTE OIL COLLECTION

PL490

WASTE OIL DRAIN

Product Code	Description	Bowl Capacity	Collection Capacity
PL490	Waste Oil Drain Collector	10 litres	55 litres

- Tank Capacity : 68 Litre
- Bowl inner Diameter : 355 mm
- Length of draining Hose : 2 metres
- Maximum Height : 1828 mm
- Minimum Height : 1143 mm
- Recommended Draining Pressure : 0.5 bar
- Oil Drain with wheel mounted tank for gravity draining of motor, engine, gearbox & differential oils, transmission & power steering fluids etc. from all types of motor vehicles placed on auto lift or a pit
- Centrally Mounted 10 litres capacity bowl is height adjustable & can be optimally positioned allowing oil draining as well as other maintenance operations
- Durable all-steel design and reinforced castors; the unit provides a safe & affordable option for draining, transferring & evacuating used oil
- Designed for excellent mobility, easy bowl positioning & simple to use pressurized evacuation
- Comes complete with a 355mm diameter telescopic bowl that can be adjusted from 1143 mm to 1828 mm
- 68 litre tank includes a preset air regulator that allows the use of standard compressed air up to 10 bar
- Tank includes a safety valve and a reinforced dispensing hose that doubles as a sight gauge to prevent overfilling
- Not for use with fuels and corrosive media

PL500

INDUSTRIAL ROTARY FUEL TRANSFER PUMP

Product Code	Description	Flow Rate	Media
PL500	Industrial Rotary Fuel Transfer Pump	38 LPM	Most Fuels & Solvents

- FM Approved Pump for use with Class 1 & Class 11 flammable & combustible liquids
- Solid Cast Iron construction, with Sintered powdered 3 vane rotor c/w 3 Graphite vanes
- Flow 38 LPM, Self Priming
- Delivers media with a Head Lift of 6m (20 ft)
- Telescopic Suction Tube with strainer to use with 50 -205 L Drums c/w 2” bung
- Outlet : 2.4 m x 3/4” Antistatic hose, vaccum breaker, Non sparking aluminium Nozzle
- Nozzle holder
- Recommended use: Petroleum based fluids, Petrol, Diesel, Biodiesel, Ethanol blend (upto 15%), Kerosene, Naphtha, Alcohols, & other solvents compatible with the pump components • Ideal for Barrels, Drums & tanks for quickly refueling diesel powered vehicles & Equipment • Do Not use with water based media

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PL503

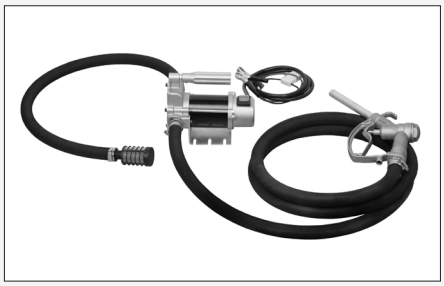
HIGH FLOW 3:1 ROTARY BARREL FUEL PUMP

Product Code	Description	Flow Rate	Media
PL503	Industrial Rotary Fuel Transfer Pump	Up to 500ml / rotation	Most Fuels & Solvents

- Flow: Dispenses 205 Litres in 3 Minutes
- Die cast Aluminium construction with sintered gear driven die cast zinc rotor & vanes
- Geared Rotary barrel pump with 3 times discharge per rotation for every complete handle turn, the rotor turns 3 times
- Aluminium die cast handle with security locking latch
- Complete with 3 piece Suction tube 50 - 205 L drums c/w Bung
- Discharge hose 1.8M length
- Recommended use : Petrol, Diesel, Kerosene & lubicating Oils up to SAE30
- DO NOT use with corrosive liquids, Solvents, Acids, Alkalis etc.
- NOTE:- Fuels Containing Ethanol & Biodiesel will cause more frequent replacement of rubber parts
- NEVER operate the pump near fire or source of spark. Some media may be explosive & dangerous to pump

PL510 & PL511

12V & 24V DC ELECTRIC DIESEL PUMPS



Product Code	Description	Flow Rate	Media
PL510	12VDC Electric Diesel Fuel Pump	46 litres per Minute	Diesel Fuel
PL511	24VDC Electric Diesel Fuel Pump	46 Litres per Minute	Diesel Fuel

- 12V DC or 24V DC Electric Diesel Fuel Pump
- Self Priming Vane Pump
- Portable Diesel transfer pump for every day use
- Light weight non corroding Aluminium Die cast contruction
- Motor 1/4 HP
- Amp Draw from battery : 16 Amp & 9 Amp respectively
- Flow Rate 46 LPM
- Duty Cycle: 30min On / 30 Min OFF
- Max Working pressure 4.5 bar (65 PSI)
- Supplied with 4M hose to cut for both suction and Delivery
  Hardware included : 3 hose Barbs (3/4”), & 4 Hose clamps
  Battery cable 2m length with fuse and clamps
- Aluminium Nozzle for delivery of fluid
- Recommended use : Diesel & Kerosene
- DO NOT Use with fluids with a Flash Point below 38°C such as Petrol & Alcohol :- Sparking could result in explosion and fatal injury

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FUEL EQUIPMENT
FUEL PUMPS

PL515
ELECTRIC FUEL AND OIL PUMP 230V AC

Product Code	Description	Flow Rate	Media
PL515	Electric Fuel & Oil Pump 230V AC	38 litres per minute	Most Fuels & Solvents

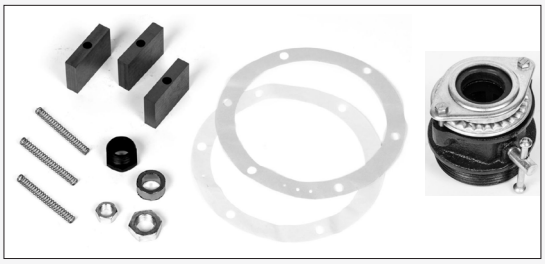
- Motor Double Insulated, safe to use with Water Emulsions
- Manufactured from chemically inert materials : POM Polypropylene, Stainless Steel, Nitrile Rubber, Viton & PTFE
- Working temperature range -10deg C to + 40deg C
- Flow rate : 40 LPM (measured at outlet)
- Motor 0.43 HP Centrifugal AC motor
- Internal by-pass valve : No
- Duty Cycle : Continuous Cycle
- Maximum Viscosity 114 cSt
- Built in anti-siphoning system ensures that the media does not flow out by siphon action in case of accidental damage to delivery hose or dispensing nozzle
- Built in bung adaptor to fit directly onto drum with 2” threaded opening
- Telescopic Style Suction 2pc tube to suit different size drums (50 -250 Litres)
- Discharge hose 3/4” x 3 mtr long
- Dispensing nozzle 3/4” polypropylene c/w 3/4” hose barb
- Power cord : 2 mtr long
- Recommended Use : Diesel, Kerosene, Mineral & Synthetic Oils, Antifreeze, Water & Emulsions
- DO NOT Use with fluids with a flash point below 38deg C such as Petrol & Alcohol :- Sparking could result in an explosion causing fatal injury

PL517
ELECTRIC FUEL PUMP EXPLOSION PROOF 12V DC

Product Code	Description	Flow Rate	Media
PL517	Electric Fuel Pump Explosion Proof 12V DC	Up to 57 litres per minute	Most Fuels & Solvents

- Heavy Duty Industrial Grade High Flow Fuel Pump
- cUL, ATEX & IECEx listed motor
- Aluminium die cast construction, Geared pump design using sintered metal gears. Makes the pump tolerant to contaminants in fuels as well as tremendous suction and minimal noise
- Duty Cycle: 30 minutes ON / 30 minutes OFF
- Flow Rate: up to 57 LPM
- Explosion proof motor: 1/7 HP 12V DC
- Current Draw: 12 AMP
- Suction Pipe: steel
- Hose: 1” x 3.6 mtr antistatic hose
- Tank adaptor: 2” threaded spin collar for easy installation
- Inlet: 1” NPT
- Outlet: 3/4” NPT
- Wire mesh strainer fitted into body of pump for easy cleaning
- Dispensing nozzle: 3/4” manual with swivel
- Battery cable: 4.5 mtr
- Recommended use: Petrol, Diesel, E15 fuel, Kerosene, Bio-Diesel (B20)

PL520 & PL521
SPARES FOR FUEL PUMP PL500



Product Code	Description	Includes	Also
PL520	Spares for Fuel Pump PL500	Gasket, Vanes, Springs	Complete Set
PL521	Spares for Fuel Pump PL500	Bung nut	c/w Flame Arrestor

Kit Includes:
- Pump head gasket
- Graphite Vanes : (3)
- Vane Springs : (3)
- Shaft nut , packing & packing nut

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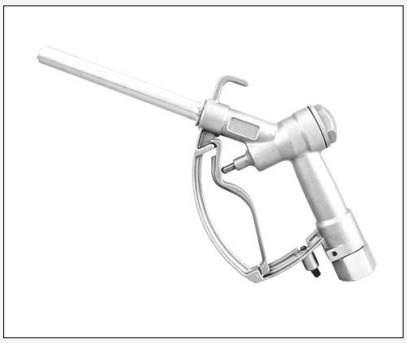
PL530 & PL531

MANUAL FUEL CONTROL NOZZLES



Product Code	Description	Flow Rate	Media
PL530	Manual Fuel Control Nozzle Unleaded Fuel Use	57 litres per Minute	Unleaded Fuel
PL531	Manual Fuel Control Nozzle Diesel Fuel Use	75 Litres per Minute	Diesel Fuel

- All metal Aluminium Die cast consruction
- Inlet: 1" BSP Aluminium hose swivel
- Outlet discharge spout :- 3/4" diameter x 160mm long (for Petrols)
  1" diameter x 160mm long (for Diesel)
- Maximum flow rate : 57 LPM (Petrol), 75 LPM (Diesel)
- Maximum pressure : 3.45 Bar (50 psi)
- For use with Electric Fuel pumps & Gravity feed
- Recommended use : All Petrols, Ethanol blends (up to 15%), Kerosene, Diesel, Biodiesel

PL540 & PL541

AUTOMATIC HIGH FLOW FUEL CONTROL NOZZLES

Product Code	Description	Flow Rate	Media
PL540	Automatic Fuel Control Nozzle Diesel Fuel Use Only	110 litres per Minute	Diesel Fuel
PL541	Automatic Fuel Control Nozzle Petrol Fuel Use Only	57 Litres per Minute	Unleaded Fuel

- Heavy-duty cast aluminium body and trigger
- Thermoplastic protective vinyl grip to protect nozzle body
- Automatic shut-off operation to prevent overfilling' and 'Includes swivel fitting
- For use with electric fuel pumps, Duel mode Manual & Automatic
- Curve spout type
- Inlet :- 1" BSP (F). Diesel (PL540)
  3/4" BSP (F) Petrol (PL541)
- Outlet spout straight :- OD 30mm (1-3/16"), ID 25mm (1")' diameter (for Diesel)
  21mm OD (0.83") diameter (for Petrol)
- Maximum pressure :- 10 Bar
- Recommended use : All Petrols, Ethanol blends (up to 15%), Kerosene, Diesel, Biodiesel

PL542

DUAL PLANE FUEL NOZZLE SWIVEL – 1 BSP

Product Code	Description
PL542	Dual Plane Nozzle Swivels

- Installs between hose and fuel nozzle
- Reduces hose strain and improves flexibility
- Extends hose service life
- Made from die-cast aluminium with brass male thread
- 360° rotation for ease of use
- Laminar flow design for smooth fuelling
- 1" BSPP Female/Male
- Dual O-ring seals for durability
- Suitable for diesel, kerosene, gasoline, bio diesel
- Operates up to 50 PSI

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FUEL EQUIPMENT
FUEL GUNS & METERS

PL550
METERED FUEL CONTROL NOZZLE

Product Code	Description	Includes	Media
PL550	Metered Fuel Control Nozzle	Electronic Display	Diesel, Petrol, Biodiesel, Water

- Metered Fuel Control Nozzle
- Aluminium Die Cast Nozzle Body
- Polyamide body & sealed electronic card
- Inlet : 1" BSP (F) swivel
- Stainless Steel Adaptor included to convert Male to Female end
- Flow : 5 to 75 LPM
- Maximum Working Pressure : 10 Bar (150 psi)
- Working Temperature Range : -10°C to 50°C
- Sealed Electronics Display using Two x AAA 1.5V batteries (included)
- Water Resistance : IP55
- Maximum Resettable Batch Total: 99,999 units
- Maximum Non Resettable Totalizer: 999,999 units
- Least Count / Resolution : 0.001 units
- Accuracy : + / - 1%
- Repeatability : + / -0.30%
- Maximum Viscosity of media: 5.35 cst
- Recommended use: Diesel, Petrol, Bio-Diesel, Windshield Fluid, Water
- DO NOT use with Oils & Ethanol (incl. blends)
- NOT to be used for Media for RESALE

PL560
MECHANICAL NUTATING DISC FUEL METER

Product Code	Description	Includes	Media
PL560	Mechanical Nutating Disc Fuel Meter	Mechanical Display	Diesel, Petrol, Biodiesel, Oil

- Mechanical Nutating (wobble plate) Disc Fuel Meter
- Robust Aluminium Construction
- Nutating disc mechanism offers high tolerance to fuel contamination
- For use with Electric Fuel pumps or Gravity flow (with a minimum gravity head of 1.2m)
- Port size: 1" BSP (F)
- 3 Port design which allows the meter to be fitted in line or with the inlet outlet ports at right angle
- Register cap can be easily removed & rotated to every 90° orientation for display reading
- Flow Rate: 15 to 75 LPM
- Maximum Working Pressure: 3.5 Bar (50 Psi)
- Working Temperature Range: -10°C to +65°C
- Maximum Resettable Batch Total: 9,999 Litres
- Maximum Non Resettable Totalizer: 999,999 Litres
- Least Count Resolution: 0.10 Litres
- Accuracy: +/- 1%
- Repeatablity: +/- 0.50%
- Recommended use: Diesel, All Petrols, Biodiesel, Low to medium Viscosity Oils
- DO NOT use with water based fluids

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PL561
DIGITAL TURBINE METER

Product Code	Description	Features	Media
PL561	Digital Turbine Meter	Electronic Display	Diesel, Petrol, Biodiesel, Water

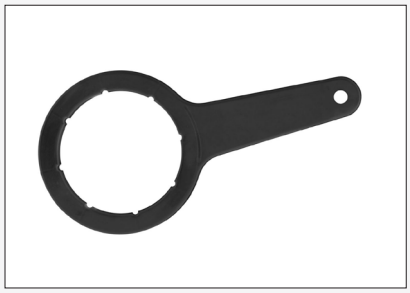
- Polyamide body & sealed electronic card
- Electronic Display can be rotated in 4 different positions
- Electronic Display uses two x AAA 1.5V batteries (included)
- Inlet / Outlet : 1" BSP (M) MXF
- Maximum Working Pressure : 20 Bar (300 Psi)
- Flow : 7 to 120 LPM
- Temperature Range : -10°C to +50°C
- Maximum Resettable Batch Total: 99,999 units
- Maximum Non Resettable Totalizer: 999,999 units
- Accuracy : + / - 1%
- Repeatability : + / - 0.30%
- Water Resistance : IP55
- Recommended use : Diesel, Petrol, Bio-Diesel, Windshield fluid, Water
- DO NOT use with Oil

PL570, PL571, PL573
FUEL FILTER 1" BSP, REPLACEMENT ELEMENT & FUEL FILTER BOWL W/DRAIN

Product Code	Description	Flow Rate	Media
PL570	Fuel Filter 1" BSPP	10 Micron Paper	Diesel & Petrol Fuels
PL571	Fuel Filter - Replacement Element	10 Micron Paper	Diesel & Petrol Fuels
PL573	Fuel Filter Bowl w/drain Suit PL570	10 Micron Paper	Diesel & Petrol Fuels

- Fuel Filter 1" BSP (F)
- High Flow Filter with 10 Micron Paper Element fitted
- Aluminium Die cast head
- Translucent Polypropylene Filter Bowl c/w Brass drain cock
- Removes Small particles of Rust, Dirt, Scale, Grit, Sand & lint at gravity flow 19 Litres / minute with only 600 mm head
- Maximum Working Pressure : 10 Bar (150 Psi)
- Recommended use : Diesel and Petrol
- DO NOT use with water based products, Ethanol blend fuels, Aviation Fuels, Race Fuels etc.
- Replacement Filter Element PL571

PL572
FUEL FILTER WRENCH



Product Code	Description	Features	Material
PL572	Fuel Filter Wrench	Fuel Filter PL570	Reinforced Nylon

- Suits Fuel Filter PL570
- Weather resistant reinforced Nylon construction
- In addition fits other maker :
  Golenrod Models: 495 & 496
  Baldwin Model: B10AL
  National Spencer Model: NS-10
  John Deere Models: TY15192 & TY15677 etc.

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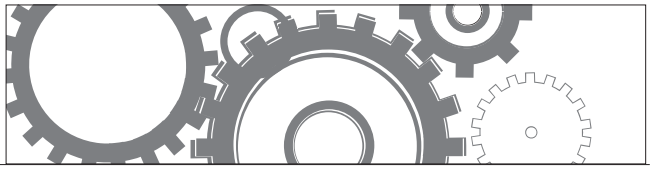
DISPENSING EQUIPMENT
MANUAL CHEMICAL PUMPS



PL600
ROTORY CHEMICAL PUMP

Product Code	Description	Flow Rate	Media
PL600	Rotary Chemical Pump	5 litres per 20 turns	Antifreeze, Fuel, Ad-Blue, Acid etc

- Pump Body made from Glass filled Polypropylene with Ryton Vanes
- All Seals are Viton & all pump hardware is Stainless Steel
- Threaded Polypropylene suction tube suits 50 to 205 Litre drums
- 2 x 2" bung adaptors included
- Strainer fitted to the suction tube stop contaminants from entering the pump
- Delivers: 5 litres per 20 turns
- Recommended use: Dispensing water based media, Anitifreeze, Urea, AdBlue, DEF, Benzine
- Also: Detergents, Glycerine, Acids, Chemicals, etc.
- In addition: to use with all Light weight petroleum based products
- DO NOT use with Acetone, Lacquer, Mineral oils, Solvents, Turpentine, etc.

PL601
LEVER ACTION CHEMICAL PUMP

Product Code	Description	Flow Rate	Media
PL601	Lever Chemical Pump	500ml per stroke	Antifreeze, Fuel, Ad-Blue, Acid etc

- Lever Action Chemical Pump
- Wetted Components: Polyacetal, Polypropylene, PVC & Viton
- Anti siphon vent cap when loosend breaks the siphon action
- Built in 2" Bung Adaptor
- Flow: 500 ml per Stroke
- Suction tube suits 50 to 205 Litre drums
- Pump outlet fitted 2 M x 3/4" flexible corrugated discharge hose
- Design makes it extremely comfortable to pump thick oils without excessive fatique
- Recommended use: Water based media, Detergents, Soaps, Antifreeze, windshield washer fluid
- Also: Hydraulic oils, Lubricants, Herbicides & Pesticides, Ad-Blue, Urea, DEF
- Pump should ONLY be used with NON flammable liquids

PL610
MANUAL HEAVY DUTY SIPHON PUMP

Product Code	Description	Flow Rate	Media
PL610	Siphon Pump	21 litres per minute	Antifreeze, Fuel, Ad-Blue, Acid etc

- Up/Down lever action
- Easy to use Polyethylene Pump, siphon liquids to lower levels than the height of pump
- Easy to prime and start within 6 to 7 strokes
- Suits 205 litre drums, suction tube length 1212 mm
- Flow: 21 LPM
- Flexible corrugated discharge hose length 1200 mm
- Recommended use: Water based fluids, Detergents, Waxes, Soaps, Antifreeze, mild acid
- Also Detergents, Glycerine, Acids, Chemicals, etc.
- In addition: to use with all Light weight petroleum based products
- Do NOT use with Acetone, Lacquer, Mineral oils, Solvents, Turpentine, etc.

- Pump should only be used with light weight & NON Flammable media
- DO NOT use with any media not compatible with materials used in the pump contruction
- WARNING: Pumps must never be used with HOT media at temperatures above +60°C

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PL620
DRUM LEVEL INDICATOR

Product Code	Description
PL620	Drum Level Indicator

- Simple, cost-effective fluid level monitoring
- Fits standard 3/4" drum opening (keeps 2" port free for pump)
- Float-driven planetary gear mechanism tracks liquid level
- Made from polyethylene
- Suitable for oils, fuels, water, coolants, etc.
- Commonly used in oil and fuel industry

PL630
DRAIN CONTAINER – SPILL-FREE – 14.25 LITRE

Product Code	Description
PL630	Drain Container

- Spill-free solution for used oil collection (heavy-duty equipment)
- Made from high-density polyethylene (HDPE)
- Closed design prevents leaks and eliminates clean-up
- Large 8" opening for easy pouring
- Includes catch-all basket (filters & small parts)
- O-ring sealed screw cap for secure closure
- Integrated handle and wheels for easy transport
- Can be stored upright or flat without leaking
- Suitable for used oil and antifreeze

PL670
DRUM WRENCH

Product Code	Description	Material	Bung Sizes
PL670	Drum Wrench	Cast Aluminium	2" and 3/4"

- An easy & convenient tool to open almost all types of drums
- Wrench is manufactured from cast aluminium (LM25) hardened & tempered to increase strength
- Ends of Wrench are designed to fit perfectly into most 2" & 3/4" drum plugs

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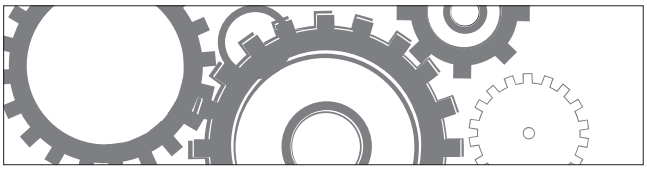
DISPENSING EQUIPMENT
DRUM ACCESSORIES

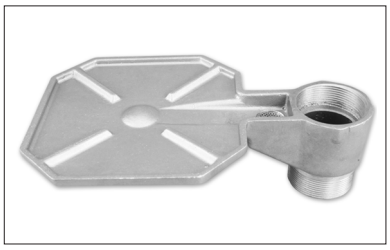


PL671
DRUM FAWCET / TAP

Product Code	Description	Material	Thread Size
PL671	Drum Faucet / Tap	High Density Polyethylene	3/4" BSP

- Body : High density Polyethylene. Knob: Low density Polyethylene
- Fits into 3/4" threaded opening on 205 litre drums
- Facilitates convenient dispensing of media under gravity flow with the drum laid horizontally horizontally

PL672
ALUMINIUM DRIP PAN



Product Code	Description	Material	Thread Size
PL672	Aluminium Drip Pan	Cast Aluminium	2" BSP

- Used as a drain for returning over flown media during dispensing
- Fits into any 2" threaded opening on a drum barrel or tank
- It additionally works as a base for holding a container during dispensing
- Keeps workplace clean & eliminates wastage, saving money each time the pump is used
- Designed with built in 2" bung adaptor & strainer for draining clean media back into the drum

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PL673
DRUM BUNG CONVERTER

Product Code	Description	Material	Thread Size
PL673	Drum Bung Convertor	Polypropylene Co-Polymer	2" Fine x 2" Coarse

- Converts 2" Fine threads found on most pumps / drum bungs to 2" male coarse
- Making the pumps good for use on Plastic drums with 2" coarse female threads
- Construction: Polypropylene co-polymer designed with 4 protrusions for easy tightening
- Dimensions: 82 mm diameter x 34 mm high

PL674, PL675, PL676
MEASURING JUGS

Product Code	Description
PL674	Measuring Jug – 250 ml
PL675	Measuring Jug – 1000 ml
PL676	Measuring Jug – 5000 ml

- Designed for accurate measuring and dispensing
- Suitable for industrial, automotive, and food applications
- Made from heavy-duty, clear polypropylene
- Excellent chemical resistance
- Food grade material
- Ergonomic handle for ease of use
- Clear litre and ounce graduations
- High optical clarity for easy reading
- Autoclavable up to 121°C
- Microwave safe

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PL710, PL721 & PL725

MINIATURE 1/4" FILTER REGULATOR LUBRICATOR (2 PIECE)

Set Up Example

Product Code	Description	Description	Sizes
PL710	Miniture 1/4" FLR	Die Cast Aluminium / Polycarbonate	1/4"
PL721	FRL Miniture Piping Adaptors	Used to connect PL710 FRL Units	1/4"
PL725	Spare Filter Element	Suit PL710 Filter	5 Micron

- Miniature 1/4" Filter Regulator Lubricator (2 piece)
- Die cast Aluminium Construction c/w Polycarbonate bowl with steel bowl guard
- Pressure Gauge & Mounting Bracket included
- Ports: 1/4" Bsp
- Flow: 500 Lpm (18 cfm)
- Maximum Pressure : 10 Bar (145 Psi)
- Pressure Adjustment Range of 0.5 - 10 Bar. (7 - 145 Psi)
- Filter Element: 40 Micron
- Press type manual drain with "night time drain"

PL730 & PL731

AIR BLOW GUNS WITH STAINLESS STEEL NOZZLES

Product Code	Description	Materials	Inlet Port
PL730	Air Blow Gun with 114 mm Nozzle	Body: Nylon Nozzle & Parts: S/Steel	1/4" BSP Fem.
PL731	Air Blow Gun with 330 mm Nozzle	Body: Nylon Nozzle & Parts: S/Steel	1/4" BSP Fem.

- Air Blow Gun with 114 mm & 330 mm nozzles
- Impact & weather resistant Nylon Body
- Stainless Steel Nozzle & parts
- Drop resistant construction
- Handle with Soft rubber grip for convenience & continuous use
- Variable speed trigger
- Ergonomic design of the gun helps eliminate the risk of Carpel Tunnel
- Connection : Brass threaded 1/4" BSP (F)
- Operating Pressure : 3.5 - 16 BAR (50 -235 Psi)
- Blowing Force at 6.8 bar = 0.35 Kgs
- Air Consumption: 15.18 CFM & 15.26 CFM @ 6.8 Bar respectiely
- Noise Level : 80 db @ 100 Psi

PL735

AIR BLOW GUN POLYACETAL BODY

Product Code	Description	Material	Thread Size
PL735	Air Blow Gun	Body: Polyacetal, Nozzle: Aluminium	1/4" BSP Fem.

- Polyacetal Body (POM)
- Non corroding Aluminium nozzle
- Variable Speed trigger ensures for full control of amount of air dispensed
- Connection : Brass threaded 1/4" BSP (F)
- Operating Pressure : 3.5 - 10 BAR (50 - 150 Psi)
- Blowing Force @ 6.8 Bar = 0.472 Kgs
- Air Comsumption: 19.06 CFM @ 6.8 Bar

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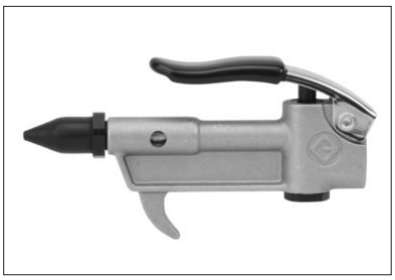
AIR EQUIPMENT
AIR LINE EQUIPMENT & GUNS

PL739
AIR BLOW GUN KIT C/W 6 INTERCHANGEABLE ACCESSORIES

Product Code	Description	Material	Thread Size
PL739	Air Blow Gun Kit	Body: Nylon, Accessories: Aluminium & Rubber	1/4" BSP Fem.

Includes:
- Air Blow Gun PL730
- 100mm Protective Shield
- Soft Rubber Star Tip Nozzle for use on delicate materials
- 12.7 mm Rubber Tip for blowing out lines & cavities
- 25 mm Rubber Tip for blowing out lines & cavities
- 35 mm Rubber Tip for blowing out lines & cavities
- Venturi Nozzle turbo charges output. Great for blowing out dust, drying off washed parts fast

PL740
AIR BLOW GUN



Product Code	Description	Materials	Thread Size
PL740	Air Blow Gun	Body: Die Cast Aluminium, Nozzle: Rubber	1/4" BSP Fem.

- Metal Lever Air Blow Gun
- Manufactured from Die Cast Aluminium
- Feature revolutionary Venturi Mechanism that uses side ports to combine free ambient air with costly compressed air, creating a much higher volume of usable output
- Ergonomic design of the body & large dip coated lever reduces user fatigue & discomfort, even during extended use
- Maximum Pressure: 10 Bar (150 Psi)
- Threaded 1/4" BSP(F) at inlet & 1/8" BSP(F) at outlet
    - 1/2" Rubber Tip
    - Maximum DBA : 85

PL749
BLOW GUNS & ACCESSORIES KIT

Product Code	Description	Materials	Thread Size
PL749	Air Blow Guns & Accessories Kit	Various	1/4" BSP Fem.

- Lever air blow gun kit with interchangable tips
- Accessories supplied in tough plastic case and includes:-

* 2 x PL740 Metal blow guns
* 1/2" Rubber tip
* Standard tip
* Standard safety tip
* High flow safety tip
* Safety booster tip
* Safety tamperproof tip
* 1" Rubber tip
* 1.3/8" Rubber tip
* Soft rubber star tip
* Adjustable brass tip
* Nylon screen 1.1/4" wide tip
* Nozzle with 4" protective shield tip
* Nylon tapered tube 3" long tip
* Mini aluminium tip
* S/S needle 1.3/4" long x 1.8mm dia. tip
* S/S needle 2.15/32" long x 2.4mm dia. Tip
* Steel wire brush tip for industrial cleaning & drying
* Extended reach Aluminium tube 3" long tip
* Extended reach Aluminium tube 6" long tip

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POLYPROPYLENE GREASE HOSE REEL

Product Code	Intended Use	Hose	Inlet	Outlet	Length	W.P	W.T
HRPG15-R2-04-04BTF	Grease	1/4" PIRTEK FRAS R2	1/4" NPT	1/4" BSPF Swivel	15MT	5000 psi	-30C - +90C

- Compact and lightweight
- Tough construction
- Impact and corrosion resistant
- All positive latching system
- Easy Service and mounting
- Anti-static and flame retardant
- Self Retracting
- General workshop and mobile equipment application

POLYPROPYLENE OIL HOSE REEL

Product Code	Intended Use	Hose	Inlet	Outlet	Length	W.P	W.T
HRPO15-R1-08-08BTF	Oil	1/2" PIRTEK FRAS R1	1/2" BSPF	1/2" BSPF Swivel	15MT	1200 psi	-30C - +90C

- Compact and lightweight
- Tough construction
- Impact and corrosion resistant
- All positive latching system
- Easy Service and mounting
- Anti-static and flame retardant
- Self Retracting
- General workshop and mobile equipment application

POLYPROPYLENE AIR & WATER HOSE REEL

Product Code	Intended Use	Hose	Inlet	Outlet	Length	W.P	W.T
HRPW20-MP-06-06BTF	Air & Water	10mm PIRTEK PVC	3/8" BSPF	3/8" BSPM	20MT	232 psi	-5C - +65C
HRPW15-MP-08-08BTF	Air & Water	12mm PIRTEK PVC	1/2" BSPF	1/2" BSPM	15MT	250 psi	-5C - +65C

- Compact and lightweight
- Tough construction
- Impact and corrosion resistant
- All positive latching system
- Easy Service and mounting
- Self Retracting
- General workshop and mobile equipment application
- Compressed Air
- **Modified Pirtek PVC Hose**

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DISPENSING EQUIPMENT
S-SERIES HOSE REELS

STEEL GREASE HOSE REEL

Product Code	Intended Use	Hose	Inlet	Outlet	Length	W.P	W.T
HRSG15-R2-04-04BTF	Grease	1/4" PIRTEK FRAS R2	1/4" BSPPM	1/4" BSPPF Swivel	15MT	5800 psi	-40C - +70C

- Durable and compact
- High quality solid construction
- Wall, floor,ceiling or vehicle mounting
- Designed for Heavy Duty
- Self retracting
- Easy to operate and maintain
- External swivel male fitting

STEEL OIL HOSE REEL

Product Code	Intended Use	Hose	Inlet	Outlet	Length	W.P	W.T
HRSO15-R1-08-08BTF	Oil	1/2" PIRTEK FRAS R1	1/2" BSPPM	1/2" BSPF Swivel	15MT	2320 psi	-40C - +70C

- Durable and compact
- High quality solid construction
- Wall, floor,ceiling or vehicle mounting
- Designed for Heavy Duty
- Self retracting
- Easy to operate and maintain
- External swivel male fitting

ENCLOSED STEEL AIR & WATER HOSE REEL

Product Code	Intended Use	Hose	Inlet	Outlet	Length	W.P	W.T
HRSW15-R1-08-08BTF	Air & Water	1/2" PIRTEK FRAS R1	1/2" BSPF	1/2" BSPF Swivel	15MT	2320 psi	-40C - +70C

- Durable and compact
- High quality solid construction
- Wall, floor,ceiling or vehicle mounting
- Designed for Heavy Duty
- Self retracting
- Easy to operate and maintain
- External swivel male fitting

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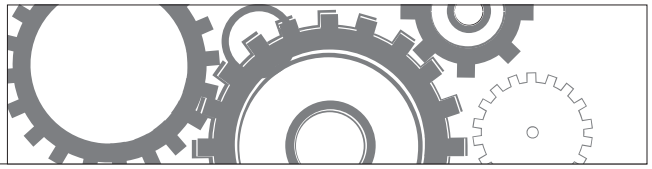

P-Series Hose reel Spares/Service Parts:

REPLACEMENT PARTS	
Product Code	**Description**
IPPAW-013060	12mm Modified PVC - Blue with Yellow Stripe Hose - 60mtrs coil
HRP-SPRING-KIT	Spring and drum assembly for P Series reels
HRP-MOUNT-BK	Spare Mounting Brackets (Pair)
HRP-MN-BK	Bracket adaptor plate – To suit Macnaught R2, R3 & AK Reels.
HRP-SERVICETOOL	Service tool for P-Series Reel
HRP-SWF-04	Swivel Joint, 90deg, ¼", 600 bar pressure (Grease)
HRP-A/W O-04	Swivel Joint, 90deg, ¼", (Air/Water and Oil)

S-Series Hose reel Spares/Service Parts:

REPLACEMENT PARTS	
Product Code	**Description**
HRS-BRACKET-G/O	Hose reel bracket (steel) - Grease / Oil
HRS-BRACKET-A/W	Hose reel bracket (steel) – Air / Water
HRS-SPRINGKIT-G/O	Spring kit for hose reel 15 mt – Grease / Oil
HRS-SPRINGKIT-A/W	Spring kit lowered hub for hose reel 15 – Air / Water
HRS-SPRINGPAWLKIT	Spring pawl kit inox for hose reel
HRS-BRA/SHAFTKIT	Bracket and shaft kit – Grease/Oil hose reels
HRS-SWF-0808-600	Swivel fitting 1/2" - 600 bar

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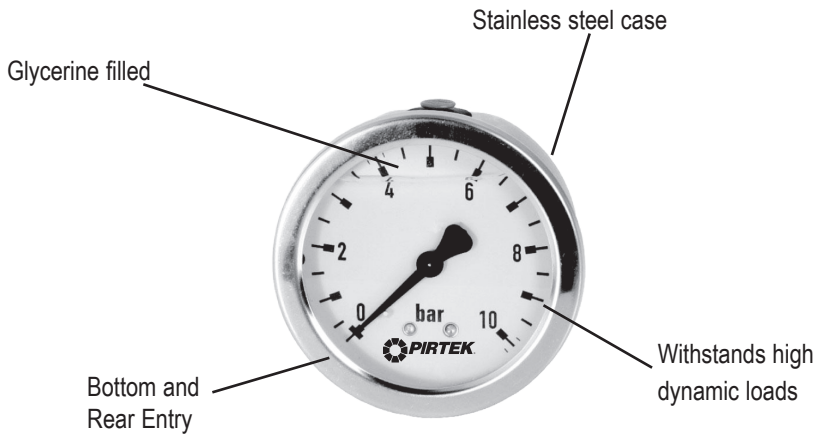
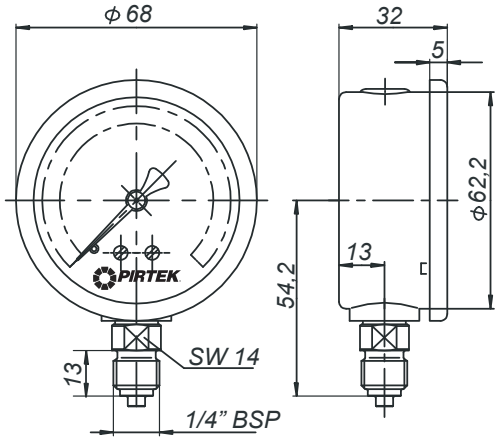
PRESSURE GAUGES

BOURDON TUBE GENERAL PURPOSE
63 MM DIAMETER

* For Pressure gauge / test point kits refer to page 59





Description:

- A high quality bottom entry gauge with rugged construction and quality components
- Dual scales - either bar / psi or kPa / psi (other pressure units available on request)
- Overpressure protection at the full scale value
- Pressure compensating diaphragm to reduce glycerine expansion related errors
- Suit all gaseous and liquid media that do not react with copper alloys
- Temperature range:
  - -25°C to 80°C (flow media)
  - -25°C to 60°C (ambient)
- Temperature Drift:
  - 0.3% / 10° Kelvin deviation from 20°C

Materials and Specifications:

- Stainless steel 1.4301 bright case and bezel - 63 mm nominal diameter
- Plexiglass cover with white plastic face and black lettering and pointer
- Copper - zinc alloy movement
- 99.5% glycerine filled (86.5% for pressure ratings below 2.5 bar)
- Accuracy class 1.6
- Copper alloy Bourdon tube for pressure ranges to 40 bar
- Copper alloy helical tube from 60 bar to 250 bar
- Stainless steel 1.4571 helical tube for pressure ranges above 400 bar

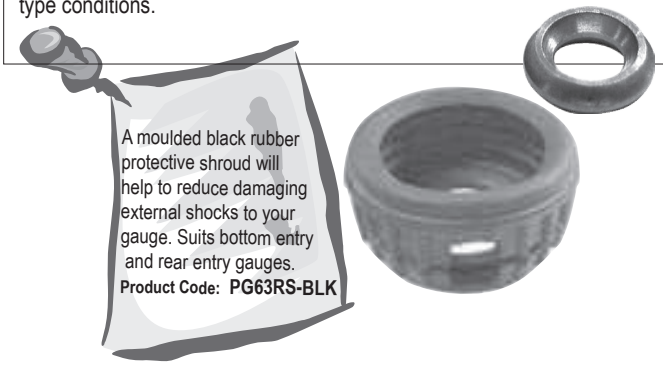
Applications and Notes:

- Suited to high impulse loadings (see Note)
- Complies with EN 837-1/S2 safety standards
- Electrical protection to IP65 (EN 60 529/ IEC 529)
- Low internal wear due to glycerine fill
- Low weight
- Constant load: 3/4 full scale value
- Dynamic (alternating) load: 2/3 full scale
- Suited to a wide range of food and chemical industry applications, as well as general hydraulic equipment, pumps, compressors, and high pressure cleaners

ACCESSORIES

PG63-RESTRICTOR is recommended as an optional add-on to provide greater protection when exposed to high impulse type conditions.

Copper Seal **PGS-04P** is available as a separate part for the BSPP gauge seat. Dimensions: 9.3mm x 5.4mm x 3.2MM



63 mm BOURDON TUBE PRESSURE GAUGES			
Product Code		Dimensions mm	Range
Bottom Entry	Rear Entry	Entry Thread	• see note below
PG63BE-003-04BP	-	¼"-19 BSPP Copper Seal **PGS-04P** is available as a separate part for the BSPP gauge seat. Dimensions: 9.3mm x 5.4mm x 3.2mm	-1 - +3 bar
PG63BE-010-04BP	PG63RE-010-04BP		0 - 10 bar
-	PG63RE-016-04BP		0 - 16 bar
PG63BE-025-04BP	PG63RE-025-04BP		0 - 25 bar
PG63BE-040-04BP	PG63RE-040-04BP		0 - 40 bar
PG63BE-060-04BP	-		0 - 60 bar
PG63BE-100-04BP	PG63RE-100-04BP		0 - 100 bar
PG63BE-160-04BP	PG63RE-160-04BP		0 - 160 bar
PG63BE-250-04BP	PG63RE-250-04BP		0 - 250 bar
PG63BE-315-04BP	PG63RE-315-04BP		0 - 315 bar
PG63BE-400-04BP	PG63RE-400-04BP		0 - 400 bar
PG63BE-600-04BP	PG63RE-600-04BP		0 - 600 bar
PG63BE-1000-04BT	See Panel Mount Options Below	¼"-19 BSPT	0-1000 kPa
PG63BE-1600-04BT			0-1600 kPa
PG63BE-6000-04BT			0-6000 kPa
PG63BE-10000-04BT			0-10000 kPa
PG63BE-25000-04BT			0-25000 kPa
PG63BE-40000-04BT			0-40000 kPa
PG63BPM	BracketSteelZincPlated63mmPanelMount-RearMount		
PG63FPM	Flange3HoleFront63mmPanelMountS/Steel-FrontMount		

• **Note:** Bar gauges are dual scale bar/psi and kpa gauges are dual scale kpa/psi

PANEL MOUNTING BRACKETS

Suitable for rear entry gauges only

PG63FPM
FRONT MOUNT

PG63BPM
REAR MOUNT

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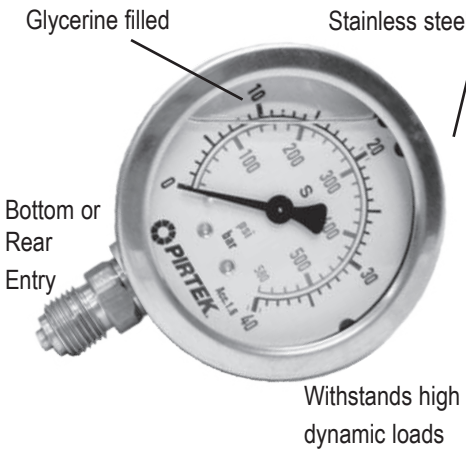
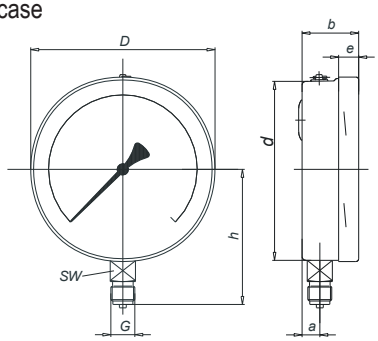
PRESSURE GAUGES

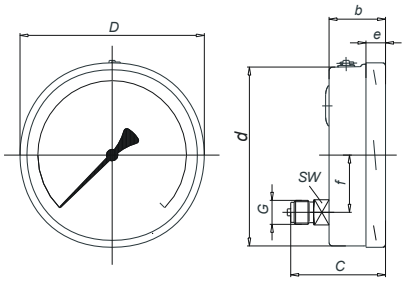
BOURDON TUBE GENERAL PURPOSE

100 MM DIAMETER





Bottom Entry



Rear Entry

Description:

- High reliability and long service life due to modular construction system - Germanischer Lloyd approved
- Capable of Dynamic Load to 90% Full Scale
- Protection to IP 65 to EN 60 529/IEC 529
- Accuracy class 1.0
- Vibration free display
- Temperature range:
  - -20°C to 80°C (flow media)
  - -25°C to 60°C (ambient)
- Temperature Drift: 0.4% per 10° Kelvin deviation from 20°C

Materials and Specifications:

- Stainless steel 1.4301 bright case and bezel - 100 mm nominal diameter
- Plexiglass cover with white aluminium face with black lettering and pointer
- Copper - zinc alloy movement
- 99.5% glycerine filled (86.5% for pressure ratings below 2.5 bar)
- Copper alloy Bourdon tube for pressure ranges to 100 bar - St. Steel above 100 bar
- Stainless steel 1.4571 helical tube for pressure ranges above 400 bar
- Dual scale is bar/psi

Applications:

- Suited to a wide range of industry applications including power stations, general mechanical engineering, pumps, hydraulics, compressors, and water treatment plants

100 mm BOURDON TUBE PRESSURE GAUGES - BOTTOM ENTRY

Product Code		Dimensions mm	Range
Bottom Entry	Rear Entry	Entry Thread	
PG100BE-010-08BP	-	½"-14 BSPP Bottom	0 - 10 bar
PG100BE-025-08BP	-		0 - 25 bar
PG100BE-040-08BP	-		0 - 40 bar
PG100BE-100-08BP	-		0 - 100 bar
PG100BE-160-08BP	-		0 - 160 bar
PG100BE-250-08BP	-		0 - 250 bar
PG100BE-400-08BP	-		0 - 400 bar
PG100BE-600-08BP	-		0 - 600 bar
PG100BE-1000-08BP	-		0 - 1000 bar

100 mm BOURDON TUBE PRESSURE GAUGES - REAR ENTRY

Product Code		Dimensions mm	Range
Bottom Entry	Rear Entry	Entry Thread	
	PG100RE-010-08BP	½"-14 BSPP Eccentric Rear	0 - 10 bar
	PG100RE-025-08BP		0 - 25 bar
	PG100RE-040-08BP		0 - 40 bar
	PG100RE-100-08BP		0 - 100 bar
	PG100RE-160-08BP		0 - 160 bar
	PG100RE-250-08BP		0 - 250 bar
	PG100RE-400-08BP		0 - 400 bar
	PG100RE-600-08BP		0 - 600 bar
	PG100RE-1000-08BP		0 - 1000 bar

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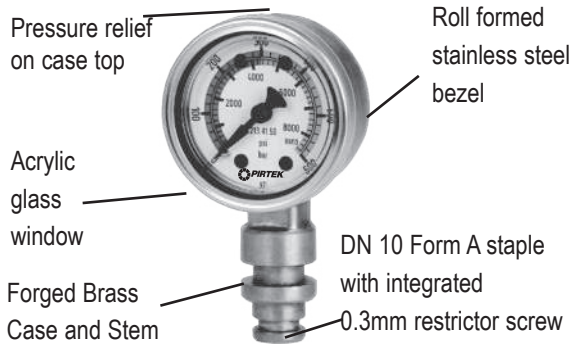
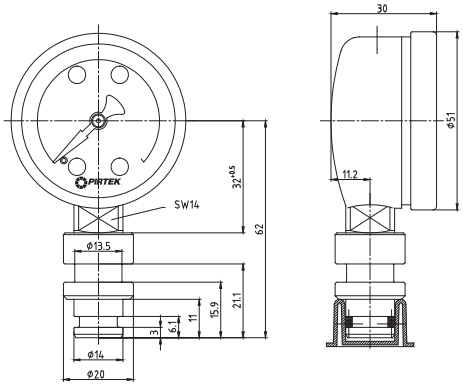
PRESSURE GAUGES

BOURDON TUBE GENERAL PURPOSE
DN1O STAPLELOCK





Description:

- Specifically designed for mining
- Accuracy class 2.5
- Dual scales - bar / MPa
- Pressure relief on top of case
- Hermetically sealed
- Suit all gaseous and liquid media that do not react with copper alloys
- Temperature range:
  Max. 60°C (flow media)
  +10°C to 60°C (ambient)
- Temperature Drift:
  +0.3% / 10°K deviation from 20°C rising
  -0.3% / 10°K deviation from 20°C falling

Materials and Specifications:

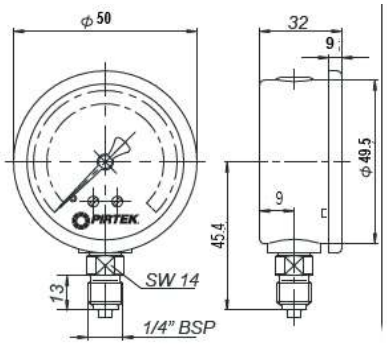
- Hot forged 51 mm DN brass case and stem
- Roll formed stainless steel bezel
- Acrylic glass with white face and fluorescent pointer and red / green / yellow ranges
- Stop pin at zero
- Copper alloy helical tube movement
- 99.5% glycerine filled
- DN 10 Form A staple, bottom radial, 14 mm flats

Applications and Notes:

- Suited to high impulse loadings
- Complies with EN 837-1/S2 safety standards
- Electrical protection to IP65 (EN 60 529/ IEC 529)
- Low internal wear due to glycerine fill
- Constant load: full scale value
- Dynamic (alternating) load: 0.9 full scale
- Suited to mining and hydraulic aggregates

MINING SPECIFIC PRESSURE GAUGE		
Product Code	**Fitting**	**Range**
PG50ST-250	DN10 Staple Male	0-250 Bar (0-25 Mpa)
PG50ST-600	DN10 Staple Male	0-600 Bar (0-60 Mpa)
PG50ST-800	DN10 Staple Male	0-800 Bar (0-80 Mpa)

BSP MALE



Product Code	Fitting	Range
PG50BE-250-04BP	1/4" BSPP	0-250 Bar (0-25 Mpa)
PG50BE-600-04BP	1/4" BSPP	0-600 Bar (0-60 Mpa)

* Copper seal PGS-04P is availble as a seperate part for the BSPP

Description:

- Specifically designed for mining
- Accuracy class 2.5
- Dual scales - bar / MPa
- Pressure relief on top of case
- Hermetically sealed
- Suit all gaseous and liquid media that do not react with copper alloys
- Temperature range:
  Max. 60°C (flow media)
  +10°C to 60°C (ambient)
- Temperature Drift:
  +0.3% / 10°K deviation from 20°C rising
  -0.3% / 10°K deviation from 20°C falling

Materials and Specifications:

- Hot forged 51 mm DN brass case and stem
- Roll formed stainless steel bezel
- Acrylic glass with white face and fluorescent pointer and red / green / yellow ranges
- Stop pin at zero
- Copper alloy helical tube movement
- 99.5% glycerine filled
- 1/4"BSPP

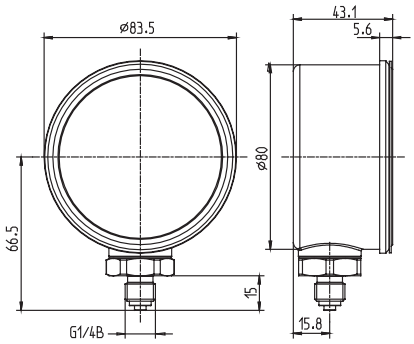
Applications and Notes:

- Suited to high impulse loadings
- Complies with EN 837-1/S2 safety standards
- Electrical protection to IP65 (EN 60 529/IEC 529)
- Low internal wear due to glycerine fill
- Constant load: full scale value
- Dynamic (alternating) load: 0.9 full scale
- Suited to mining and hydraulic aggregates

DIGITAL PRESSURE GAUGES

0-700 BAR DIGITAL PRESSURE GAUGE			
Product Code	**Measuring Range**	**Entry Thread**	**Weight**
PG80D-0-700-04BP	0-700 Bar*	G1/4B (BSPP)	0.4 Kg

***Please note the accuracy of this gauge when using at low pressures.**
Ideal solution for local digital display independent of the mains.
The intergrated battery allows measurements to be made independent of a fixed source of power.



FEATURES:

- 80mm diameter Stainless Steel case
- Fine step selection of nominal pressure range
- Selectable display in Bar, PSI or MPa
- Min/Max memory
- Internal lighting
- High overload protection

SPECIFICATIONS:

- Uses 2 x AA batteries (included)

Temperature range:
Measured medium = -30ºC to +85ºC (up to +100ºC over 100 bar)
Ambient/storage = -10ºC to +60ºC

- Wetted parts Stainless Steel
- Electrical protection IP65 EN60529/IEC529:
- Accuracy 0.5% of full scale ± 1 digit (± 3.5 bar of the reading)
- Stability < ±0.2% full span

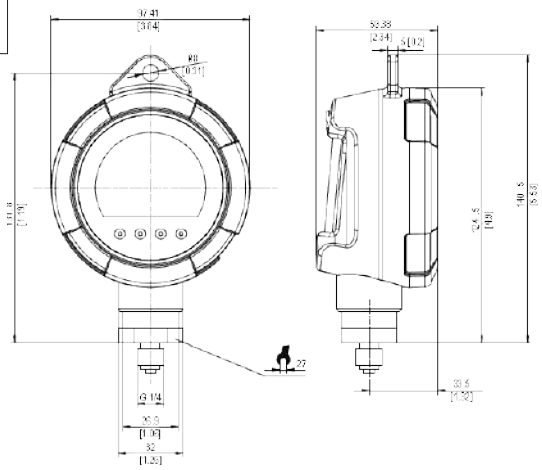
APPLICATIONS:

- Machine, plant & apparatus
- Hydraulics & pneumatics
- Measuring & monitoring equipment

Pirtek recommends the use of protective shroud for your gauge to help reduce external shocks and damage.
Product Code: PG80RS-BLK

0-800 BAR DIGITAL PRESSURE GAUGE			
Product Code	**Measuring Range**	**Entry Thread**	**Weight**
PG80D-0-800-04BP	0-800 Bar*	G1/4B (BSPP)	0.44 Kg
PGRS80D-BLK	Replacement protective shroud		

***Please note the accuracy of this gauge when using at low pressures.**
Advanced, battery-operated digital pressure gauge designed for various applications in both mobile and stationary use.
Setting and checking operating pressures is easier than ever.



FEATURES:

- Easy data transmission via Micro-USB interface for data transfer
- Selectable display in Bar, PSI, Mpa, kg/cm², mbar
- Min/Max memory
- Can be powered via the USB interface for stationary use
- Gauge supplied with robust Silicon protective shroud

SPECIFICATIONS:

- Uses 3 x AA batteries (included)

Temperature range:
Measured medium = -20ºC to +50ºC
Ambient/storage = -18ºC to +55ºC

- Case - PBT Thermoplastic with 30% glass fibre
- Electrical protection IP65 EN60529/IEC529:
- **Accuracy 0.5% of full scale ± 1 digit (± 4 bar of the reading)**
- Stability < ±0.2% full span

APPLICATIONS:

- Analysis of process pressures
- Hydrostatic pressure, leakage & burst measurements
- Setting of switch points on pressure switches
- Calibration instrument or any application requiring highly accurate measurements of hydraulic or pneumatic pressures.

*** Micro-USB cable not included**
*** For further information please refer to the included Operating Instructions booklet**

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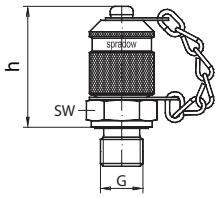
TEST POINTS
TEST 20 SERIES



Description:

- Pirtek Test 20 couplings are used for the monitoring and control of pressure as well as to enable system ventilation
- The system allows connection to a hydraulic system even when at full pressure
- It facilitates the switching of devices

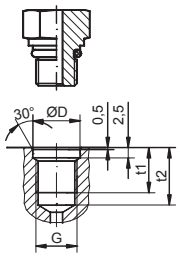
Materials and Specifications:

- NBR Seals (Viton to order)
- Temperature range -20°C to +100°C
- Surface Treatment Hexavalent Chromium (CrVi) free. Stainless steel also available †
- Max. Work Pressure 630 bar at 3:1 Safety Factor
- Supplied complete with M16 x 2 steel cap

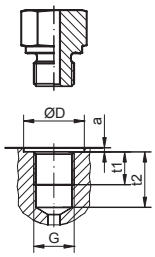
Applications and Notes:

- The couplings are intended specifically for use with mineral oil based hydraulic oils
- The connection is leakproof and incorporates a metal dust protection cap that resists vibration
- A limited number of couplings with S12 x 1.5 Special buttress thread (Test 12) are also available

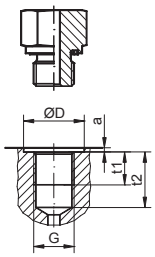
type 1
O-ring Seal



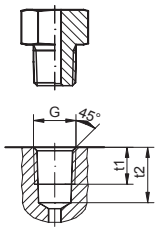
type 2
Metal Seal



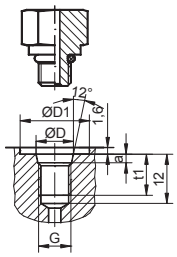
type 3
ED Seal



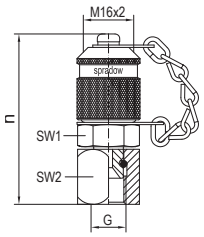
type 4
Taper Seal



type 5
UNO Seal



type 6
Metric & JIC Female



Product Code (M16 x 2 threads) Test 20		Thread G		SW1	SW2	h	Seal Arrangement	ØD	ØD1	a	t1	t2	W.P
NBR Seals	Viton Seals			mm	mm	mm	type	mm	mm	mm	mm	mm	Bar
MTP162-02BP	MTP162-02BPV	1/8"-28 BSPP ED		17	-	39	3	15	-	1	8	10.5	400
MTP162-02BT	MTP162-02BTV	1/8"-28 BSPT		17	-	35	4	-	-	-	5.5	9.5	400
MTP162-02NPT	MTP162-02NPTV	1/8"-27 NPT		17	-	36	4	-	-	-	6.9	11.6	400
MTP162-04BP	MTP162-04BPV	1/4"-19 BSPP ED		19	-	37	3	20	-	1.5	12	15.5	630
MTP162-04BT	MTP162-04BTV	1/4"-19 BSPT		17	-	35	4	-	-	-	8.5	13.5	630
	MTPSS162-04NPTV	1/4"-19 NPT St. Steel		19	-	35	4	-	-	-	10	16.4	630
MTP162-04NPT	MTP162-04NPTV	1/4"-18 NPT		19	-	35	4	-	-	-	10	16.4	630
MTP162-07JIC		7/16"-20 JIC Female		17	17	54	6	12.4	21	2.4	11.5	14	630
MTP162-07UN		7/16"-20 UN-O		17	-	38	5	12.4	21	2.4	11.5	14	630
MTP162-09JIC		9/16"-18 JIC Female		17	19	57	6	15.7	25	2.5	12.7	15.5	630
MTP162-12JIC		3/4"-16 JIC Female		22	22	56	6	20.6	30	2.5	14.3	17.5	630
MTP162-14JIC		7/8"-14 JIC Female		27	27	61	6	-	-	-	-	-	630
MTP162-09UN		9/16"-18 UN-O		19	-	38	5	15.7	25	2.5	12.7	15.5	630
MTP162-M08		M8 x 1 O-Ring Seal		17	-	37	1	9.5	-	-	11	14	250
MTP162-M10	MTP162-M10V	M10 x 1 O-Ring Seal		17	-	37	1	11.5	-	-	11	14	630
MTP162-M12	MTP162-M12V	M12 x 1.5 ED		17	-	37	3	18	-	1.5	12	15	630
MTP162-M14ED	MTP162-M14V	M14 x 1.5 ED		19	-	37	3	20	-	1.5	12	15	630
MTP162-M16ED		M16 x 1.5 ED		22	-	37	3	23	-	1.5	12	15	630
MTP162-10ST		DN10 Staple Male		22	-	56	-	-	-	-	-	-	420
MT162BH		Test 20 Bulkhead Cplg.		19	19	72	-	-	-	-	-	-	630
MT162HJ		Test 20 Hose Joiner M16x2		17	-	42	-	-	-	-	-	-	630
Product Code (Type 6 Metric Female)													
Light Series (L)	Heavy Series (S)	Light	Heavy	L / S	L / S	L / S	L / S	L / S		-	-	-	L / S
MTP162-06LFM	MTP162-06SFM	M12x1.5	M14x1.5	17	14 / 17	53 / 54	6	6/6		-	-	-	315 / 630
MTP162-08LFM	MTP162-08SFM	M14x1.5	M16x1.5	17	17 / 19	53 / 51	6	8/8		-	-	-	315 / 630
MTP162-10LFM	MTP162-10SFM	M16x1.5	M18x1.5	17	19 / 22	50 / 51	6	10/10		-	-	-	315 / 630
MTP162-12LFM	MTP162-12SFM	M18x1.5	M20x1.5	17	22 / 24	50 / 51	6	12/12		-	-	-	315 / 630
MTP162-15LFM	MTP162-16SFM	M22x1.5	M24x1.5	17	27 / 30	51 / 57	6	15/16		-	-	-	315 / 400
MTP162-18LFM	MTP162-20SFM	M26x1.5	M30x2	17	22 / 25	59 / 62	6	18/20		-	-	-	315 / 400
Product Code (S12 x 1.5 threads) Test 12										-	-		
MTP1215-04NPT		1/4"-18 NPT		14	-	32	4	-		-	10	16.4	630
MTP1215-04BT		1/4"-19 BSPT		14	-	30	4	-		-	8.5	13.5	630
MTP1215-07UN		7/16-20 UNF		14	-	32	5	-	-	-	-	-	630

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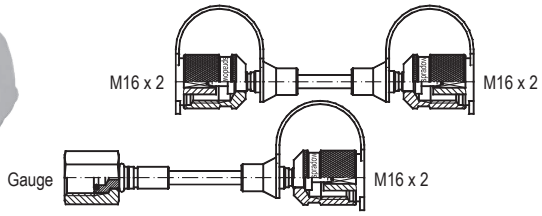
TEST HOSES & COMPONENTS

TEST 20 SERIES



Description:

- A range of off-the-shelf Test 20 hose and fittings combinations in various lengths
- Custom made configurations are also available
- Pirtek Test 20 hoses and couplings are used for the monitoring and control of pressure as well as to enable system ventilation
- The system allows connection to a hydraulic system even when at full pressure
- It facilitates the switching of devices

Materials and Specifications:

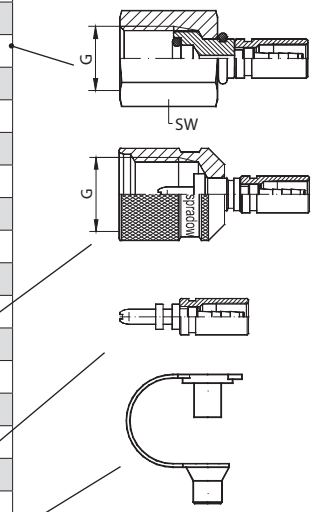
- Polyamide core and cover
- ID 2 mm, OD 5 mm
- Weight: 16 grams per metre
- Synthetic fibre reinforcement
- Min. Bend Radius 20 mm
- Temperature Range:
  -35 °C to +100 °C
- Surface Treatment of fittings:
  Hexavalent Chromium (CrVi) free

Applications and Notes:

- Ideal for monitoring pressure
- Suited to a wide range of machinery and hydraulic equipment
- Pressure Rating:
  W.P. 630 bar at 3:1 Safety Factor
  (Please observe Thread Form pressure limitations)
- Test 15 (M16x1.5) and Test 12 (S12x1.5) Hose tails available.

TEST 20 HOSE ASSEMBLIES WITH M16 x 2 THREADS Other configurations available on request				
Product Code	**End A**	**End B**	**W.P (Bar)**	**Length**
MT2162162-1000	M16 x 2	M16 x 2	630	1000 mm
MT2162162-1500	M16 x 2	M16 x 2	630	1500 mm
MT2162162-2000	M16 x 2	M16 x 2	630	2000 mm
MT2162162-4000	M16 x 2	M16 x 2	630	4000 mm
MT2162G04-1000	M16 x 2	1/4" Gauge	630	1000 mm
MT2162G04-1500	M16 x 2	1/4" Gauge	630	1500 mm
MT2162G04-2000	M16 x 2	1/4" Gauge	630	2000 mm
MT2162G04-4000	M16 x 2	1/4" Gauge	630	4000 mm
TEST HOSE ASSEMBLY COMPONENTS				
MTH-02	DN2 Mini Test Hose		630	mtr
MTF-02	Ferrule to suit Test Hose		-	ea
MTJF1-0702PT	7/16" JIC Fm. Hose Tail		310	ea
MTJF1-0902PT	9/16" JIC Fm. Hose Tail		275	ea
MTBF1G-0402PT	1/4" Pressure Gauge Fm. Hose Tail		630	ea
MTBF9G-0402PT	1/4" Pressure Gauge Fm. 90º Hose Tail		630	ea
MTBF1G-0802PT	1/2" Pressure Gauge Fm. Hose Tail		630	ea
MTBPM1-0202PT	1/8" BSPP Male Hose Tail		250	ea
MTBPM1-0402PT	1/4" BSPP Male Hose Tail		400	ea
MTBF1-0402PT	1/4" BSPP Female Hose Tail		630	ea
MTNM1-0202PT	1/8" NPT Male Hose Tail		250	ea
MTNM1-0402PT	1/4" NPT Male Hose Tail		400	ea
MTF1-1215PT	S12 x 1.5 Female Hose Tail (Test 12)		630	ea
MTF1-1615PT	M16 x 1.5 Female Hose Tail (Test 15)		630	ea
MTF1-1620PT	M16 x 2 Female Hose Tail (Test 20)		630	ea
MTF9-1620PT	M16 x2 Female 90° Hose Tail (Test 20)		630	ea
MTPI1-0202PT	Plug In Hose Tail		400	ea
MTSMP1-0602	6 mm Metric Standpipe Str. Hose Tail		630 (only with 06S nut)	ea
MTSMP9-0602	6 mm Metric Standpipe 90° Hose Tail		630 (only with 06S nut)	ea
MT162-HOSE CAP/PLUG	Plug In Cap for Test Hose		-	ea

Ferrules depicted must be ordered separately



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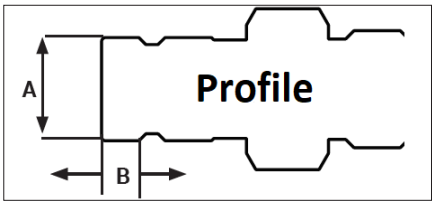
DIAGNOSTIC QUICK COUPLING

ISO 15171-1, SAE J1502 INTERCHANGE

Diagnostic quick connect couplings provide easy connections for mechanical gauges or specialised diagnosticequipment, used in various markets such as mining, construction and industrial on mobile equipment, hydraulic systems, fluid & air systems and cooling systems.

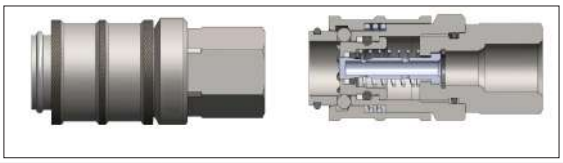
* Machined components are manufactured using solid steel bar stock and plated with trivalent chrome.
* Stainless steel balls, retaining rings and springs maximise corrosion resistance and extend service life.
* Steel nipples are machined from solid steel bar stock and hardened.
* Nitrile (Buna-N) seals
* PTFE anti-extrusion ring protects main coupler O-ring from dynamic impulse pressure damage.
* Temperature range: -40ºC to 121ºC
* Interchange with Parker PD series, Eaton/Aeroquip FD90, Caterpillar® type.

RATED PRESSURE								
"Body Size"	SteelCoupler/NippleConnected				Steel Nipple Disconnected			
	Max. Working		Burst		Max. Working		Burst	
	Bar	PSI	Bar	PSI	Bar	PSI	Bar	PSI
1/8"	413	6000	1300	18854	413	6000	1600	23206



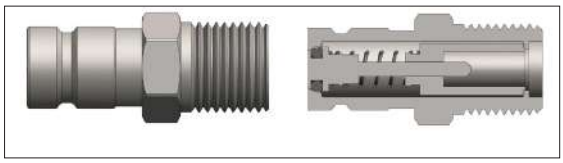
Body Size	A (mm)	B (mm)
1/8"	12.4	4.8

FUNCTIONAL PARAMETERS				
Air Inclusion	Fluid Loss	Vacuum	Rated Flow @ pressure drop 22 PSI	Max. Recommended Flow
cc	cc	in Hg		
0.02/connect	0.1/disconnect	27.4	3.0 LPM (0.8 GPM)	15.1 LPM (4 GPM)



COUPLER X FEMALE THREAD				
Part Number	Thread	Length	Max. O.D	Hex
		mm	mm	mm
DQC-02NPTF	1/8"-27 NPT	54.1	24.8	21
DQC-04NPTF	1/4"-18 NPT	54.1	24.8	21

NIPPLE X FEMALE THREAD				
Part Number	Thread	Length	Max. O.D	Hex
		mm	mm	mm
DQCN-02NPTF	1/8"-27 NPT	47.7	19.3	17
DQCN-04NPTF	1/4"-18 NPT	47.7	19.3	17



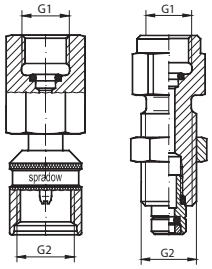
NIPPLE X MALE THREAD				
Part Number	Thread	Length	Max. O.D	Hex
		mm	mm	mm
DQCN-02NPTM	1/8"-27 NPT	50.2	19.3	17
DQCN-04NPTM	1/4"-18 NPT	37.5	19.3	17
DQCN-07UNO	7/16"-20 UNO	49.0	19.3	17
DQCN-09UNO	9/16"-18 UNO	37.5	19.3	17

DUST CAP SUIT NIPPLE		
Part Number	Body Size	Material
DQCNDC	1/8"	Nitrile (NBR)

GAUGE & TEST POINT ADAPTORS

GAUGE ADAPTORS

MTGA SERIES

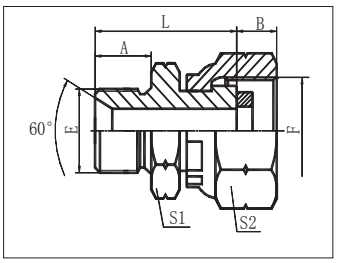


type 1 type 2

Product Code	Test Point	Gauge	Type
MTGAF162-04BPF	M16 x 2 Fm	1/4" BSP Fm	1
MTGAF162-08BPF	M16 x 2 Fm	1/2" BSP Fm	1
MTGAM162-04BPF	M16 x 2 Male	1/4" BSP Fm	2
MTGAF162-04NPFT	M16 x 2 Fm	1/4" NPT Fm	1
MTGAF162-08NPFT	M16 x 2 Fm	1/2" NPT Fm	1

AAMG / T SERIES

BSP MALE x BSPP FEMALE GAUGE ADAPTOR



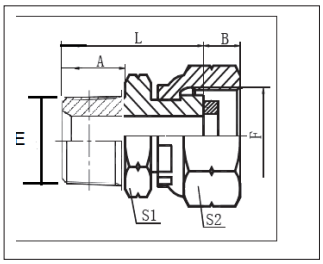
Product Code	Thread		Dimensions mm					
	E (BSPP)	F (BSPP)	A	B	L	S1	S2	O-RINGP/N
AAMG-04-04*	1/4" - 19	1/4" - 19	12	14.5	26.5	19	19	AAMGOR - 04
AAMG-04-08*	1/4" - 19	1/2" - 14	13.9	15.4	33.0	21.7	26.8	AAMGOR - 08
AAMG-06-08*	3/8" - 18	1/2" - 14	11.9	15.5	34.0	21.7	26.8	AAMGOR - 08
AAMG-08-08*	1/2" - 14	1/2" -14	14.0	15.5	38.0	26.7	26.8	AAMGOR - 08
	E (BSPT)	F (BSPP)						
AAMGT-02-04*	1/8" - 27	1/4" - 19	10.2	10.0	25.3	13.7	18.8	AAMGOR - 04
AAMGT-04-04*	1/4" - 19	1/4" - 19	14.9	10.4	32.6	16.8	18.8	AAMGOR - 04
AAMGT-04-08*	1/4" - 19	1/2" - 14	14.7	15.5	32.1	18.8	26.9	
AAMGT-06-08*	3/8" - 19	1/2" - 14	15.0	15.7	33.2	21.7	26.8	AAMGOR - 08

***NOTE:** The above adaptors are supplied with a sealing o-ring mounted internally. Refer to above table for replacement O-Ring part number

****NOTE:** The above adaptors are supplied with a sealing washer mounted internally.
Copper Seal **PGS-04P** is available separately as a spare part for the 1/4" gauge stem if needed..
Dimensions: 9.3mm x 5.4mm x 3.2mm

AAMGN SERIES

NPT MALE x BSPP FEMALE GAUGE ADAPTOR

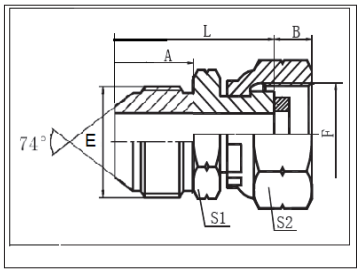


Product Code	Thread		Dimensions mm					
	E (NPT)	F (BSPP)	A	B	L	S1	S2	O-RING P/N
AAMGN-04-04*	1/4" - 18	1/4" - 19	12	14.5	26.5	19	19	AAMGOR - 04

***NOTE:** All the above adaptors are supplied with a sealing o-ring mounted internally. Refer to above table for replacement O-Ring part number

AAMGJ SERIES

JIC MALE x BSPP FEMALE GAUGE ADAPTOR



Product Code	Thread		Dimensions mm					
	E (JIC)	F (BSPP)	A	B	L	S1	S2	O-RING P/N
AAMGJ-07-04*	7/16" - 20	1/4" - 19	12	14.5	26.5	19	19	AAMGOR - 04
AAMGJ-09-04*	9/16" - 18	1/4" - 19	14.1	10.3	31.8	16.7	18.8	AAMGOR - 04
AAMGJ-09-08*	9/16" - 18	1/2" - 14	14.1	15.7	33.2	21.8	26.8	AAMGOR - 04

***NOTE:** All the above adaptors are supplied with a sealing o-ring mounted internally. Refer to above table for replacement O-Ring part number

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GAUGE ADAPTORS

MFBB
BSP In-Line Test Point Adaptor

Product Code	BSPT MALE ①	BSP FEMALE ②	BSPT FEMALE ③
MFBB-04-04-02	1/4" - 19	1/4" - 19	1/8"
MFBB-06-06-02	3/8" - 19	3/8" - 19	1/8" - 28
MFBB-08-08-02	1/2" - 14	1/2" - 14	1/8" - 28
MFBB-12-12-02	3/4" - 14	3/4" - 14	1/8" - 28

Note :- that the Test Point is installed via a 1/8" BSPT port & is ordered seperately

MFFB
ORFS In-Line Test Point Adaptor

Product Code	ORFS MALE ①	ORFS FEMALE ②	BSPT FEMALE ③
MFFB-04-04-02	9/16" - 18	9/16" - 18	1/8" - 28
MFFB-06-06-02	11/16" - 16	11/16" - 16	1/8" - 28
MFFB-08-08-02	13/16" - 16	13/16" - 16	1/8" - 28
MFFB-10-10-02	1" - 14	1" - 14	1/8" - 28

Note:- that the Test Point is installed via a 1/8" BSPT port & is ordered seperately

MFJB
JIC In-Line Test Point Adaptor

Product Code	JIC MALE ①	JIC FEMALE ②	BSPT FEMALE ③
MFJB-07-07-02	7/16" - 20	7/16" - 20	1/8" - 28
MFJB-09-09-02	9/16" - 18	9/16" - 18	1/8" - 28
MFJB-12-12-02	3/4" - 16	3/4" - 16	1/8" - 28
MFJB-14-14-02	7/8" - 14	7/8" - 14	1/8" - 28
MFJB-17-17-02	1.1/16" - 12	1.1/16" - 12	1/8" - 28
MFJB-21-21-02	1.5/16" - 12	1.5/16" - 12	1/8" - 28

Note:- that the Test Point is installed via a 1/8" BSPT port & is ordered seperately

MFJU
JIC In-Line Test Point (UNO) Adaptor

Product Code	JIC MALE ①	JIC FEMALE ②	UNO FEMALE ③
MFJU-07-07-07	7/16" - 20	7/16" - 20	7/16" - 20
MFJU-09-09-07	9/16" - 18	9/16" - 18	7/16" - 20
MFJU-12-12-07	3/4" - 16	3/4" - 16	7/16" - 20
MFJU-14-14-07	7/8" - 14	7/8" - 14	7/16" - 20
MFJU-17-17-07	1.1/16" - 12	1.1/16" - 12	7/16" - 20
MFJU-21-21-07	1.5/16" - 12	1.5/16" - 12	7/16" - 20

Note:- that the test point is installed via a 7/16" UNO port & is ordered seperately

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PRESSURE TEST KITS

Pressure Test Kit Test 20 - Complete

Versatile pressure test kit for efficent monitoring of hydraulic systems. Case is manufactured from strong engineering polymers and stainless steel hinge and latch springs to ensure extended product life and corrossion protection.

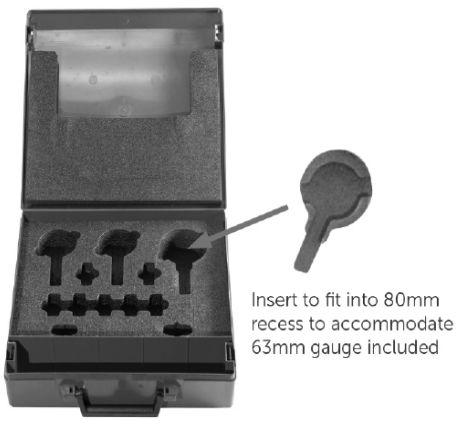
A unique lid design that opens 180 degrees with a sturdy locking system and a separate front compartment ideal to fit other test point couplers and adaptors.

FoaminsertmadefromPlastazote®,strong&durablewithexcellentresistancetooils, chemicals and is waterproof.

Case dimensions: W: 370mm D: 370mm H: 85mm

Part Number	Components Included
PGTPK-01	1 x 0-60 Bar 63mm bottom entry pressure gauge
	1 x 0-250 Bar 63mm bottom entry pressure gauge
	1 x 0-400 Bar 63mm bottom entry pressure gauge
	3 x 1/4" BSPP Fem x Male test point gauge adaptor
	2 x 1/4" BSPP Fem x Fem test point gauge adaptor
	2 x 1/8" BSPT test point coupling
	2 x 1/4" BSPP test point coupling
	1 x M10x1 test point coupling
	1 x 3/8" Male x 1/4" Fem BSPP reducing adaptor
	1 x 1/2" Male x 1/4" Fem BSPP reducing adaptor
	1 x 2mtr test 20 hose assembly

Pressure Test Kit - Case only



Test kit case only with foam insert is available for those wanting to customise their own pressure test kit.
Case can securely accommodate 3 x 63mm gauges or 2 x 63mm gauges & 1 x 80mm gauge (suit Pirtek digital gauge), along with 5 test couplings, 5 gauge adaptors, 2 adaptors and a test hose assembly.

Separate compartment at the front to store more fittings.

Part Number	Case Dimensions mm		
PGTPC-01	W = 370	D = 370	H = 85

* Cabinets & frames to suit these cases can be found on page 84

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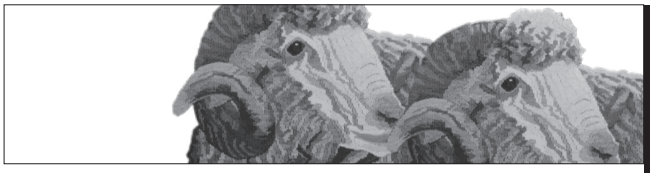
LANOLIN PROTECT
LANOLIN LUBRICANT



Lanolin is a totally natural wax (wool grease). Pirtek's formulation enhances this non-toxic product providing long term protection on any surface against rust, acids, alkaline and salts.Our Lanolin Lubricant range is available in both liquid sprayable and grease form.

Pirtek Protect Lanolin Lubricant Aerosol is a general purpose sprayable form of Protect grease which dries to a fine grease "wet" film offering the same characteristics as the grease on exterior surfaces for multi-purpose use as a lubricant for moving parts, protectant against corrosion, fluid displacement and a penetrant to free up rusted parts.

Pirtek Protect Lanolin Lubricant Liquid is a heavy duty, higher lanolin content, thick sprayable form of Protect grease which dries to a heavy duty grease "wet" Pirtek Protect Lanolin Lubricant Liquid is a heavy duty, higher lanolin content, thick sprayable form of Protect grease which dries to a heavy duty grease "wet" lubricant for moving parts, protectant against corrosion, fluid displacement and a penetrant to free up rusted parts.

Features & Benefits:
- Long-lasting lubrication for all moving parts
- Protects equipment from atmospheric acid and salt corrosion
- Displaces moisture from surfaces, protecting them from corrosion
- Penetrates metal surfaces preventing wear and providing extended protection
- Penetrates seized parts for easing releasing
- High thermal and mechanical stability. Resists breakdown in high temperatures and temperature variations
- Non-conductive /Di electric up to 70kV, **do not apply to live electrical equipment**. Non Flammable
- Protects electrical applications and appliances from moisture and corrosion
- Resists breakdown in high temperatures and temperature variations
- Resistant to wash off
- Food safe, suitable for use around food preparation and processing machinery
- Enviromentally friendly and Biodegradable

Common Uses:
- Lubricates moving parts, chains and blocks
- Lubricates O-rings, linkages, pivot pins and bushes
- Penetrates rusted surfaces to free nuts and tools
- Protects exterior surfaces from surface rust• Lubricates and protects chains and boat trailer springs
- Protects metal fastenings and fittings from corrosion
- Ideal for marine applications and outboard motors to protect against salt spray

Pirtek Protect Lanolin Lubricant Grease is a thick, tacky grease with high load capabilities that will not wash out under most conditions, from underwater to general applications. Lanolin lubricant grease is an all-round product that provides excellent results as a lubricant, anti-corrosive and thread anti-seize.

Features & Benefits:
- Excellent anti-seize compound with exceptional lubricity in order to prevent wear-reducing galling, fretting, seizing and corrosion
- Protection between all metals from galvanic corrosion
- Acid and salt resistant
- Assists in lubricating for ease of disassembly of parts
- Displaces moisture, lubricates all surfaces and will not wash off
- High thermal and mechanical stability. Resists breakdown in high temperatures and temperature variations
- Non-conductive /Di electric up to 70kV, **do not apply to live electrical equipment**. Non Flammable
- Food safe, suitable for use around food preparation and processing machinery
- Enviromentally friendly and Biodegradable

Common Uses:
- Lanolin grease acts as anti-seize for threaded rod, shackles, nuts and bolts
- Stops galling of Stainless Steel and Aluminium threads
- Stops electrolysis due to dissimilar metal contact
- Lubricates rubber o-rings, gaskets, seals, linkages, pivot pins and bushes. ***Not to be used as a high speed bearing lubricant.**
- Lubricates and protects chains and boat trailer springs
- Protects metal fastenings, fittings, wire rope, propellers and skegs from corrosion
- Seals timber joints, bridge bearers and timber ends

Product Code	Description
PIR300C	300GM AEROSOL WITH UNI SMART STRAW CORROSION PROTECTOR
PIR750ML	750ML TRIGGER PACK CORROSION PROTECTOR
PIR5L	5LTR JERRY LIQUID LANOLIN LUBRICANT
PIR20L	20LTR DRUM WITH TAP LIQUID LANOLIN LUBRICANT
PIR200L	200LTR DRUM WITH AERATOR LIQUID LANOLIN LUBRICANT
PIRG165ML	165ML TOTTLE BOTTLE GREASE LANOLIN LUBRICANT
PIRG1LP	1LTR PAIL GREASE LANOLIN LUBRICANT
PIRG4LP	4LTR PAIL GREASE LANOLIN LUBRICANT

LANOLIN PROTECT
CORROSION PROTECTOR

Pirtek Protect Corrosion Protector is a high-performance lanolin film that forms a low tack “dry” coating that resists build up while forming a moisture tight seal around substrates that will resist corrosion.

Corrosion Protector is highly robust when dry and will not flake or chip and will retain its elasticity.

Features & Benefits:

• The ultimate in lanolin barrier film coating for exterior and interior corrosion protection.
• Quick to dry and forms a low tack, moisture tight seal that resists acids, alkali, fertilizers, highly corrosive environments, moisture ingress and salt corrosion.
• Protects metals and all alloy surfaces.
• High wash-out water resistance.
• Environmentally safe, biodegradable, eco-friendly and suitable for applications around waterways and sensitive environments.
• Dielectric tested to 40kV for electrical applications.
• Non toxic, suitable for use around food preperation areas.
• Aerosol can with handy flip-up uni smart straw for wide fan coverage or direct spray.

Common Uses:

• Protecting exterior surfaces, metal fasteners and fittings from rust during storage.
• Penetrates rusted surfaces to free up nuts and tools.
• Moisture proofs and protects electrical components, switchgears and circuit boards.
• Ideal for marine applications to protect from salt spray.
• Anti-spatter protection when welding
• Protects under- bodies of 4WD off-road vechicles, along with protects trucks, trailers, bikes and agricultural vechicles including boom sprays.

Product Code	Description
PIRCP300C	300GM AEROSOL WITH UNI SMART STRAW CORROSION PROTECTOR
PIRCP750ML	750ML TRIGGER PACK CORROSION PROTECTOR
PIRCP5L	5LTR JERRY CAN CORROSION PROTECTOR

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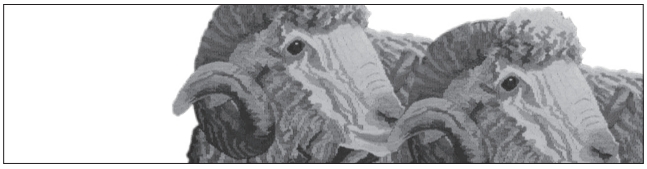
PROTECT
HIGH STRENGTH CITRUS DEGREASER



Pirtek Protect Citrus degreaser is a powerful, fast acting natural degreaser derived from citrus ingredients with low acidity and pH neutral. Ideal for the removal of glues, fats, grease, bitumen, oils, waxes and carbon deposits. Citrus degreaser provides an effective cleaning solution which can be diluted providing superior cleaning of Stainless Steel and Aluminium without the environmental or personal hazards associated with traditional toxic chemicals.

Features & Benefits:

- Non hazardous with low toxicity and odour, suitable for indoor use.
- Derived from natural citrus ingredients which is pH neutral and low acidity.
- Water soluable, suitable for different dilutions and cleaning applications.
- Food safe for use around food preperation and process areas.
- Fresh citrus aroma.
- Aerosol can with handy flip-up uni smart straw for wide fan coverage or direct spray.

Common Uses:

- leaning and degreasing of heavy machinery and plant.
- Breaking down of hydrocarbons, bitumen, shipping waxes, adhesives and carbon build up.
- Industrial cleaning of surfaces and parts cleaning washes.
- Workshop and floor cleaner in preparation for paining and concrete sealing.
- Cleans air conditioning filament filters and recyclable filters.
- Cleaning and degreasing of alloys and Stainless Steels.
- De-carbonizing electrical motors and generators.
- Removal of permanaent markers, inks and fresh graffiti.
- Removal of Pirtek Lanolin Products

Product Code	Description
PIRDG300C	300GM AEROSOL WITH UNI SMART STRAW CITRUS DEGREASER
PIRDG750ML	750ML TRIGGER PACK CITRUS DEGREASER
PIRDG5L	5LTR JERRY CAN CITRUS DEGREASER

LANOLIN PROTECT
POINTS TO NOTE

SAFETY

- Liquid lanolin products contain specifically blended solvents that require a short time to evaporate. It is essential that the products are not applied to electrical equipment while it is live
- Lanolin products are derived from natural wax (wool grease) and are biodegradable, non toxic, and provide a safe, superior alternative to traditional petrochemical based dewatering and lubricating fluids
- Lanolin products provide high load bearing capabilities on bearings, but are not suited to use in high speed bearings
- Do not spray liquid lanolin products near fire, flame or sparks
- Lanolin products will not wash off. If surfaces coated with lanolin are to be painted, clean surfaces with white spirits, or steam clean above 65°C

EMULSION COMPATIBILITY AND LIMITATIONS (UNDERGROUND MINING)

Pirtek Protect Lanolin lubricant and anti-seize greases offer long term protection, even in the harshest conditions. They protect, lubricate, penetrate and displace.

In the harsh environment that is underground mining using longwall equipment, machinery in the longwall is subject to mine waters and emulsions. It is important to lubricate moving parts and O-rings in the machinery to ensure that the equipment is kept running smoothly and to prolong the life of the machinery.

Pirtek Protect lanolin lubricant and anti-seize grease do just that!

Independent tests have been performed for both the lanolin lubricant and the anti-seize grease. Both products were each added with longwall emulsions at a set concentrate, based on the upper limit that might be reached in field application. Both products passed an O-ring swell test and thermal stability test.

- The O-ring swell test consisted of an O-ring immersed in the lanolin lubricant mixed with a longwall emulsion, and an O-ring immersed in the anti-seize grease mixed with a long wall emulsion. The O-rings were left in the mix for 56 days at 70°C. At the end of the test date, both O-rings were found to have no significant difference in swell.
- The thermal stability test was performed on both the Protect Lanolin lubricant and anti-seize grease, to test the oil separation when these products were added to the longwall emulsion.
- The stability tests were conducted for 168 hours at 70°C. At the end of the test period, there was no oil separation in either product.
- Excessive application of Lanolin grease to fittings and threads in a hydraulic system has been reported to cause precipitation of the grease in low-flow areas such as pilot systems. This can lead to a collection of microscopic debris that may cause problems with valve operation

As a result of the this last point, the Protect lanolin product should not be allowed to come in contact with longwall emulsion hydraulic fluid. Its use should be restricted to lubrication of mechanical and electrical components external to the emulsion

FLASH POINT

Flash Point Approval has been granted to the range of Lanolin Products in accordance with Australian Standards AS2106.2:1999, using the Pensky-Martens apparatus.

Flash Point approval testing of the Lanolin Products was conducted and the approval has been granted by the Department of Mineral Resources Mine Safety Laboratory of New South Wales to Australian Standards AS2106.2:1999 in a controlled laboratory environment. The Department of Mineral Resources has also assessed the Material Safety Data Sheets (MSDS) Industrial Grade, approval has also been granted as all MSDS are compiled to the criteria of Worksafe Australia guidelines.

Flash Point testing has been undertaken to ensure that its products are safe to use in the mining industry for both Open Cut and Underground operations.

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LANOLIN PROTECT
RECOMMENDED APPLICATIONS

OVERVIEW

Aerosols :
- Electrical connectors
- Lubricant for drilling, cutting, machining and pressing
- Welding anti spatter
- Component preservation
- Vehicle rust protection
- Lubrication of light chains
- Air tool lubrication
- Locks and hinges
- Rejuvenates plastics, vinyls, aluminium & powder coating
- Reduce oxidation during shipping

Sprayable Liquids:
- Harsh & corrosive environments
- Heavy chain & wire rope (non sling & non webbing)
- High speed and load bearing chains
- Battery terminals & connectors e.g. electrical fork trucks
- Assembly lube for rubber hoses & multi pin plugs
- Preservation & protect motors & bearings
- Outside storage protection

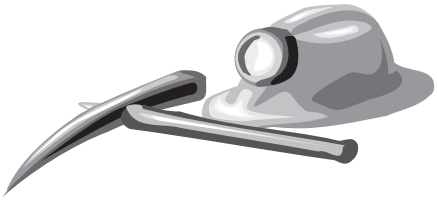
Greases:
- Food grade certified
- Non conductive to 70KV
- Rubber grease, non perishing, excellent belt grip
- Welding nozzle dip
- Drilling & cutting aid
- All purpose lubricant
- Anti-seize for nuts & bolts
- Metal to metal soft seal gasket
- Stop galling of st. steel & alumin.
- Stops electrolysis of dissimilar metals

Release Agents:
- Concrete form work
- Water resistant
- Self healing
- Stops swelling of timber end grain
- Less cleanup after stripping
- Extends formwork life
- No damage to the environment

MINING

Pirtek Protect products are ideal in the mining environment because they provide what is effectively a hermetic seal or encapsulation of the targeted equipment. This protective film offers:

- environmental friendliness
- safety for workers
- non-toxicity
- superior dielectric performance
- long term pro-active protection
- Reduced acid etching
- great lubrication and anti-seize properties
- reduced hydrolysis
- reduced dismantling time and improved safety
- better opportunities for maintenance and therefore reduced downtime
- easy clean up



Use it on

- Roof Bolters - Drive chains, fittings, linkages and guides
- Rib Bolters - Drive gears, fittings, linkages
- Miner- Drive chains, chassis and protective covers, linkages, fittings, actuator pins, mounting bolts, electrical equipment and connections
- Shuttle Car- Universals and drive chains, linkages, fittings, cable level wind system, chassis, electrical equipment and connections, haulage chains and flight bars, mounting bolts, actuator pins and sprockets
- Mobile boot end- Drive chains, track adjustment bolts, guides, fittings, linkages, hinges and electrical equipment, chassis and protective covers
- Pumps and fan systems- linkages, protective covers, pump/fan housing, electrical equipment and fittings
- Conveyor Belts- Chains, shackles, turn buckles, electrical equipment, loop take up system, wire cables fittings, rollers, hanging brackets, pins, drive units, nuts/bolts, belt stands and rails

Long Wall Mining Operation

- Chock Supports- Linkages and electrical equipment
- Actuator pins, actuators, relay bars and guides
- Alternating Face Conveyor- Electrical equipment (motors etc), dog bone bolts, chain drives, sprockets, linkages, guides, threads (except hydraulic), main gate and tail gate drive units
- Stage Loader and Crusher Unit- Linkages, electrical equipment, guides, threads (except hydraulic) and bolts
- Pump Station- Pumps (except internal), electrical motors, filters, threads (except hydraulic) and bolts
- Conveyor Belts- Chains, shackles, turn buckles, loop take up system, electrical equipment, fittings (except hydraulic), wire cable, rollers, hanging brackets, pins, drive units, belt stands and rails

Washing or Screening Plant

- Conveyor belts- Electrical equipment, chains, shackles, wire cables, loop take up system, fittings, hanging brackets, pins, belt stands and rails
- Electrical Equipment- Motors, fittings, connections, lighting, camera surveillance systems, transformers, circuit breakers and distribution panels
- Screening & washing system- Electrical equipment, drive units, chains, wire rope, pins, fittings, slides, nuts & bolts

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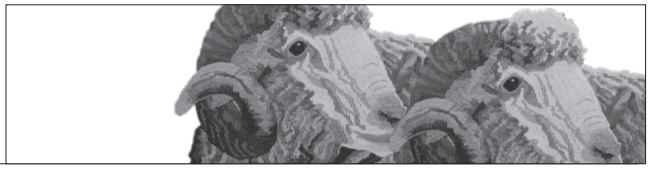
LANOLIN PROTECT
RECOMMENDED APPLICATIONS



METAL PRESERVATION

The metal preservation properties of Lanolin date back to ancient times. With modern refinement methods, Pirtek Protect offers you a product that can assist in so many ways. Machined, fabricated or ground components can be hermetically sealed against oxidization.

Benefits:

- Hermetic component preservation
- Remains pro-active
- Resists acid etching
- Great anti-seize properties
- Non-toxic lanolin film
- Easy clean up

Technical:

- Remove all oxidation or existing scale (e.g. wire brush)
- All surfaces must be dry and clean prior to coating
- Due to its pro-active properties, Pirtek Protect's protective coating will remain operative until removed
- A thin film of Pirtek Protect should be applied to all metal surfaces prior to storage. Lambswool pads may also be used to apply spray to components
- Pirtek Protect Products will preserve all joints and fittings for ease of servicing
- Clean off with steam cleaner or hot soapy water wash above 60°C

WELDING

Pirtek Protect can save you many hours of lost production time by taking away those annoying and costly problems of Spatter!!! Also helps preservation of weld seams and plating.

Benefits:

- Reduction of embrittlement
- Base metal protection
- Component anti-spatter release agent
- Anti-spatter agent for fabrication workbenches
- Spatter release agent for welding head
- Reduces hydrolysis
- Easy to remove (Hot water wash above 60°C)

Technical:

Pirtek Protect is recommended for all welding situations

- For MIG shields, dip the heated end of the hand-piece in Protect to prevent spatter adhesion. Repeat as necessary
- All Pirtek Protect should be left for 30 seconds to allow the hydrocarbon solvent to evaporate prior to welding
- Pirtek Protect should only be applied while welds are still hot (but only if weld surface temperature is ≤ 195°C)
- For best results the ideal application temperature is above 65°C
- Pirtek Protect can penetrate up to 10 microns in mild steel at approximately 65°C.

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LANOLIN PROTECT
RECOMMENDED APPLICATIONS

MARINE COATING

Benefits

Hull protection:

Pirtek Protect is not and has no anti-foul qualities, but will reduce water drag factors

An ideal marine coating because of its proven ability to resist acid etching, i.e. barnacles. Subsequent re-application requires no special hull treatment such as sanding/grinding etc. Slipway or hardstand time is reduced due to the saving in preparation and spray application time

Virtually eliminates electrolysis – a little spray will stop this expensive killer

Drastically reduces bacterial attachments, thereby saving our waterways from the toxic cocktails caused by some traditional anti-fouls

Resistant to acid etching

Base metal penetration

Pro-active ability

Reduces hydrolysis

Also good for:

Outboard legs Sail Drives Bow Thrusters

Stern Drives Log Spigots Intake Pick-up Grates

Propellors

Buoys

Preparation

All equipment which has been in sea water, should first be washed down with liquid chlorine (3:1).

All boat hulls must be washed down with liquid chlorine (3:1) to kill any microscopic spore.

Fibreglass hulls: For new or previously untreated hulls a Gelcote sealer should be applied if one has not been applied previously, prior to applying Pirtek Protect. The surface must be CLEAN and DRY. Pirtek Protect should not affect the Gelcote sealer used on fibreglass hulls and there have been no reported instances were Pirtek Protect has reacted with a Gelcote sealer coating. If you are unsure about applying Pirtek Protect it is recommended that an inconspicuous section be coated to test for reactivity. If reaction occurs please do not apply Pirtek Protect.

Aluminium hulls: The surface must be CLEAN and DRY. If heavy oxidation exists, remove with aluminium cleaner, and then apply Pirtek Protect.

Previously anti-fouled hulls: Remove marine growth and loose anti-foul particles thoroughly. Surface must be CLEAN and DRY before application of our Pirtek Protect

Propellors: Clean propellor or fitting back to base metal and wash with a liquid pool chlorine at 3:1 ratio to kill any microscopic spore. (very important)

Application

Pirtek Protect Coating can be applied by:

(a) Sprays (including airless)

(b) Roller or brush

Generally 1 or 2 coats are sufficient.

Always allow evaporation time between coats and before launching. Remember Protect always remains tacky until submerged

Propellors: It is preferable to heat the metal to between 65°C to 100°C. Liberally apply Pirtek Protect Grease directly onto the hot components and rub in where practical.

Re-application

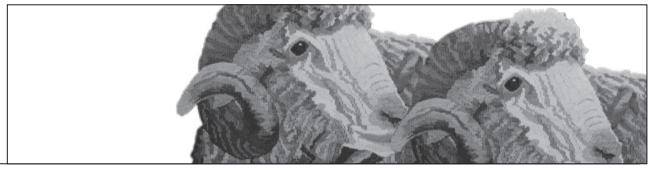
Clean off with steam cleaner or hot pressure wash. Surface may be cleaned by using Surface Prep or by hand scrubbing with hot water above 60°C.

When CLEAN and DRY, re-apply as per instructions

Maintenance

All moored hulls MUST be visually inspected, and the hull wiped down every 4– 6 weeks if required.

LANOLIN PROTECT
RECOMMENDED APPLICATIONS



AROUND THE HOME

Pirtek Protect products are ideal in the mining environment because they provide what is effectively a hermetic seal or encapsulation of the targeted equipment. This protective film offers:

- Stop squeaks from hinges on gates, doors and children's toys
- Having trouble again with that key in a padlock or door one, quick squirt protects and lubricates for long periods
- Lubricate sliding doors to restore smooth action
- Oil the bike chain and coat the bike preventing rust, Pirtek Protect works as well as a polish without the elbow grease
- Rejuvenate those dried out seals on pool pumps and filters
- Lubricate tracks for garage doors ensuring trouble free operation
- Protect your valuable tools from rust and corrosion
- Release those rusted up nuts and bolts in seconds

Antennas / aerials

Due to the composition of dissimilar metals and high thermal cycling rates, antennas / aerials can benefit greatly from an application of Pirtek Protect, especially in severe corrosive environments.

Benefits

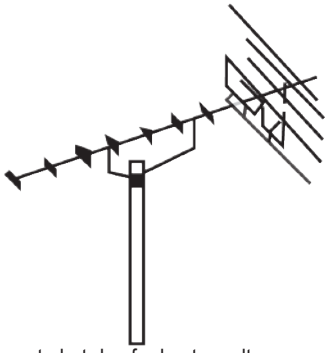
Penetrates joints

Penetrates base metals

Reduces electrolysis

No seizing of fittings

The oxidization process is retarded



Technical

- Remove all flaking and oxidation with a wire brush.
- Apply Pirtek Protect to the antenna installation.
- Before application all components must be dry and should be carried out on a warm to hot day for best results.
- Pirtek Protect can be used as an anti-seize during installation on all bolts and nuts to protect and extend the life of your antenna.
- Non-conductive to 70KV but will not impede electrical contacts

TST1210
THREAD SEALING TAPE

Product Code	Description	Dimensions
TST1210	PTFE thread sealing tape - Pack of 10 rolls	12 mm Wide x 10 mtr long

- White in colour
- Compatable with hydraulic fluids, air, water and most chemicals
- Temperature range -100°C to +250°C
- Pressure rating up to 2,500 psi for higher pressures use IAS57 (rated up to 10,000 psi)

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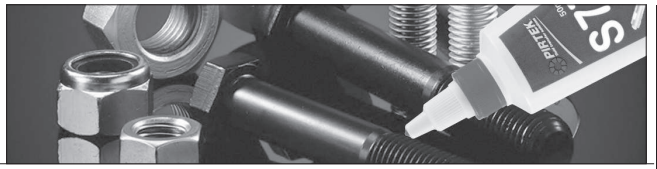

Threadlockers :

Product Codes:

IAT43 in 10 ml and 50 ml bottles

Medium Strength Blue IAT43 Nut Lock

Description

Protect IAT43 is an anaerobic formulation designed to be used on parts in an "As Received" condition, such as those with protective films (oils) etc.

Applications

Designed for direct application onto as received parts where a light oily film exists or where surrounding parts contamination is a problem in maintenance

Useful Hint

Where possible, remove thick deposits of grease or dirt, however IAT43 will penetrate the film once it has been tightened

Properties

Use as a conventional medium strength Locker on cleaned parts with strengths up to 12N/mm² or as a convenient all purpose locker on oily parts with 8-10/mm² typical strength depending on oil type and film

Procedure for Application

Product is normally hand applied from the bottle. Full cure time 24 hours

Compatible Accelerators / Primers

Not recommended

Technical Features

Resin… … … … … … … .Mod Methacrylate
Colour… … … … … … … Blue Thixotropic
Cure Speed… … … … … <15 mins @ 20°C
Viscosity…… … … … … .. . ..… 2500-5000
Thixotropic Gap Fill… ….. ... ..… 0.1mm
Flash Point… … … … … … … … .>85°C
Life… … … … … … ..12 months @ 20°C
Specific Gravity… … … … … ..… … … 1.04
Max. Operating Temp. . …-53°C to + 150°C

Threadlockers:

Product Codes:

IAT77 in 10 ml and 50 ml bottles

High Strength Red IAT77 Stud Lock

Description

IAT77 is an anaerobic locking compound in the form of a viscous paste and it is used to give high strength locking action

Applications

Mostly for fasteners of 25 mm (1" size) and above. Examples include

· Studs on Pressure Vessels
· Studs on Locomotive Units
· Hydraulic Studs on Presses
· Rock Crusher Studs
· Crawler Track Studs

Useful Hint

To speed cure or to help cure in cold conditions, use IA471 Activator on parts

Properties

High Torque: 23.7 N-m (210 ins. lbs)

Breakloose / Prevailing Torque: 34 N-m on rotation through 180 degrees

Procedure for Application

Product is normally hand applied from the bottle. Ensure parts are clean, dry and free from oil and grease

Compatible Accelerators / Primers

IAA471 Activator can be used, but up to 30% strength reduction may be incurred

Technical Features

Resin: … … … … … … … ... Dimethacrylate
Colour: … … … … … … … … … ..... Red
Fixture Speed with Activator: <10 mins/6 hours
Cure Speed without Activator: .1 hour/24 hours
Viscosity: … … … … … … … … .... 6500 cps
Gap Fill: … … … … … … … … … … ... 0.010"
Flash Point: … … … … … … … … . >85°C
Shelf Life: … … … … .... 12 months @ 20°C
Specific Gravity: … … … … … ..... … . 1.10
Max. Operating Temp. ..… . -50°C to +150°C

Surface Preparation:

Product Code:

IAA471-200 in 200 ml Aerosol

Structural Activator for Anaerobics

Description

IAA471 Aerosol assists in speeding up the cure time of all anaerobic fluids and pastes and extends the cure through volume (especially suited to Pirtek Protect IAT43 and IAT77 threadlockers).

Applications

Use IAA471 when materials are inactive (plastics or passivated metals) or where temperature is under 15°C.

Physical Properties

Standard Grade Solvent:… ... .Heptane Based
Evaporation:… … … … … ... ...60 seconds
Flammability:… … … … … ... ...Flammable

Technical Features

Odour ... ... Characteristic Odour
Viscosity ... ... Non-Viscous
Flash Point: … … … … … … … … … ... 17°C
Boiling Point ... ...56-57°C
Flash Point ... ... -17 °C
Solubility in Water ... ... Slightly Soluble

Consult Pirtek for MSDS Sheets for all Industrial Assembly Products

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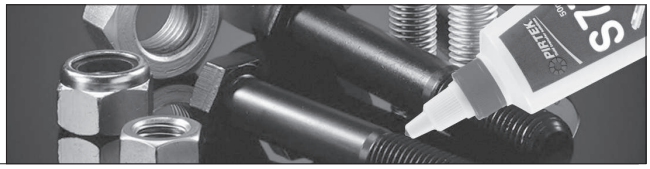

Sealing & Gasketing :

Product Codes:

IAS69 in 50 ml bottle

High Strength Hydraulic Sealant - Brown

Description

IAS69 Hydraulic Seal is an anaerobic liquid which cures to form a tough, high pressure seal on all types of threaded couplings used on low, medium and high pressure lines

Applications

IAS69 is used for all types of hydraulic connections, sealing against typical pressure line ratings. Use Hydraulic Seal to fit valves, threaded couplings, adaptors, quick disconnect parts, compression fittings and vibration proofing joints. Designed for direct application onto as received parts where a light oily film exists or where surrounding parts contamination is a problem in maintenance

Useful Hint

For fast cure, clean parts and apply local heat to joints with a heat gun or soft flame

Properties

IAS69 is tolerant of a light oil film. Seals up to 400bar, 20mm fittings, and makes vibration proof joints

Procedure for Application

Product is normally hand applied from the bottle. Ensure parts are clean, dry and free from oil and grease. Full cure in 12 hours

Compatible Accelerators / Primers

IA471 Activator can be used, but up to 30% strength reduction may be incurred

Cured Performance

ISO10964 Break/Prevailing Strgth.. 15/≥8 N.m

DIN54454 Break/Prevail.. Strgth.24/15-35 N.m

Technical Features

Resin……..……..Dimethacrylate

Colour……...……Brown

Cure Speed With Activator…..…..<5 minutes

Cure Speed Without Activator…10-20 minutes

Brookfield RVDVII + @ 20C.

Spindle 5 @ 20rpm…..……400 to 800cps

Gap Fill……0.05mm to 0.25mm

Flash Point……...…..>100°C

Shelf Life…..……12 months @ 20°C

Specific Gravity……...……..1.06

Max Operating Temp. ... . -55°C to + 150°C

Sealing & Gasketing:

Product Codes:

IAS72 in 50 ml tube

Low Pressure Pipe Seal - White

Description

IAS72 White Pipeseal is an instant low pressure sealant for fine and coarse threads up to 2" in diameter. S72 does not fully cure until some 60 hours after application, allowing re-alignment of elbows and joints

Applications

Replaces tapes and dopes, stops gas and fluid leaks on most metals and assists in lubricating during assembly. IAS72 will not shred or tear which would contaminate your system. Use IAS72 to seal against oils, gases, chemicals, water, steam etc.

Useful Hint

Wipe threads with clean shop cloth. Apply a continuous bead to 3rd or 4th thread depending on the thread length

Properties

Instantaneous low pressure seal. No locking action up to 48 hours. Easy break loose allowing re-alignment

Procedure for Application

Ensure parts are clean, dry and free from oil and grease. Degreasing directly assists results

Compatible Accelerators / Primers

Not recommended

Technical Features

Resin……..……..Dimethacrylate

Colour……White Paste

Cure Speed w/ Activator...Not Recommended

Cure Speed W/out Activator…..Up to 60 hours

Viscosity …..……..….20,000cps

Gap Fill……...……...0.4mm

Flash Point……..……..>85°C

Shelf Life……..……12 months @ 20°C

Specific Gravity……...……..1.25

Max Operating Temp. …….-55°C to + 150°C

Sealing & Gasketing:

Product Code:

IAS55 in 50 ml tube

Designer Gasket - Purple Paste

Description

Flange Seal Type IAS55 is a purple, smooth, thick paste. Easily applied, it cures once confined between the parts to form in place a tough, flexible gasket. IAS55 gives an instant low pressure seal

Applications

IAS55 is used for fuel and water pumps, split crank cases on engines, gearbox covers, engine thermostats, air compressor end caps, engine timing cam covers onto blocks, pump couplings, fuel tanks on small implements, chainsaws, lawn mowers etc. Use IAS55 for dressing gaskets, spacers etc.

Useful Hints

Where gap size is large or where the surface is uneven, apply IA471 Activator to help the product cure through volume. IAS55 can be roller coated, screen printed, traced or pad applied.

Properties

Instant low pressure sealant. Forms any size or shape. Will not shrink or relax. IAS55 is flexible and will not crack

Procedure for Application

Product is normally hand applied from the tube. Ensure parts are clean, dry and free from oil and grease

Compatible Accelerators / Primers

IA471 Activator can be used, but up to 20% strength reduction may be incurred

Cured Performance

Full Cure Time:……...……12 hours

Tensile Strength:……...……..8 N/mm^2

Static Shear Strength……..……12.5 N/mm^2

Technical Features

Resin……..……Modified Urethane Acrylate

Colour…...……...Purple Paste

Cure Speed With Activator…..... .<2 hours

Cure Speed Without Activator...Up to 12 hours

Viscosity ……..……>1,000,000cps

Gap Fill…….....……..……..0.5mm

Flash Point…….....……>100°C

Shelf Life……..……..12 months @ 20°C

Specific Gravity…....……1.10

Max Operating Temp. ……-55°C to + 150°C

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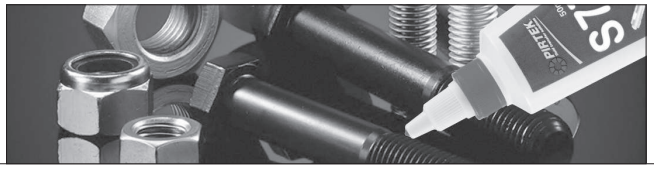
INDUSTRIAL ASSEMBLY PRODUCTS
REFER PIRTEK FOR MSDS SHEETS



Sealing & Gasketing :

Product Codes:

IAS77 in 50 ml tube

High Strength Gas Pipe Seal - Yellow

Description

Protect IAS77 is a high viscosity thixotropic gel paste which cures rapidly, sealing instantly to 100 psi through its anaerobic cure system in contact with metals in the absence of air (oxygen). When fully cured it resists pressure up to 10,000 psi. IAS77 is not suitable for oxygen systems. AGA Approved 7604G

Applications

Typical applications are in sealing of all types of threaded connections against water, oil, gases and most common materials conveyed by pipes

Useful Hint

When cure speed is extended due to low temperatures or inactive surfaces, activator can be used. Best results are found if IAS77 is applied to 2nd or 3rd threadform. Excess can be wiped away, any migration into lines will not solidify and can be flushed away during commissioning

Properties

Fast cure to fixture usually <15 mins. @ 20°C

Temperature range: -50°C to +150°C

Typical Strength: 5 N/mm^2

Sizes 6mm up to 75mm (coarse)

Increase of gap size or fit extends the cure time

Procedure for Application

Product is normally hand applied from the bottle. Ensure parts are clean, dry and free from oil and grease. Full cure 6-12 hours

Compatible Accelerators / Primers

IA471 Activator can be used, but up to 30% strength reduction may be incurred

Technical Features

Resin: ……..Dimethacrylate

Colour: ……Yellow

Cure Speed with Activator: ……<10 minutes

Cure Speed w/o Activator:...<15 mins @ 20°C

Viscosity: ……>50,000 cps

Gap Fill: ……..0.05mm to 0.4mm

Flash Point: ……>100° C

Shelf Life: ……12 months @ 20°C

Specific Gravity: ……..1.09

Max. Operating Temp. ……+150°C

Sealing & Gasketing:

Product Codes:

IAS57 in 50 ml tube

PTFE Instant Pipe Sealant

Description

Protect IAS57 Instant Pipe Sealant is an easy to use anaerobic pipe sealant which sets fast to give an instant low pressure seal of 100 psi and a high pressure seal of 10000 psi when fully cured. This high strength product provides 100% sealing capability and does not shrink after curing, unlike more traditional solvent based pipe dopes.

Applications

IAS57 Instant Pipe Sealant with Teflon lubricates parts during assembly. The cure system allows for realignment of parts up to 24 hours from application. This product can be used on most hydraulic, pneumatic, oil, water and gas connections.

Useful Hint

Ensure parts are clean, dry and free from oil and grease.

Cured Performance

Full Cure Time:……..24 hours @ 20°C

Shear Strength……..10000 psi

Procedure for Application

Product is normally hand applied from the tube or brushed directly onto threaded parts. Primers such as IA471 (Standard Anaerobic Activator) can be used. However up to 20% strength loss can occur when using accelerators.

Technical Features

Resin ..... Dimethacrylate

Colour ……White

Fixture Speed w/Activator……<10mins

Fixture Speed w/out Activator……..4 hour

Visco……..300,000 – 400,000cps

Gap Fill……..0..254mm

Shelf Life……12 months @ 20°C

Max. Operating Temp. .....-54°C to + 200°C

Retaining:

Product Code:

IAR41 in 10 ml and 50 ml bottles

Medium Strength Bearing Fit - Yellow

Description

Bearing Fit IAR41 is a single part anaerobic securing compound, designed for fitting cylindrical metal assemblies and cures when confined between the parts

Applications

Protect IAR41 will secure all types and sizes of bearings, shafts and cylindrical parts which will require disassembly in the future. IAR41 is of medium strength and is colour coded yellow for job identification

Useful Hint

To speed cure or to help cure in cold conditions, use IA471 Activator on parts

Properties

Fast cure usually <15 mins. @ 20°C

Medium strength removable compound

Typical Strength: 12 N/mm^2

Procedure for Application

Product is normally hand applied from the bottle. Ensure parts are clean, dry and free from oil and grease. Full cure 12 hours

Physical Properties

Standard Grade Solvent:.....Heptane Based

Resin……..Mod. Dimethacrylate

Colour……Yellow

Cure Speed With Activator……<5 minutes

Cure Speed Without Activator....10-15minutes

Viscosity……1500 cps

Gap Fill……0.2 mm

Flash Point……>100°C

Shelf Life……12 months @ 20 C

Specific Gravity……1.06

Operating Temp……-55°C to + 150°C

Consult Pirtek for MSDS Sheets for all Industrial Assembly Products

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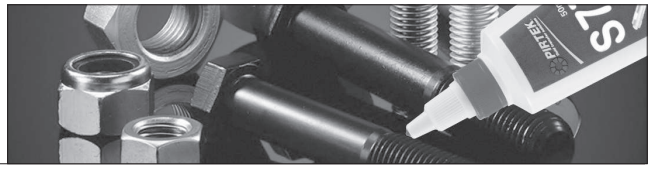

Retaining :

Product Codes:

IAR62 in 10 ml and 50 ml bottles

High Strength / High Temperature

Description

IAR62 Retainer is rated up to 232°C as the upper operational temperature and is designed for bonding/securing in a high strength manner, all types of cylindrically fitted parts

Applications

Protect IAR62 is used on all types of applications where temperatures exceed the design features of conventional Retainers, above 150°C. It develops high strength at elevated temperatures.

Useful Hint

Speed cure IAR62 by applying a localised heat with a heat gun or by placing parts in an oven @ 100°C for 30 minutes. Pre-heating of parts also accelerates the fixture and ultimate final cure

Properties

Good gap fill ability. Elevated upper temperature limits. Resistant to 3000 psi shear

Procedure for Application

Product is normally hand applied from the bottle. Ensure parts are clean, dry and free from oil and grease. Full cure in 24 hours

Compatible Accelerators / Primers

IA471 Activator can be used, but up to 30% strength reduction may be incurred

Cured Performance

Typical Breakaway Strength:……..20 N/mm^2

Technical Features

Resin……Mod. Dimethacrylate

Colour……Green

Cure Speed With Activator……..10 minutes

Cure Speed Without Activator…… .30 minutes

Viscosity……7000 cps

Gap Fill……0.4 mm max.

Flash Point……>85°C

Shelf Life……12 months @ 20 C

Specific Gravity……1.08

Max. Operating Temp……-55°C to + 232°C

Instant Bonding:

Product Codes:

IACA41 in 25 ml bottle

Quick Bonding

Description

IACA41 is a hybrid quality Cyanoacrylate which is surface insensitive and bonds to a wide variety of materials including wood, paper, cardboard, leather, fabrics etc. Bond times vary according to the substrates but are generally faster than normal superglues

Applications

Typical applications include wood trim on furniture, balsa wood bonding for hobbyists, leather accessories on shoes, fabric bows on shoes and lampshade bonding.

Other features include versatile bonding or most elastomers, metals and plastics

Useful Hint

On elastomer bonding and some plastics, residues or release agents on surfaces should be removed by wiping with a solvent cleaner

Properties

Steel to Steel:……20 N/mm^2

Rubber to Rubber ……..:……..10 N/mm^2

Plastic to Plastic ……15 N/mm^2

Procedure for Application

Ensure parts are clean, dry and free from oil and grease. Apply sparingly to one side and hold parts until handling strength is achieved (typically less than 15 seconds)

Compatible Accelerators / Primers

Primers such as A021 or Double Strength A113 as accelerators for fillet cure for priming absorbent surfaces (available from Pirtek to order)

Technical Features

Resin……Modified Ethyl

Colour……Clear

Cure Speed W/ Activator..Not Recommended

Cure Speed W/o Activator……. <10 seconds

Viscosity……120cps

Gap Fill……0.1mm

Flash Point……>85°C

Shelf Life……..12 months @ 20°C

Specific Gravity……1.05

Operating Temp. ……-60°C to + 80°C

Instant Bonding:

Product Code:

IACA60 in 25 ml bottle

High Strength Instant Adhesive

Description

IACA60, when compared to other low viscosity Cyanoacrylates, outperforms most products for cure speed, final cured strength and simply the wide range of difficult plastics and elastomers it can bond

Applications

For example, Nitrile, Neoprene and natural rubbers can be bonded in 1-2 seconds and all the bonds are stronger than the material itself. Plastics such as ABS, soft PVC, Polyacetal, EPT and EVA all bond in 1-2 seconds and the bonds are stronger than the material being bonded. Metals such as steel, aluminium, copper and brass all bond in under 5 seconds and the bond strengths are superior to other manufacturers low viscosity products

Useful Hints

Slower cures of up to 12 seconds are found on Polymethyl Methacrylate (PMMA), Bakelite, Polycarbonate and Viton rubber. Polyolefins can be treated with special preparations. Consult Pirtek re Product Data Sheet 25 when dealing with these difficult plastics

Properties

Speed: Plastics (most) .....<2 seconds

Rubbers (most) .....<4 seconds

Metals ..... <5 seconds

Strength:……Plastics to substrate failure

.....Rubbers to substrate failure

.....Metals >30 N/mm^2 (Shear 15 N/mm^2)

Procedure for Application

For best results, degrease/abrade and make sure the surfaces are clean and free from dirt, dust and contamination such as mould release agents. Apply a thin film or drop to one surface only and bring parts together holding firmly for a few seconds until the parts achieve a handling strength. Remember one drop bonds about 25mm^2 and a 25 ml bottle has about 200 drops. 24 hours for full cure

Compatible Accelerators / Primers

Primers such as A021 or Double Strength A113 as accelerators for fillet cure for priming absorbent surfaces (available from Pirtek to order)

Technical Features

Resin……Modified Ethyl CA

Colour……Clear

Cure Speed With Activator……Instant

Cure Speed Without Activator…… 1-5 seconds

Viscosity……20cps

Gap Fill…… 0.1 mm

Flash Point……>85°C

Shelf Life……12 months @ 20°C

Specific Gravity……1.06

Max. Operating Temperature……-60°C to + 90°C

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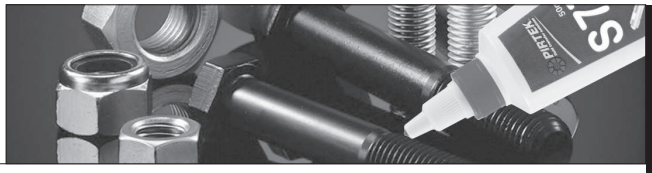

TDS198 EPOXY :

Product Codes:

IATDS198 in 180 mm x 20 mm Rod

Aluminium Stick - Epoxy Putty

Description

A hand kneadable, speciality epoxy putty that mixes in one minute to provide fast, permanent repairs to most aluminium surfaces. When applying it to surfaces it is necessary to work the material forcefully into the surface and apply pressure until adhesion begins to take effect. Lower temperature causes longer cure time. The handy rod form has the curing agent encapsulated in the contrasting colour base material. It's putty-like consistency eliminates drips and runs, providing "no mess" application with no tools required to use. The mixed epoxy turns from a silvery colour to "Alloy" upon curing and will not yellow upon exposure to UV light. After final cure, Aluminium Stick may be drilled, sawed, tapped, filed, sanded and painted. It allows patching in areas where welding is impossible

Applications

After proper mixing, Aluminium Stick moulds like clay and may be used to permanently patch dents, scratches, cuts, gouges and holes in items such as housings and all types of repairs to mouldings and injection type shapes. Aluminium Stick is ideal for making emergency repairs to reforming, rebuilding and patching anything made out of aluminium such as HVAC parts, refrigeration units, air conditioning units, machine parts, alu-roofing, flagpoles, shelving, platforms, walkways, campers, vehicles, canopies, gutters, truck bodies, wheels, manifolds, stripped threads, marine hardware and casings

Useful Hint

Mixing: Twist or cut off required amount. To mix, knead with fingers to a uniform colour. If mixing is difficult, warm the stick to room temperature or slightly above. Apply to the surface to be repaired (within 2 minutes of mixing). The mixed epoxy does not exhibit high bond strength at this point, but appears to be merely lying on the surface.

Force into any cracks or holes to be filled and strike off excess material, preferably with a tool wetted with clean water. Work the material forcefully into the surface and apply pressure until adhesion begins to take effect.

For a smooth appearance, hand rub with water or a damp cloth prior to hardening. Remove excess material before hardening begins. After 15-20 minutes the epoxy will harden like metal and start to form a tenacious bond. After just 45 minutes IATDS198 is completely cured and can be drilled, sawed, carved, sanded, stained or painted

Properties

Opening Time: ……..... 5 minutes
Max. Temp Resistance:…..... 120°C (150°C intermittent)
Initial Cure: ……..... 1 hour max.
Full Cure Time: ……..... 24 hours
Lap Shear Strength (Steel):…..... . 4.8 N/mm^2
Shore D Hardness: ……..... 70/80
Compressive Strength: …..... 84 N/mm^2 - 12,000 psi

Procedure for Application

Surface should be cleaned free of grease or dirt. Scuffing or sanding the surface prior to cleaning helps to ensure a good bond

Technical Features

Resin: …….. Epoxide Light Silver
Epoxy Resistance: ..... Hydrocarbons, ketones, esters, halo-carbons, alcohols, aqueous salt solutions and dilute acids and bases
Electrical Resistance: …..... 30,000 mega Ohms
Dielectric Strength (Steel):…..... 300 Volts/mil
Shrinkage: ……..... <1%
Non-Volatile Content: ……..... 100%
Shelf Life: ……..... >6 months @ 25°C

TDS252 EPOXY:

Product Codes:

IATDS252 in 180 mm x 20 mm Rod

Steel Stick - Epoxy Putty

Description

Steel Stick is a hand kneadable, non rusting, steel reinforced epoxy putty that mixes in one minute to provide fast, permanent repairs to items made of ferrous and aluminium metals. It comes in a handy rod form with the curing agent encapsulated in the contrasting colour base material. It's putty-like consistency eliminates drips and runs, providing "no mess" application with no tools required to use. Steel Stick is black in colour after use.

Applications

After proper mixing, Steel Stick moulds like clay and may be used in many industrial and home Maintenance applications, including repair of iron pipes, tanks, tools and equipment, repair blow holes, holding and placement of fixtures and signs, repairs to moulds, patterns and castings, making prototypes, threadlocking, repair cracked castings, repairs to down spouts and gutters, light fixture installations, repairs to duct-work, anchor bolts, as well as countless other uses. The unused portion of Steel Stick will remain stable for years if protected from direct contact with the air, in cool conditions.

Useful Hint

Mixing. Twist or cut off required amount. To mix, knead with fingers to a uniform colour. If mixing is difficult, warm Steel Stick to room temperature or slightly above. Apply to the surface to be repaired (within 2 minutes of mixing). The mixed epoxy does not exhibit high bond strength at this point, but appears to be merely lying on the surface. Force into any cracks or holes to be filled and strike off excess material, preferably with a tool wetted with clean water. When applying to a damp, wet or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect. For a smooth appearance of the cured compound, hand rub with water or a damp cloth prior to hardening. Remove excess material before hardening begins. After 15-20 minutes the epoxy will harden like metal and start to form a tenacious bond. After just 45 minutes Steel Stick is completely cured and can be drilled, sawed, carved, sanded stained or painted.

Properties

Opening Time: …….....….3.5 minutes
Max. Temperature Resistance:.....120°C (150°C intermittent)
Initial Cure: …….....…1 hour max.
Full Cure Time: …….....24 hours
Lap Shear Strength (Steel):…..... 6.2 N/mm(2)
Shore D Hardness: …….....…..80
Compressive Strength: …….....…84 N/mm(2) - 12,000 psi

Procedure for Application

Surface should be cleaned free of grease or dirt. Scuffing or sanding the surface prior to cleaning helps to ensure a good bond

Technical Features

Resin: …….....……...Epoxide
Chemical Resistance: ..Hydrocarbons, ketones, esters, halo-carbons, aqueous salt solutions and dilute acids and bases
Electrical Resistance: …….....30,000 mega Ohms
Dielectric Strength (Steel):….....300 Volts/mil
Shrinkage: …….....<1%
Non-Volatile Content: ….....…100%
Shelf Life: …….....…….>6 months @ 25°C

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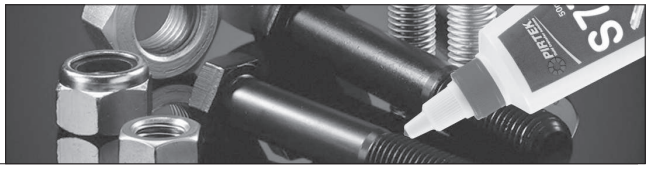

Silicone Sealant:

Product Codes:

IASIL in 300 ml Tube
High Temperature Silicon - Black

Description

IASIL RTV Silicone is a one part, easily applied, paste-like sealant that cures to form a high purity elastomer on exposure to atmospheric moisture. No primers or accelerators are needed. When cured, it resists most chemicals, high temperatures and exhibits excellent mechanical properties

Applications

All applications where a non-sag sealant of exceptional longevity is required to bond glass, metals, ceramics, wood stone etc. IASIL eliminates leakage, reduces noise, absorbs vibration, seals and bonds parts into a secure unit.

Useful Hint

Where surfaces require only a single sided bond, it is possible to treat the side not requiring adhesion with a release agent or simply apply petroleum jelly or oil. When cured torque up the parts to form a compressive seal

Properties

Cure rate is 3mm in 24 hours but is humidity and temperature dependant. The rate of cure can be accelerated by increasing the temperature (70°C max.) and increasing the humidity levels

Procedure for Application

Product is normally hand applied from the cartridge. Ensure parts are clean, dry and free from oil and grease. Full cure in 24 hours

Compatible Accelerators / Primers

Products are available to order for difficult surfaces. Please consult Pirtek

Cured Performance

Full Cure Time: ……..24 hours maximum

Tensile Strength: ……. ..200 psi

Hardness : ……..35 Shore A

Elongation : ……307%

Technical Features

Resin: ……Oxime Silicone
Colour: …… Black
Cure Speed: …… ……Skin 5 mins
Shelf Life: ……9-12 months unopened
Specific Gravity: ……1.42
Operating Temperature: ……-65°C to +260°C

Aluminium Anti-Sieze Lubricants:

Product Codes:

IAAA 500g Tub
AluminiumAnti-Sieze-HighTemp.+871°C

Description

IAAA Aluminium-Graphite Anti-Seize paste consists of uniform, fine flaked particles in a special blend of lubricants and oils. It is ideal for use on a on a wide range of industrial products to prevent seizing, galling and excessive wear.

Applications

Can be used on nuts, bolts screws, pipe threads, O-rings, shafts and hubs. Typical applications include conveyor systems, gear boxes,chains, cams, u-joints, sprockets and tracking.

Protects up to +980ºC

Prevents seizing and galling of metals

Protects against harsh and corrosive environments

NotethatIAAAisnotahighspeedloadcarryinglubricant and is not recommended for ball or roller bearings.

On Part Performance

Temperature:……–53ºC up to +871ºC

Water Resistance:……Excellent

Corrosivity:……Very Low

Protection Level:……Salt Water, Chemicals

Procedure for Application

Ensure parts are clean and dry, then simply apply by brush to provide instant protection.

Technical Features

Base……Highly Modified Synthetic Oil
Additives:……Copper, Graphite, Aluminium, Anti Corrosion Properties
Shelf Life:……1½ Years
Consistency:……Paste
Viscosity ……120K - 175K
Lubricity ..k Factor …… 0.18
Coefficient of Friction ……0.07 from 20°C to +760°C
Specific Gravity:……app 1.3
Flash Point:……>+150ºC
Texture:……Smooth Paste

Meets or exceeds the requirements of MIL-A-907E specification and conforms to GM -6108M

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TECHNICAL DATA

CHEMICAL RESISTANCE TABLE - ANAEROBICS

Legend:
G = Good
C = Conditional
U = Unsatisfactory
- No Data

AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Abrasive Coolant	G	G	G	G	G
Acetaldehyde	G	G	G	G	G
Acetate Solvents	G	G	G	G	G
Acetimide	G	G	G	G	G
Acetic Acid	G	G	G	G	G
Acetic Acid <10%	G	G	G	G	G
Acetic Acid >10%	-	-	-	G	-
Acetic Acid - Glacial	G	G	G	G	G
Acetic Anhydride	G	G	G	G	G
Acetone	G	G	G	G	G
Acetylene (Liq. Phase)	G	G	G	G	G
Acid Clay	G	G	G	G	G
Acrylic Acid	G	G	G	G	G
Acrylonitrile	G	G	G	G	G
Activated Alumina	G	G	G	G	G
Activated Carbon	G	G	G	G	G
Activated Silica	G	G	G	G	G
Alcohol - Allyl	G	G	G	G	G
Alcohol - Amyl	G	G	G	G	G
Alcohol - Benzyl	G	G	G	G	G
Alcohol - Butyl	G	G	G	G	G
Alcohol - Ethyl	G	G	G	G	G
Alcohol - Furfuryl	G	G	G	G	G
Alcohol - Hexyl	G	G	G	G	G
Alcohol - Isopropyl	G	G	G	G	G
Alcohol - Methyl	G	G	G	G	G
Alcohol - Propyl	G	G	G	G	G
Alum - Ammonium	G	G	G	G	G
Alum - Chrome	G	G	G	G	G
Alum - Potassium	G	G	G	G	G
Alum - Sodium	G	G	G	G	G
Alumina	G	G	G	G	G
Aluminium Acetate	G	G	G	G	G
Aluminium Bicarbonate	G	G	G	G	G
Aluminium Bifluoride	G	G	G	G	G
Aluminium Chloride	G	G	G	G	G
Aluminium Sulfate	G	G	G	G	G
Ammonia Anhydrous	U	U	U	U	U
Ammonia Solutions	U	U	U	U	U
Ammonium Bisulfite	G	G	G	G	G
Ammonium Borate	G	G	G	G	G
Ammonium Bromide	G	G	G	G	G
Ammonium Carbonate	G	G	G	G	G
Ammonium Chloride	G	G	G	G	G
Ammonium Chromate	G	G	G	G	G
Ammonium Fluoride	G	G	G	G	G
Ammonium Fluorosilicate	G	G	G	G	G
Ammonium Formate	G	G	G	G	G
Ammonium Hydroxide	G	G	G	G	G
Ammonium Hyposulfite	G	G	G	G	G
Ammonium Iodide	G	G	G	G	G
Ammonium Molybdate	G	G	G	G	G
Ammonium Nitrate	G	G	G	G	G
Ammonium Oxalate	G	G	G	G	G
Ammonium Persulfate	G	G	G	G	G
Ammonium Phosphate	G	G	G	G	G
Ammonium Picrate	G	G	G	G	G
Ammonium Sulfate	G	G	G	G	G
Amnim. Sulfate Scrubber	G	G	G	G	G
Ammonium Sulfide	G	G	G	G	G

Legend:
G = Good
C = Conditional
U = Unsatisfactory
- No Data

AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Ammonium Thiocyanate	G	G	G	G	G
Amyl Acetate	G	G	G	G	G
Amyl Amine	G	G	G	G	G
Amyl Chloride	G	G	G	G	G
Aniline	G	G	G	G	G
Aniline Dyes	G	G	G	G	G
Anodizing Bath	G	G	G	G	G
Antichlor Solution	G	G	G	G	G
Antimony Acid Salts	G	G	G	G	G
Antimony Oxide	G	G	G	G	G
Antioxidant Gasoline	G	G	G	G	G
Aqua Regia	U	U	U	U	U
Argon	G	G	G	G	G
Armeen	G	G	G	G	G
Arochlor	G	G	G	G	G
Aromatic Gasoline	G	G	G	G	G
Aromatic Solvents	G	G	G	G	G
Arsenic Acid	G	G	G	G	G
Asbestos Slurry	G	G	G	G	G
Ash Slurry	G	G	G	G	G
Asphalt Emulsions	G	G	G	G	G
Asphalt Molten	G	G	G	G	G
Bagasse Fibers	G	G	G	G	G
Barium Acetate	G	G	G	G	G
Barium Carbonate	G	G	G	G	G
Barium Chloride	G	G	G	G	G
Barium Hydroxide <10%	G	G	G	G	G
Barium Hydroxide >10%	-	-	-	G	-
Barium Sulfate	G	G	G	G	G
Battery Acid <10%	G	G	G	G	G
Battery Acid >10%	-	-	-	G	-
Battery Diffuser Juice	G	G	G	G	G
Bauxite (See Alumina)	G	G	G	G	G
Bentonite	G	G	G	G	G
Benzaldehyde	G	G	G	G	G
Benzene	G	G	G	G	G
Benzene Hexachloride	G	G	G	G	G
Benzene-Hydrochloric Acid	G	G	G	G	G
Benzoic Acid	G	G	G	G	G
Benzotriazole	G	G	G	G	G
Beryllium Sulfate	G	G	G	G	G
Bicarbonate Liquor	G	G	G	G	G
Bilge Lines	G	G	G	G	G
Bleach Liquor	G	G	G	G	G
Bleached Pulps	G	G	G	G	G
Borax (S) Liquors	G	G	G	G	G
Boric Acid	G	G	G	G	G
Brake Fluids	G	G	G	G	G
Brine Chlorinated	G	G	G	G	G
Brine (Cold)	G	G	G	G	G
Bromine Solution	-	-	-	-	G
Butadiene	G	G	G	G	G
Butyl Acetate	G	G	G	G	G
Butyl Alcohol	G	G	G	G	G
Butyl Amine	G	G	G	G	G
Butyl Cellosolve (S)	G	G	G	G	G
Butyl Chloride	G	G	G	G	G
Butyl Ether (Dry)	G	G	G	G	G
Butyl Lactate	G	G	G	G	G
Butyral Resin	G	G	G	G	G

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Butyraldehyde	G	G	G	G	G
Butyric Acid <10%	G	G	G	G	G
Butyric Acid >10%	-	-	-	G	-
Cadmium Chloride	G	G	G	G	G
Cadmium Plating Bath	G	G	G	G	G
Cadmium Sulfate	G	G	G	G	G
Calcium Acetate	G	G	G	G	G
Calcium Bisulfate	G	G	G	G	G
Calcium Carbonate	G	G	G	G	G
Calcium Chlorate	G	G	G	G	G
Calcium Chloride	G	G	G	G	G
Calcium Chloride Brine	G	G	G	G	G
Calcium Citrate	G	G	G	G	G
Calcium Ferrocyanide	G	G	G	G	G
Calcium Formate	G	G	G	G	G
Calcium Hydroxide	G	G	G	G	G
Calcium Lactate	G	G	G	G	G
Calcium Nitrate	G	G	G	G	G
Calcium Phosphate	G	G	G	G	G
Calcium Silicate	G	G	G	G	G
Calcium Sulfamate	G	G	G	G	G
Calcium Sulfate	G	G	G	G	G
Calcium Sulfite	G	G	G	G	G
Camphor	G	G	G	G	G
Carbitol	G	G	G	G	G
Carbolic Acid (Phenol) <10%	G	G	G	G	G
Carbolic Acid (Phenol) >10%	-	-	-	G	-
Carbon Bisulfide	G	G	G	G	G
Carbon Black	G	G	G	G	G
Carbon Tetrachloride	G	G	G	G	G
Carbonic Acid <10%	G	G	G	G	G
Carbonic Acid >10%	-	-	-	G	-
Carbowax (S)	G	G	G	G	G
Carboxymethyl Cellulose	G	G	G	G	G
Carnauba Wax	G	G	G	G	G
Casein	G	G	G	G	G
Casein Water Paint	G	G	G	G	G
Celite	G	G	G	G	G
Cellosolive (S)	G	G	G	G	G
Cellulose Pulp	G	G	G	G	G
Cellulose Xanthate	G	G	G	G	G
Cement DryAir Blow	G	G	G	G	G
Cement Grout	G	G	G	G	G
Cement Slurry	G	G	G	G	G
Ceramic Enamel	G	G	G	G	G
Ceric Oxide	G	G	G	G	G
Chalk	G	G	G	G	G
Chemical Pulp	G	G	G	G	G
Chestnut Tanning	G	G	G	G	G
China Clay	G	G	G	G	G
Chloral Alcoholate	G	G	G	G	G
Chloramine	G	G	G	G	G
Chlorinated Hydrocarbons	G	G	G	G	G
Chlorinated Paperstock	G	G	G	G	G
Chlorinated Solvents	G	G	G	G	G
Chlor Sulphuric Acid	U	U	U	U	U
Chlorinated Wax	G	G	G	G	G
Chlorine Dioxide	U	U	U	U	U
Chlorine Liquid	U	U	U	U	U
Chlorine (Dry)	U	U	U	U	U

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TECHNICAL DATA

CHEMICAL RESISTANCE TABLE - ANAEROBICS

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Chloroacetic Acid <10%	G	G	G	G	G
Chloroacetic Acid >10%	-	-	-	G	-
Chlorobenzene (Dry)	G	G	G	G	G
Chlorosulfonic Acid	U	U	U	U	U
Chrome Acid Cleaning <10%	G	G	G	G	G
Chrome Acid Cleaning >10%	-	-	-	G	-
Chrome Liquor <10%	G	G	G	G	G
Chrome Liquor >10%	-	-	-	G	-
Chrome Plating Bath <10%	G	G	G	G	G
Chrome Plating Bath >10%	-	-	-	G	-
Chromic Acid 10%	G	G	G	G	G
Chromic Acid 50% (Cold)	U	U	U	U	U
Chromic Acid 50% (Hot)	U	U	U	U	U
Chromium Acetate	G	G	G	G	G
Chromium Chloride	G	G	G	G	G
Chromium Sulfate	G	G	G	G	G
Classifier	G	G	G	G	G
Clay	G	G	G	G	G
Coal Slurry	G	G	G	G	G
Coal Tar	G	G	G	G	G
Cobalt Chloride	G	G	G	G	G
Copper Amnim Formate	G	G	G	G	G
Copper Chloride	G	G	G	G	G
Copper Cyanide	G	G	G	G	G
Copper Naphthenate	G	G	G	G	G
Copper Plating(Acid Prcs)	G	G	G	G	G
Copper Plating(Alk Procs)	G	G	G	G	G
Copper Sulfate	G	G	G	G	G
Core Oil	G	G	G	G	G
Corundum	G	G	G	G	G
Creosote	G	G	G	G	G
Creosote - Cresylic Acid	G	G	G	G	G
Cyanide Solution	G	G	G	G	G
Cyanuric Chloride	G	G	G	G	G
Cyclohexane	G	G	G	G	G
Cylinder Oils	G	G	G	G	G
De-Ionized Water	G	G	G	G	G
De-Ionized Water Low Conductivity	G	G	G	G	G
Detergents	G	G	G	G	G
Developer, photographic	G	G	G	G	G
Dextrin	G	G	G	G	G
Diacetone Alcohol	G	G	G	G	G
Diammonium Phosphate	G	G	G	G	G
Diamylamine	G	G	G	G	G
Diatomaceaus Earth Slurr	G	G	G	G	G
Diazo Acetate	G	G	G	G	G
Dibutyl Ohthalate	G	G	G	G	G
Dichlorophenol	G	G	G	G	G
Dichloro Ethyl Ether	G	G	G	G	G
Dicyandamide	G	G	G	G	G
Dielectric Fluid	G	G	G	G	G
Diester Lubricants	G	G	G	G	G
Diethyl Ether Dry	G	G	G	G	G
Diethyl Sulfate	G	G	G	G	G
Diethylamine	G	G	G	G	G
Diethylene Glycol	G	G	G	G	G
Diglycolic Acid	G	G	G	G	G
Dimenthyl Formamide	G	G	G	G	G
Dimethyl Sulfoxide	G	G	G	G	G

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Dioxane Dry	G	G	G	G	G
Dioxidene	G	G	G	G	G
Dipentene - Pinene	G	G	G	G	G
Diphenyl	G	G	G	G	G
Distilled Water(Indust)	G	G	G	G	G
Dowtherm (S)	G	G	G	G	G
Drying Oil	G	G	G	G	G
Dust - Flue (Dry)	G	G	G	G	G
Dye Liquors	G	G	G	G	G
Emery - Slurry	G	G	G	G	G
Emulsified Oils	G	G	G	G	G
Enamel Frit Slip	G	G	G	G	G
Esters General	G	G	G	G	G
Ethyl Acetate	G	G	G	G	G
Ethyl Alcohol	G	G	G	G	G
Ethyl Amine	G	G	G	G	G
Ethyl Bromide	G	G	G	G	G
Ethyl Cellosolve (S)	G	G	G	G	G
Ethyl Cellosolve Slurry(S)	G	G	G	G	G
Ethyl Formate	G	G	G	G	G
Ethyl Silicate	G	G	G	G	G
Ethylene Diamine	G	G	G	G	G
Ethylene Dibromide	G	G	G	G	G
Ethylene Dichloride	G	G	G	G	G
Ethylene Glycol	G	G	G	G	G
Ethylenediamine T	G	G	G	G	G
Fatty Acids	G	G	G	G	G
Fatty Acids Amine	G	G	G	G	G
Fatty Alcohol	G	G	G	G	G
Ferric - Floc	G	G	G	G	G
Ferric Chloride	G	G	G	G	G
Ferric Nitrate	G	G	G	G	G
Ferric Sulfate	G	G	G	G	G
Ferrocence - Oil Sol	G	G	G	G	G
Ferrous Chloride	G	G	G	G	G
Ferrous Oxalate	G	G	G	G	G
Ferrous Sulfate 10%	G	G	G	G	G
Ferrous Sulfate (Sat)	G	G	G	G	G
Fertilizer Sol	G	G	G	G	G
Flotation Concentrates	G	G	G	G	G
Fluoride Salts	G	G	G	G	G
Fluorine/Gaseous/Liquid	G	G	G	G	G
Fluorolube	G	G	G	G	G
Fluosilic Acid	G	G	G	G	G
Flux Soldering	G	G	G	G	G
Fly Ash Dry	G	G	G	G	G
Foam Latex Mix	G	G	G	G	G
Foamite	G	G	G	G	G
Formaldehyde (Cold)	G	G	G	G	G
Formaldehyde (Hot)	-	-	-	-	G
Formic Acid (Dil Cold)	G	G	G	G	G
Formic Acid (Dil Hot)	-	-	-	-	G
Formic Acid (Cold)	G	G	G	G	G
Formic Acid (Hot)	-	-	-	-	G
Freon (S)	-	-	-	-	G
Fuel Oil	G	G	G	G	G
Fuming Nitric Red	U	U	U	U	U
Fuming Sulfuric	U	U	U	U	U
Fuming Oleum	U	U	U	U	U
Furfural	G	G	G	G	G

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Gallic Acid <5%	G	G	G	G	G
Gallic Acid >5%	-	-	-	G	-
Gallium Sulfate	G	G	G	G	G
Gasoline - Acid Wash	G	G	G	G	G
Gasoline - Alk Wash	G	G	G	G	G
Gasoline Aviation	G	G	G	G	G
Gasoline Copper Chloride	G	G	G	G	G
Gasoline Ethyl	G	G	G	G	G
Gasoline Motor	G	G	G	G	G
Gasoline Sour	G	G	G	G	G
Gasoline White	G	G	G	G	G
Gluconic Acid	G	G	G	G	G
Glue - Animal Gelatin	G	G	G	G	G
Glue - Plywood	G	G	G	G	G
Glutamic Acid	G	G	G	G	G
Glycerine Lye - Brine	U	U	U	U	U
Glycerol	G	G	G	G	G
Glycine	G	G	G	G	G
Glycine Hydrochloride	G	G	G	G	G
Glycol Amine	G	G	G	G	G
Glycolic Acid	G	G	G	G	G
Glyoxal	G	G	G	G	G
Gold Chloride	G	G	G	G	G
Gold Cyanide	G	G	G	G	G
Granodine	G	G	G	G	G
Grape Pomace Graphite	G	G	G	G	G
Grease Lubricating	G	G	G	G	G
Green Soap	G	G	G	G	G
Grinding Lubricant	G	G	G	G	G
Grit Steel	G	G	G	G	G
Gritty Water	G	G	G	G	G
Groundwood Stock	G	G	G	G	G
GRS Latex	G	G	G	G	G
Gum Paste	G	G	G	G	G
Gypsum	G	G	G	G	G
Halane Sol	G	G	G	G	G
Halogen Tin Plating	G	G	G	G	G
Halowax (S)	G	G	G	G	G
Harvel - Trans Oil	G	G	G	G	G
Heptane	G	G	G	G	G
Hexachlorobenzene	G	G	G	G	G
Hexadiene	G	G	G	G	G
Hexamethylenetetramine	G	G	G	G	G
Hexane	G	G	G	G	G
Hydrazine	G	G	G	G	G
Hydrazine Hydrate	G	G	G	G	G
Hydrobromic Acid <10%	G	G	G	G	G
Hydrobromic Acid >10%	-	-	-	G	-
Hydrochloric Acid	G	G	G	G	G
Hydrocyanic Acid <10%	G	G	G	G	G
Hydrocyanic Acid >10%	-	-	-	G	-
Hyrdrofluoric Acid	U	U	U	U	U
Hydrogen Peroxide (dil)	G	G	G	G	G
Hydrogen Peroxide(con)	-	-	-	-	G
Hydroponic Sol	G	G	G	G	G
Hydroquinone	G	G	G	G	G
Hypo	G	G	G	G	G
Hypochlorous Acid	G	G	G	G	G
Ink	G	G	G	G	G
Ink in Solvent - Printing	G	G	G	G	G

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Iodine in Alcohol	G	G	G	G	G
Iodine-Potassium Iodide	G	G	G	G	G
Iodine Solutions	G	G	G	G	G
Ion Exchange Service	G	G	G	G	G
Ion Exlcusion Glycol	G	G	G	G	G
Irish Moss Slurry	G	G	G	G	G
Iron Ore Taconite	G	G	G	G	G
Iron Oxide	G	G	G	G	G
Isobutyl Alcohol	G	G	G	G	G
Isobutyraldehyde	G	G	G	G	G
Isooctane	G	G	G	G	G
Isopropyl Alcohol	G	G	G	G	G
Isocyanate Resin	G	G	G	G	G
Isopropyl Acetate	G	G	G	G	G
Isopropyl Ether	G	G	G	G	G
Itaconic Acid	G	G	G	G	G
Jet Fuels	G	G	G	G	G
Jewelers Rouge	G	G	G	G	G
Jig Table Slurry	G	G	G	G	G
Kaolin - China Clay (S)	G	G	G	G	G
Kelp Slurry	G	G	G	G	G
Kerosense	G	G	G	G	G
Kerosene Chlorinated	G	G	G	G	G
Ketone	G	G	G	G	G
Lacquer Thinner	G	G	G	G	G
Lactic Acid	G	G	G	G	G
Lapping Compound	G	G	G	G	G
Latex - Natural	G	G	G	G	G
Latex - Synthetic	G	G	G	G	G
Latex Synthetic Raw	G	G	G	G	G
Laundry Wash Water	G	G	G	G	G
Laundry Bleach	G	G	G	G	G
Laundry Blue	G	G	G	G	G
Laundry Soda	G	G	G	G	G
Lead Arsenate	G	G	G	G	G
Lead Oxide	G	G	G	G	G
Lead Sulfate	G	G	G	G	G
Lignin Extract	G	G	G	G	G
Lime Slaked	G	G	G	G	G
Lime Sulfur Mix	G	G	G	G	G
Liquid Ion Exchange	G	G	G	G	G
Lithium Chloride	G	G	G	G	G
LOX (Liquid O2)	U	U	U	U	U
Ludox	G	G	G	G	G
Lye	U	U	U	U	U
Machine Coating Colour	G	G	G	G	G
Magnesite Slurry	G	G	G	G	G
Magnesite	G	G	G	G	G
Magnesium Bisulfite	G	G	G	G	G
Magnesium Carbonate	G	G	G	G	G
Magnesium Chloride	G	G	G	G	G
Magnesium Hydroxide	G	G	G	G	G
Magnesium Sulfate	G	G	G	G	G
Maleic Acid	G	G	G	G	G
Maleic Anhydride	G	G	G	G	G
Manganese Chloride	G	G	G	G	G
Manganese Sulfate	G	G	G	G	G
Melamine Resin	G	G	G	G	G
Menthol	G	G	G	G	G
Mercaptans	G	G	G	G	G

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Mercuric Chloride	G	G	G	G	G
Mercuric Nitrate	G	G	G	G	G
Mercury	G	G	G	G	G
Mercury Dry	G	G	G	G	G
Methane	G	G	G	G	G
Methyl Alchohol	G	G	G	G	G
Methyl Acetate	G	G	G	G	G
Methyl Bromide	G	G	G	G	G
Methyl Carbitol	G	G	G	G	G
Methyl Cellosolve (S)	G	G	G	G	G
Methyl Chloride	G	G	G	G	G
Methyl Ethyl Ketone	G	G	G	G	G
Methyl Isobutyl Ketone	G	G	G	G	G
Methyl Lactate	G	G	G	G	G
Methyl Orange	G	G	G	G	G
Methylamine	G	G	G	G	G
Methylene Chloride	G	G	G	G	G
Mineral Spirits	G	G	G	G	G
Mixed Acid/Nitric/Sulfuric	U	U	U	U	U
Monochloracetic Acid	G	G	G	G	G
Morphonline	G	G	G	G	G
Mud	G	G	G	G	G
Nalco Sol	G	G	G	G	G
Naphtha	G	G	G	G	G
Naphthalene	G	G	G	G	G
Naval Stores Solvent	G	G	G	G	G
Nematocide	G	G	G	G	G
Neoprene Emulsion	G	G	G	G	G
Neoprene Latex	G	G	G	G	G
Nickel Acetate	G	G	G	G	G
Nickel Ammonium Sulfate	G	G	G	G	G
Nickel Chloride	G	G	G	G	G
Nickel Cyanide	G	G	G	G	G
Nickel Fluoborate	G	G	G	G	G
Nickel Ore Fines	G	G	G	G	G
Nickel Plating Bright	G	G	G	G	G
Nickel Sulfate	G	G	G	G	G
Nicotinic Acid <10%	G	G	G	G	G
Nicotinic Acid >10%	-	-	-	G	-
Nitrate Sol	G	G	G	G	G
Nitration Acid(s)	U	U	U	U	U
Nitric Acid	U	U	U	U	U
Nitric Acid <10%	G	G	G	G	G
Nitric Acid 10%	-	-	-	G	-
Nitric Acid 20%	-	-	-	-	G
Nitric Acid Anhydrous	U	U	U	U	U
Nitric Acid Fuming	U	U	U	U	U
Nitro Aryl Sulfonic Acid	G	G	G	G	G
Nitrobenezene - Dry	G	G	G	G	G
Nitrocellulose	G	G	G	G	G
Nitrofurane	G	G	G	G	G
Nitroguanidine	G	G	G	G	G
Nitroparaffins - Dry	G	G	G	G	G
Nitrosyl Chloride	G	G	G	G	G
Norite Carbon	G	G	G	G	G
Nuchar	G	G	G	G	G
Oakite (S) Compound	G	G	G	G	G
Oil, Creosote	G	G	G	G	G
Oil, Emulsified	G	G	G	G	G
Oil, Fuel	G	G	G	G	G

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Oil, Lubricating	G	G	G	G	G
Oil, Soluble	G	G	G	G	G
Oleic Acid (Hot)	G	G	G	G	G
Oleic Acid (Cold)	G	G	G	G	G
Ore Fines - Flotation	G	G	G	G	G
Ore Pulp	G	G	G	G	G
Organic Dyes	G	G	G	G	G
Oxalic Acid (Cold)	G	G	G	G	G
Ozone (Wet)	U	U	U	U	U
Paint - Linseed Base	G	G	G	G	G
Paint - Water Base	G	G	G	G	G
Paint - Remover - Sol Type	G	G	G	G	G
Paint - Vehicles	G	G	G	G	G
Palmitic Acid	G	G	G	G	G
Paper Board Mill Waste	G	G	G	G	G
Paper Coating Slurry	G	G	G	G	G
Paper Pulp	G	G	G	G	G
Paper Pulp with Amun	G	G	G	G	G
Paper Pulp with Dye	G	G	G	G	G
Paper Pulp, bleached	G	G	G	G	G
Paper Pulp, bleach - washed	G	G	G	G	G
Paper Pulp Chlorinated	G	G	G	G	G
Paper Groundwood	G	G	G	G	G
Paper Rag	G	G	G	G	G
Paper Stocks, Fine	G	G	G	G	G
Paradichlorobenezene	G	G	G	G	G
Paraffin Molten	G	G	G	G	G
Paraffin Oil	G	G	G	G	G
Paraformaldehyde	G	G	G	G	G
Pectin Solution Acid	G	G	G	G	G
Pentachlorethane	G	G	G	G	G
Pentaerythritol Sol	G	G	G	G	G
Perchlorethylene (Dry)	G	G	G	G	G
Perchloric Acid <10%	G	G	G	G	G
Perchloric Acid >10%	-	-	-	G	-
Perchloromethyl Mercaptan	G	G	G	G	G
Permanganic Acid	U	U	U	U	U
Persulfuric Acid	U	U	U	U	U
Petroleum Ether	G	G	G	G	G
Petroleum Jelly	G	G	G	G	G
Phenol Formaldehyde Resins	G	G	G	G	G
Phenolic Glue	G	G	G	G	G
Phloroglucinol	G	G	G	G	G
Phosphate Ester	G	G	G	G	G
Phosphatic Sand	G	G	G	G	G
Phosphoric Acid 85% (Hot)	U	U	U	U	U
Phosphoric Acid 85% (Cold)	-	-	-	-	G
Phosphoric Acid 50% (Hot)	-	-	-	-	G
Phosphoric Acid 50% (Cold)	-	-	-	-	G
Phosphoric Acid 10% (Hot)	-	-	-	-	G
Phosphoric Acid 10% (Cold)	G	G	G	G	G
Phosphorous Molten	G	G	G	G	G
Phosphotungstic Acid	G	G	G	G	G
Photographic Sol	G	G	G	G	G
Phythalic Acid	G	G	G	G	G
Phytate	G	G	G	G	G
Phytate Salts	G	G	G	G	G
Pickling Acid, Sulfuric	G	G	G	G	G
Picric Acid Solutions	G	G	G	G	G
Pine Oil Finish	G	G	G	G	G

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AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Plating Sol As follows:	G	G	G	G	G
Brass Cyanide	G	G	G	G	G
Bronze - Cyanide	G	G	G	G	G
Chromium/Cadmium Cyanide	G	G	G	G	G
Cobalt Acid	G	G	G	G	G
Copper Acid	G	G	G	G	G
Gold Cyanide	G	G	G	G	G
Iron - Acid	G	G	G	G	G
Lead - Fluoro	G	G	G	G	G
Nickel Bright	G	G	G	G	G
Platinum	G	G	G	G	G
Silver - Cyanide	G	G	G	G	G
Tin - Acid	G	G	G	G	G
Tin Alk Barrel	G	G	G	G	G
Zinc Acid	G	G	G	G	G
Zinc Alk Cyanide	G	G	G	G	G
Polyacrylonitrile Slurry	G	G	G	G	G
Polypentek	G	G	G	G	G
Polysulfide Liquor	G	G	G	G	G
Polyvinyl Acetate Slurry	G	G	G	G	G
Polyvinyl Chloride	G	G	G	G	G
Porcelain Frit	G	G	G	G	G
Potash <10%	G	G	G	G	G
Potash >10%	-	-	-	G	-
Potassium Acetate	G	G	G	G	G
Potassium Alum Sulfate	G	G	G	G	G
Potassium Bromide	G	G	G	G	G
Potassium Carbonate	G	G	G	G	G
Potassium Chlorate	G	G	G	G	G
Potassium Chloride Sol	G	G	G	G	G
Potassium Chromate	G	G	G	G	G
Potassium Cyanide Sol	G	G	G	G	G
Potassium Dichromate	G	G	G	G	G
Potassium Ferricyanide	G	G	G	G	G
Potassium Hydroxide	U	U	U	U	U
Potassium Iodide	G	G	G	G	G
Potassium Nitrate	G	G	G	G	G
Potassium Perchlorate	G	G	G	G	G
Potassium Permanganate	G	G	G	G	G
Potassium Persulfate	G	G	G	G	G
Potassium Phosphate	G	G	G	G	G
Potassium Silicate	G	G	G	G	G
Potassium Sulfate	G	G	G	G	G
Potassium Xanthate	G	G	G	G	G
Press Board Waste	G	G	G	G	G
Propionic Acid	G	G	G	G	G
Propyl Alcohol	G	G	G	G	G
Propyl Bromide	G	G	G	G	G
Propylene Glycol	G	G	G	G	G
Pumice	G	G	G	G	G
Pyranol	G	G	G	G	G
Pyridine	G	G	G	G	G
Pyrogallic Acid	G	G	G	G	G
Pyrogen Free Water	G	G	G	G	G
Pyrole	G	G	G	G	G
Pyromellitic Acid	G	G	G	G	G
Quebracho Tannin	G	G	G	G	G
Rag Stock Bleached	G	G	G	G	G
Rare Earth Salts	G	G	G	G	G
Rayon Acid Water	G	G	G	G	G

AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Rayon Spin Bath	G	G	G	G	G
Rayong Spin Bath spent	G	G	G	G	G
Resorcinol	G	G	G	G	G
River Water	G	G	G	G	G
Road Oil	G	G	G	G	G
Roccal	G	G	G	G	G
Rosin - Wood	G	G	G	G	G
Rosin in Alcohol	G	G	G	G	G
Rosin Size	G	G	G	G	G
Rubber Latex	G	G	G	G	G
Safrole	G	G	G	G	G
Salt Alkaline	G	G	G	G	G
Salt Electrolytic	G	G	G	G	G
Salt Refrg	G	G	G	G	G
Sand - Air Brown Slurry	G	G	G	G	G
Sand - Air Phosphatic	G	G	G	G	G
Sea Coal	G	G	G	G	G
Sea Water	G	G	G	G	G
Selenium Chloride	G	G	G	G	G
Sequestrene	G	G	G	G	G
Sewage	G	G	G	G	G
Shellac	G	G	G	G	G
Shower Water	G	G	G	G	G
Silica Gel	G	G	G	G	G
Silica Ground	G	G	G	G	G
Silicone Tetrachloride	G	G	G	G	G
Silicone Fluids	G	G	G	G	G
Silver Cyanide	G	G	G	G	G
Silver Iodide - Aqu	G	G	G	G	G
Silver Nitrate	G	G	G	G	G
Size Emulsion	G	G	G	G	G
Skelly Solve EL	G	G	G	G	G
Slate to 400 Mesh	G	G	G	G	G
Soap Lye	U	U	U	U	U
Soap Solutions(Stearates)	G	G	G	G	G
Soap Stone Air Blown	G	G	G	G	G
Soda Pulp	G	G	G	G	G
Sodium Acetate	G	G	G	G	G
Sodium Acid Fluoride	G	G	G	G	G
Sodium Aluminate	G	G	G	G	G
Sodium Arsenate	G	G	G	G	G
Sodium Benzene Sulfonate	G	G	G	G	G
Sodium Bichromate	G	G	G	G	G
Sodium Bisfulite	G	G	G	G	G
Sodium Bromide	G	G	G	G	G
Sodium Carbonate	G	G	G	G	G
Sodium Chlorate	G	G	G	G	G
Sodium Chlorite	G	G	G	G	G
Sodium Cyanide	G	G	G	G	G
Sodium Ferricyanide	G	G	G	G	G
Sodium Formate	G	G	G	G	G
Sodium Glutamate	G	G	G	G	G
Sodium Hydrogen Sulfate	G	G	G	G	G
Sodium Hydrosulfite	G	G	G	G	G
Sodium Hydrosulfide	G	G	G	G	G
Sodium Hydrochloride	G	G	G	G	G
Sodium Hydro 20% (Cold)	G	G	G	G	G
Sodium Hydro 20% (Hot)	-	-	-	-	G
Sodium Hydro 50% (Cold)	-	-	-	-	G
Sodium Hydro 50% (Hot)	U	U	U	U	U

AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Sodium Hydro 70% (Cold)	-	-	-	-	G
Sodium Hydro 70% (Hot)	U	U	U	U	U
Sodium Hypochlorite	G	G	G	G	G
Sodium Lignosulfonate	G	G	G	G	G
Sodium Metasilicate	G	G	G	G	G
Sodium Molten	G	G	G	G	G
Sodium Nitrate	G	G	G	G	G
Sodium Nitrite - Nitrate	G	G	G	G	G
Sodium Perborate	G	G	G	G	G
Sodium Peroxide	U	U	U	U	U
Sodium Persulfate	G	G	G	G	G
Sodium Phosphate - Mono	G	G	G	G	G
Sodium Phosphate - Tri	G	G	G	G	G
Sodium Potassium Chloride	G	G	G	G	G
Sodium Salicylate	G	G	G	G	G
Sodium Sesquicarbonate	G	G	G	G	G
Sodium Silicate	G	G	G	G	G
Sodium Silcofluoride	G	G	G	G	G
Sodium Stannate	G	G	G	G	G
Sodium Sulfate	G	G	G	G	G
Sodium Sulfide	G	G	G	G	G
Sodium Sulfite	G	G	G	G	G
Sodium Thiocyanate	G	G	G	G	G
Sodium Thiosulfate	G	G	G	G	G
Sodium Tungstate	G	G	G	G	G
Sodium Xanthate	G	G	G	G	G
Solox - Denat Ehtanol	G	G	G	G	G
Soluble Oil	G	G	G	G	G
Solvent Naphthas	G	G	G	G	G
Sorbic Acid	G	G	G	G	G
Sour Gasoline	G	G	G	G	G
Soybean Sludge - Acid	G	G	G	G	G
Spensol Solution	G	G	G	G	G
Stannic Chloride	G	G	G	G	G
Starch	G	G	G	G	G
Starch base	G	G	G	G	G
Stearic Acid	G	G	G	G	G
Steep Water	G	G	G	G	G
Sterilization Steam	G	G	G	G	G
Stillage Distillers	G	G	G	G	G
Stoddard Solvent	G	G	G	G	G
Styrene	G	G	G	G	G
Styrene Butadiene Latex	G	G	G	G	G
Sulfamic Acid	G	G	G	G	G
Sulfan - Sulfuric Anhydride	G	G	G	G	G
Sulfathiazole	G	G	G	G	G
Sulfite Liquor	G	G	G	G	G
Sulfite Stock	G	G	G	G	G
Sulfonated Oils	G	G	G	G	G
Sulfones	G	G	G	G	G
Sulfonice Acids	G	G	G	G	G
Sulfonyl Chloride	G	G	G	G	G
Sulfur Slurry	G	G	G	G	G
Sulfur Solution	G	G	G	G	G
in Carbon Disulfide	G	G	G	G	G
Sulphuric Acid 0 - 7%	-	-	-	-	G
Sulphuric Acid 7 - 40%	-	-	-	-	G
Sulphuric Acid 40 - 75%	U	U	U	U	U
Sulphuric Acid 75 - 95%	U	U	U	U	U
Sulphuric Acid 95 - 100%	-	-	-	-	G

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TECHNICAL DATA

CHEMICAL RESISTANCE TABLE - ANAEROBICS

Legend:
G = Good
C = Conditional
U = Unsatisfactory
- No Data

AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Sulphurous Acid	-	-	-	-	G
Sulfuryl Chloride	G	G	G	G	G
Surfactants	G	G	G	G	G
Synthetic Latex	G	G	G	G	G
Tactonite - Fines	G	G	G	G	G
Talc - Slurry	G	G	G	G	G
Tankage - Slurry	G	G	G	G	G
Tannic Acid (Cold)	-	-	-	-	G
Tarmin	G	G	G	G	G
Tar & Tar Oil	G	G	G	G	G
Tartaric Acid	G	G	G	G	G
Television Chemicals	G	G	G	G	G
Tergitol (S)	G	G	G	G	G
Terpineol	G	G	G	G	G
Tertraethyl Lead	G	G	G	G	G
Tetrahydrofuran	G	G	G	G	G
Tetranitromethane	G	G	G	G	G
Textile Dyeing	G	G	G	G	G
Textile Finishing Oil	G	G	G	G	G
Textile Printing Oil	G	G	G	G	G
Thiocyanic Acid	G	G	G	G	G
Thioglycollic Acid	G	G	G	G	G
Thionyl Chloride	G	G	G	G	G
Thiophosphoryl Chloride	G	G	G	G	G
Thiourea	G	G	G	G	G
Thorium Nitrate	G	G	G	G	G
Thymol	G	G	G	G	G
Tin Tetrachlorida	G	G	G	G	G
Tinning Sol DuPont	G	G	G	G	G
Titania Paper Coating	G	G	G	G	G
Titanium Oxide Slurry	G	G	G	G	G
Titanium Oxy Sulfate	G	G	G	G	G
Titanium Sulfate	G	G	G	G	G
Titanium Tetrachloride	G	G	G	G	G
Toluol	G	G	G	G	G
Toluene	G	G	G	G	G
p - Toluene Sulfonic Acid	-	-	-	-	G
Transil Oil	G	G	G	G	G
Trichloracetic Acid	G	G	G	G	G
Trichylorethane 1,1,1	G	G	G	G	G
Trichlorethylene	G	G	G	G	G
Trichlorethylene - Dry	G	G	G	G	G
Tricresyl Phosphate	G	G	G	G	G
Triethanolamine	G	G	G	G	G
Triethylene Glycol	G	G	G	G	G
Trioxane	G	G	G	G	G
Tungistic Acid	G	G	G	G	G
Turpentine	G	G	G	G	G
UCON (S) Lube	G	G	G	G	G
Udylite Bath - Nickel	G	G	G	G	G
Undecylenic Acid	G	G	G	G	G
Unichrome Sol Alk	G	G	G	G	G
Uranium Salts	G	G	G	G	G
Uranyl Nitrate	G	G	G	G	G
Uranyl Sulfate	G	G	G	G	G
Urea Ammonia Liquor	G	G	G	G	G
Vacuum to 100 Micron	G	G	G	G	G
Vacuum 100 Micron	G	G	G	G	G
Vacuum Oil	G	G	G	G	G
Vanadium Pentoxide	G	G	G	G	G

Legend:
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- No Data

AGENT	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Slurry	G	G	G	G	G
Varnish	G	G	G	G	G
Varsol - Naphtha Solv	G	G	G	G	G
Versene (S)	G	G	G	G	G
Vinyl Acetate Dry or	G	G	G	G	G
Chloride Monomer	G	G	G	G	G
Vinyl Chloride Latex Emul	G	G	G	G	G
Vinyl Resin Slurry	G	G	G	G	G
Viscose	G	G	G	G	G
Vortex - Hydroclone	G	G	G	G	G
Water - Acid Below pH7	G	G	G	G	G
Water pH7 to 8	G	G	G	G	G
Water Alkaline-Over pH8	G	G	G	G	G
Water Mine Water	G	G	G	G	G
Water Potable	-	-	-	G	-
Water River	G	G	G	G	G
Water Sandy	G	G	G	G	G
Water 'White' low pH	G	G	G	G	G
Water 'White' high pH	G	G	G	G	G
Wax Chlorinated	G	G	G	G	G
Wax Emulsions	G	G	G	G	G
Weed Killer Dirbromide	G	G	G	G	G
Weisberg Sulfate Plating	G	G	G	G	G
Wood ground pulp	G	G	G	G	G
Wort Lines	G	G	G	G	G
X - Ray Developing Bath	G	G	G	G	G
Xylene	G	G	G	G	G
Zelan	G	G	G	G	G
Zeolite Water	G	G	G	G	G
Zinc Acetate	G	G	G	G	G
Zinc Bromide	G	G	G	G	G
Zinc Chloride	G	G	G	G	G
Zinc Cyanide - Alk	G	G	G	G	G
Zinc Fines Slurry	G	G	G	G	G
Zinc Flux Paste	G	G	G	G	G
Zinc Galvanizing	G	G	G	G	G
Zinc Hydrosulfite	G	G	G	G	G
Zinc Oxide in Water	G	G	G	G	G
Zinc Oxide in Oil	G	G	G	G	G
Zinc Sulfate	G	G	G	G	G
Zincolate	G	G	G	G	G
Zirconyl Nitrate	G	G	G	G	G
Zirconyl Sulfate	G	G	G	G	G

Legend:
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U = Unsatisfactory
- No Data

GASES	INDUSTRIAL ANAEROBIC				
	IAS55, IAS57	IAS69, IAS72, IAS77	IAR41, IAR62	IAT43	IAT77
Acetylene	G	G	G	G	G
Acid & Alkali Vapors	G	G	G	G	G
Air	G	G	G	G	G
Amine	G	G	G	G	G
Ammonia	G	G	G	G	G
Butane	G	G	G	G	G
Butadiene Gas/Liquid	G	G	G	G	G
Butylene Gas/Liquid	G	G	G	G	G
By-Product Gas (Dry)	G	G	G	G	G
Carbon Dioxide	G	G	G	G	G
Carbon Disulfide	G	G	G	G	G
Carbon Monoxide	G	G	G	G	G
Chloride (Dry)	G	G	G	G	G
Chlorine (Dry)	U	U	U	U	U
Chlorine (Wet)	U	U	U	U	U
Coke-Oven Gas (Cold)	G	G	G	G	G
Coke-Oven Gas (Hot)	-	-	-	-	G
Cyanogen Chloride	G	G	G	G	G
Cyanoegen Gas	G	G	G	G	G
Ethane	G	G	G	G	G
Ether-see Diethyl Ether	G	G	G	G	G
Ethylene	G	G	G	G	G
Ethylene Oxide	G	G	G	G	G
Freon (S) (11-12-21-22)	-	-	-	-	G
Furnace Gas (Cold)	-	-	-	-	G
Furnace Gas (Hot)	G	G	G	G	G
Gas Drip Oil	G	G	G	G	G
Gas Flue	G	G	G	G	G
Gas Manufacturing	G	G	G	G	G
Gas Natural	G	G	G	G	G
Helium	G	G	G	G	G
Hydrogen Gas - Cold	G	G	G	G	G
Hydrogen Chloride	G	G	G	G	G
Hydrogen Cyanide	G	G	G	G	G
Hydrogen Sulfide-W/D	G	G	G	G	G
Isobutane	G	G	G	G	G
Methane	G	G	G	G	G
Methyl Chloride	G	G	G	G	G
Natural Gas - Dry	G	G	G	G	G
Nitrogen Gas	G	G	G	G	G
Nitrous Oxide	G	G	G	G	G
Oil - Solvent Vapor	G	G	G	G	G
Oxygen	U	U	U	U	U
Ozone	U	U	U	U	U
Producer Gas 50 PSI	G	G	G	G	G
Propane	G	G	G	G	G
Propylene	G	G	G	G	G
Steam H Pressure ("70 psi)	U	U	U	U	U
Steam L Pressure ("70 psi)	G	G	G	G	G
Sulfur Dioxide	G	G	G	G	G
Sulfure Dioxide Dry	G	G	G	G	G
Sulfur Trioxide Gas	G	G	G	G	G
Sulfuric Acid Vapor	U	U	U	U	U

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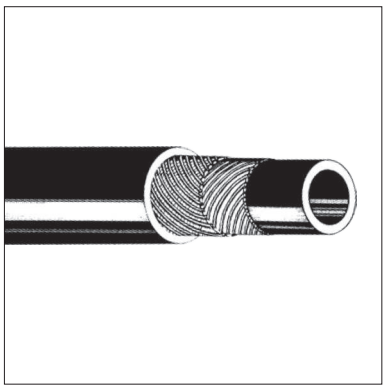
AUTOMOTIVE HOSES
PACKAGED SPOOLS
FOR WORKSHOP & HOME

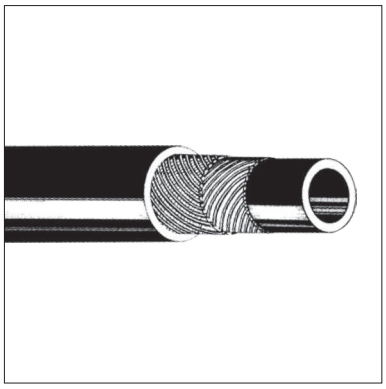
P3111
AUTO
FUEL HOSE



Product Code		Dimensions				Working Pressure	Bend Radius	Weight
		Inside Dia.		Wall	O.D.			
7 meter spool	30 meter spool	mm	ins	mm	mm	bar	mm	g/m
P3111048	P3111048-R	4.8	3/16	3.0	10.8	3.4	15	110
P3111063	P3111063-R	6.3	1/4	3.2	12.7	3.4	20	140
P3111079	P3111079-R	7.9	5/16	3.4	14.7	3.4	25	160
P3111095	P3111095-R	9.5	3/8	3.6	16.7	3.4	40	210
	P3111127-R	12.7	1/2	3.8	20.3	2.4	50	257

- Designed to carry automotive fuel
- Nitrile inner liner
- Outer cover CR (Neoprene)
- Temperature range from -30° C to +100° C
- Dual spiral wrap reinforcement
- Conforms to SAE 30 R6
- Safety factor of 5:1.
- Hose is suitable for unleaded petrol (up to 98 Octane) and diesel
- Hose is ***not suitable for submersion*** in tank
- Hose is not suitable for ethanol blends of petrol or bio diesel

P311T
AUTO
TRANSMISSION COOLER HOSE



Product Code		Dimensions				Working Pressure	Bend Radius	Weight
		Inside Dia.		Wall	O.D.			
7 meter spool	30 meter spool	mm	ins	mm	mm	bar	mm	g/m
P311T079	P311T079-R	7.9	5/16	3.4	14.7	12	25	160
P311T095	P311T095-R	9.5	3/8	3.6	16.7	12	40	210

- For use with modern automatic transmissions
- Nitrile inner liner
- Polyester reinforcement
- Neoprene cover resistant to oil, fuel and heat
- Temperature range from -40° C to +135° C
- Manufactured to SAE 30 R6 Specification

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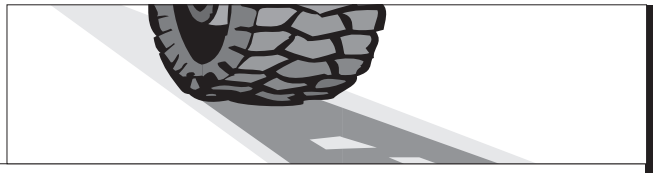
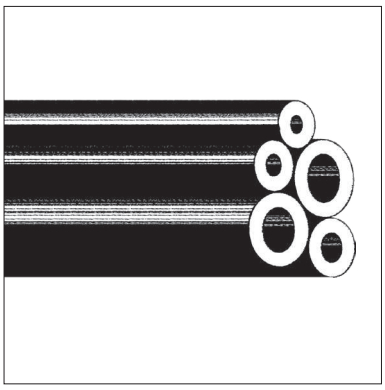
AUTOMOTIVE HOSES
PACKAGED SPOOLS
FOR WORKSHOP & HOME



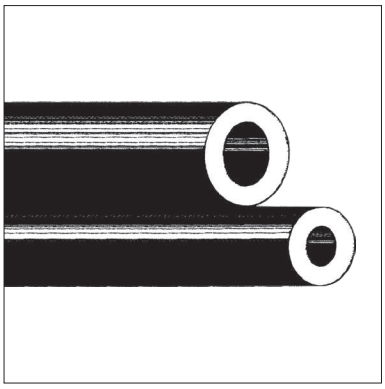
P3300
AUTO
VACUUM AND WASHER HOSE



Product Code		Dimensions						
		Inside Dia.		Wall	O.D.			
15 meter spool		mm	ins	mm	mm			
P3300025		2.5	7/64	2	6.5			
P3300030		3.0	1/8	2	7.0			
P3300040		4.0	5/32	2	8.0			
P3300045		4.5	11/64	2	8.5			
P3300055		5.5	7/32	2	10.0			
P3300063		6.3	1/4	2	10.5			

- For use in windscreen washer systems and vacuum operated controls
- Manufactured from EPDM rubber
- Withstands the pressure exerted by windscreen washer systems and control system vacuum
- Heat and weather resistant
- Manufactured to SAE-J-200 Specification

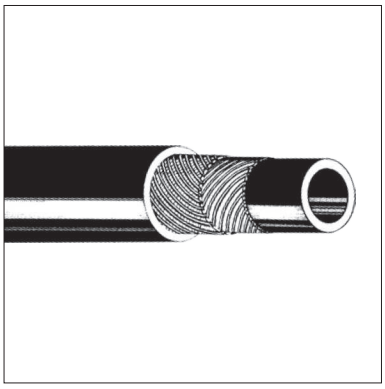
P3300
AUTO
RADIATOR OVERFLOW HOSE



Product Code		Dimensions						
		Inside Dia.		Wall	O.D.			
15 meter spool		mm	ins	mm	mm			
P3300079		8	5/16	2	12			
P3300095		10	3/8	2	14			

- Suitable for radiator overflow and header tank applications
- Manufactured from EPDM rubber
- Withstand radiator temperatures and pressures as well as vacuum
- Weather, oil and radiator additive resistant

P4205
AUTO
BRAKE VACUUM HOSE



Product Code		Dimensions				Vacuum	Bend Radius	Weight
		Inside Dia.		Wall	O.D.			
7 mete spool	30 meter spool	mm	ins	mm	mm	bar	mm	g/m
P4205095	P4205095-R	9.5	11/32	4	17.5	0.87	30	252

- Designed to transmit manifold vacuum in automotive power assisted braking systems.
- Neoprene liner and cover
- Rayon reinforcement
- Conforms to SAE J 1403
- Resistant to oil, petrol, heat and weather

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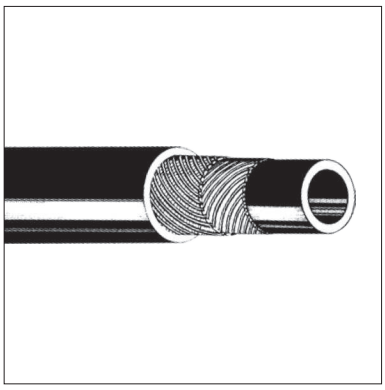
AUTOMOTIVE HOSES
PACKAGED SPOOLS
FOR WORKSHOP & HOME

P4801
AUTO
HEATER HOSE

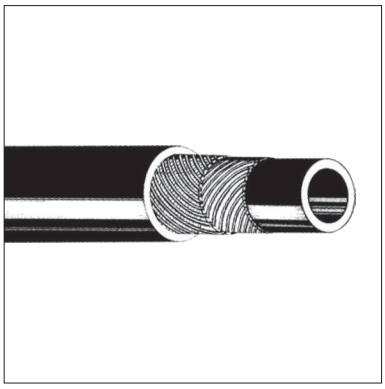


Product Code		Dimensions				Working Pressure	Bend Radius	Weight
		Inside Dia.		Wall	O.D.			
15 meter spool	50 meter spool	mm	ins	mm	mm	bar	mm	g/m
	P4801095-R *	9.5	3/8	3.75	17.0	10	50	220
P4801127	P4801127-R	12.7	1/2	3.40	19.5	10	50	240
P4801160	P4801160-R	16.0	5/8	3.40	22.8	10	80	290
P4801191		19.0	3/4	3.60	26.3	10	100	360

* 25 meter roll length in this size

- Developed for vehicle coolant systems
- Safety factor of 3:1
- Temperature range of -40° C to +100° C
- Made from a rubber and EPDM blend
- Reinforced with a double braid spiral wrap
- Conforms to SAE 20 R3
- Weather resistant
- Impervious to coolant system additives
- Not suitable for use with petrochemical products

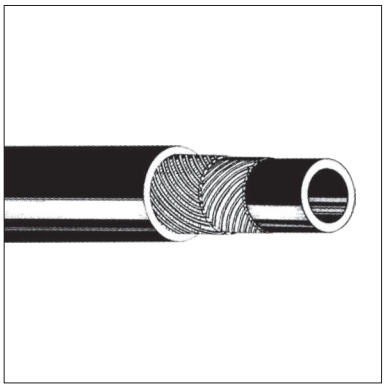
P5130
AUTO
POWER STEERING RETURN HOSE



Product Code		Dimensions				Working Pressure	Bend Radius	Weight
		Inside Dia.		Wall	O.D.			
7 meter spool	30 meter spool	mm	ins	mm	mm	bar	mm	g/m
P5130079	P5130079-R	7.9	5/16	4.0	16.0	17.2	25.0	224
P5130100		10	3/8	4.0	18.0	17.2	40.0	242

- Designed specifically as low pressure side return hose for vehicle power steering systems
- Nitrile inner liner
- Polyester double braid reinforcement
- Neoprene cover
- Resistant to oil, fuel and heat
- Operating temperature range is -40° C to +121° C
- Safety factor of 4:1
- Conforms to SAE J 189 Specification

PH533
AUTO
EFI FUEL INJECTION HOSE



Product Code		Dimensions				"Working Pressure"	"Bend Radius"	Weight
		Inside Dia.		Wall	O.D			
7 meter spool		mm	ins	mm	mm	bar	mm	g/m
PH533079		7.9	5/16	3.05	14	6.9	25	155

- A high performance fuel injection hose designed to run at higher pressures and temperatures than normal fuel injection hoses.
- NBR/PVC inner tube
- CSM cover
- Conforms to SAE J30 R9 specifications.

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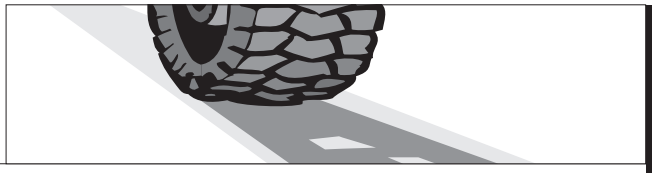
AUTOMOTIVE HOSES
PACKAGED SPOOLS
FOR WORKSHOP & HOME

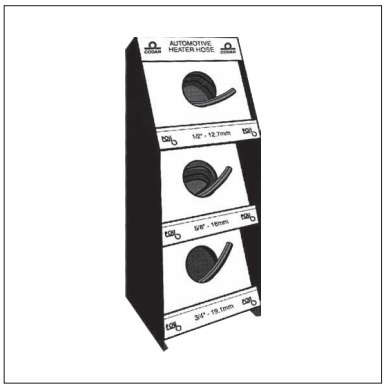


PCH-A
AUTO
GENERAL HOSE MERCHANDISER

PCH-A General Hose Merchandiser							
Qty	Pack	Product Code	Description	Inside Diameter		Length	Page
				mm	ins		
1	Spool	P4205095	Brake Vacuum	9.5	11/32	7	77
1	Spool	P311T079	Transmission Cooler	7.9	5/16	7	76
1	Spool	P3111048	Fuel	4.8	3/16	7	76
1	Spool	P3111063	Fuel	6.3	1/4	7	76
1	Spool	P3111079	Fuel	7.9	5/16	7	76
1	Spool	P3111095	Fuel	9.5	3/8	7	76
1	Spool	P3300025	Vacuum & Washer	2.5	7/64	15	77
1	Spool	P3300030	Vacuum & Washer	3.0	1/8	15	77
1	Spool	P3300040	Vacuum & Washer	4.0	5/32	15	77
1	Spool	P3300055	Vacuum & Washer	5.5	7/32	15	77
1	Spool	P3300063	Vacuum & Washer	6.3	1/4	15	77
1	Spool	PH533079	Fuel Injection Hose	7.9	5/16	7	78

- A robustly made powder coated steel cabinet designed to hold 12 spools of hose
- Can be displayed as a free standing unit or mounted to the wall.
- Features metric and imperial measuring scales
- Allows front loading of stock
- Hose type and sizing is clearly marked
- Dimensions (mm): W x H x D 720 x 970 x 220

PCH-B
AUTO
HEATER HOSE MERCHANDISER



PCH-B Heater Hose Merchandiser							
Qty	Pack	Product Code	Description	Inside Diameter		Length	Page
				mm	ins		
2	Spool	P4801127	Heater Hose	12.7	1/2	15	78
2	Spool	P4801160	Heater Hose	16	5/8	15	78
2	Spool	P4801191	Heater Hose	19	3/4	15	78

- A robustly made powder coated steel cabinet designed to hold 3 popular sizes of heater hose
- Free standing unit
- Features metric and imperial measuring scales
- Allows front loading of stock
- Hose type and sizing is clearly marked
- Dimensions (mm): W x H x D 480 x 1200 x 430

TPHC (Replaces 4523)
HAND CUTTER
SUIT AUTO AND AIR CON HOSES, THERMOPLASTIC, NYLON & FABRIC BRAID RUBBER & PVC HOSE

Hand Cutting Tool	
Product Code	Description
TPHC-001	Hand Cutter for Hose and Tube - Up to 28mm External Diameter
TPHCRB - 001	Replacement Blade for Hand Cutter

- A robustly made hand cutting tool for cleanly cutting a wide range of hose and tube products
- Replaceable blade

AIR CONDITIONING ASSEMBLIES

ACH

AUTO AIR CONDITIONING HOSE (REDUCED BARRIER)

Product Code	Dimensions			Inside Diameter mm		Outside Diameter mm		Weight
	Dash Size	Nominal Dia.						
		mm	ins	min	max	min	max	Kg/m
ACH-06	6	8	5/16	7.9	8.6	14.2	15.2	0.13
ACH-08	8	10	13/32	10.4	11.2	16.8	17.8	0.18
ACH-10	10	12	1/2	12.5	13.5	18.9	19.9	0.19
ACH-12	12	16	5/8	15.6	16.6	23.1	24.1	0.30

Specifications

- Chloroprene blend tube compound
- Extruded polyamide barrier for low permeation
- Single braid polyester reinforcement
- Chlorobutyl cover compound for low moisture ingression
- Permeation: 2.3- 2.6 Kg/m2/yr (tested at 80°C)
- Moisture Ingression: 0.033g/cm2/yr
- Temperature Range of -40°C to +135°C
- Meets SAE J2064 Type C Class I

Features

- Light weight and flexible for easy routing
- Compatible with R134a and many other vehicular refrigerants
- Compatible with PAG (Polyalkylene glycol) oil and other popular lubricants

ACW

AUTO AIR CONDITIONING WELD ON HOSE TAILS (LIFE SAVERS)

Product Code	Fitting Type	Tube Size	Hose Tail Size	
Aluminium Tails			Dash	Actual
ACWA1-0606	Fitting only	3/8"	06	5/16"
ACWA1-0606RB	One piece (fitting & ferrule)	3/8"	06	5/16"
ACWA1-0808	Fitting only	1/2"	08	13/32"
ACWA1-0808RB	One piece (fitting & ferrule)	1/2"	08	13/32"
ACWA1-0810	Fitting only	1/2"	10	1/2"
ACWA1-1010	Fitting only	5/8"	10	1/2"
ACWA1-1010RB	One piece (fitting & ferrule)	5/8"	10	1/2"
ACWA1-1210	Fitting only	3/4"	12	1/2"
ACWA1-1212	Fitting only	3/4"	12	5/8"
ACWA1-1212RB	One piece (fitting & ferrule)	3/4"	12	5/8"
Steel Tails				
ACWS1-0606	Fitting only	3/8"	06	5/16"
ACWS1-0606RB	One piece (fitting & ferrule)	3/8"	06	5/16"
ACWS1-0808	Fitting only	1/2"	08	13/32"
ACWS1-0808RB	One piece (fitting & ferrule)	1/2"	08	13/32"
ACWS1-1010	Fitting only	5/8"	10	1/2"
ACWS1-1010RB	One piece (fitting & ferrule)	5/8"	10	1/2"
ACWS1-1212	Fitting only	3/4"	12	5/8"
ACWS1-1212RB	One piece (fitting & ferrule)	3/4"	12	5/8"

ACF*

FERRULES TO SUIT REDUCED BARRIER AIR CONDITIONING HOSE

Product Code	Description
ACF-06	Steel ferrule to suit 5/16" ACH Air Con hose
ACF-08	Steel ferrule to suit 13/32" ACH Air Con hose
ACF-10	Steel ferrule to suit 1/2" ACH Air Con hose
ACF-12	Steel ferrule to suit 5/8" ACH Air Con hose

* Use hydraulic hand held crimper (beadlock / bubble style) with reduced barrier crimp dies.
(Refer to Pirtek Assembly Procedure Document WI-0902-34)

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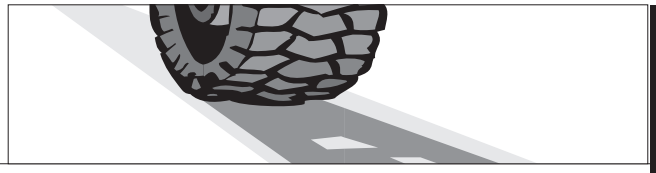
AIR CONDITIONING ASSEMBLIES



ACABR
AUTO AIR CONDITIONING ALUMINIUM BRAZING RODS

Product Code	Description
ACABR	Pack of 25 Aluminium brazing rods with flux core

Application
Used to braze Aluminium Weld-On tails to Air Con Tube

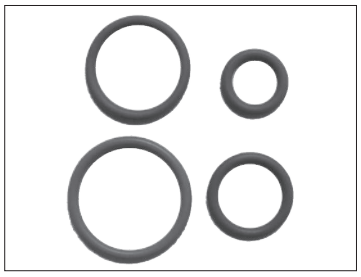
ACNBL
AUTO AIR CONDITIONING LUBRICANT / SEALANT

Product Code	Description
ACNBL	30 ml Nylog Blue Lubricant / Sealant

Specifications
- a synthetic refrigeration oil
- compatible with mixtures of POE (Polyolester oil), PAG, mineral and alkyl benzene oils in the presence of HFC-134a, cross blends of CFC and HCFC refrigerants as well as R-410a in POE and PVE (Polyvinylether) lubricants

Features
- Non-hardening, non-drying fluid
- bonds tenaciously to many different substrates
- acts as a gasket thread sealant and assembly lube
- Can be used universally or specifically with an HFC bound synthetic oil system

ACOR
AUTO AIR CONDITIONING O-RINGS



Product Code	Description
ACOR-6	Air Con O-ring HNBR Green suits -06 (3/8”) size
ACOR-8	Air Con O-ring HNBR Green suits -08 (1/2") size
ACOR-10	Air Con O-ring HNBR Green suits -10 (5/8") size
ACOR-12	Air Con O-ring HNBR Green suits -12 (3/4") size

Specifications
- HNBR (Hydrogenated Nitrile Butadiene Rubber)
- good physical strength and retention properties after long term exposure to oil, heat & chemicals.

Features
- HNBR Green O-rings are used in valves / ports of air conditioning components and hose assemblies.

DEF / ADBLUE TUBE & FITTINGS

DEF/SCR TUBE

Multilayer nylon tube made of ETFE/PA 12. These tubes have excellent performance for corrosion resistance and low Urea solution permeation. They meet the requirements of SAE J844.
Temperature range: -60C° to +125C°
Vacuum up to 20inHG

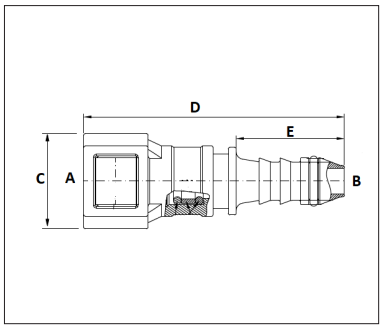
Part Number	Size mm (ID x OD)"	Working Pressure (PSI)"	Burst Pressure (PSI)"	Bend Radius (mm)"
DEFMPET-03	3 x 5	250	1203	30
DEFMPET-06	6 x 8	250	1000	42

* Also available rubber DEF transfer hose -IRDEF.
Refer to web catalouge section Industrial / Industrial Hose

COUPLER FITTINGS

Quick connect fittings in accordance with SAEJ2044
Operating pressure 5-7 bar (72-101 PSI), Occasional peaks up to 11 bar (160 PSI)
Operating vacuum 0.55bar (-7.2 PSI) (16inHG)
Operating temperature: -40°C to + 120°C (Occasional peaks to +150°C)
All Quick connect couplers supplied with dust plug.

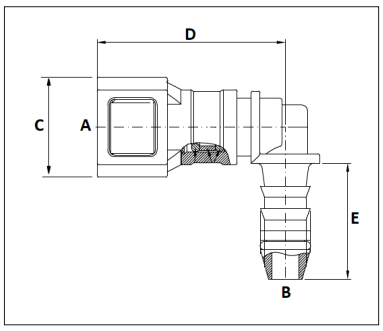
DEFSFQC1
QUICK CONNECT COUPLERSTRAIGHT



Product Code	A	B (suit tube)	C (mm)	D (mm)	E (mm)
DEFSFQC1-0403	1 /4" (6.30)	3x5mm	18.0	44	14
DEFSFQC1-0406	1/4" (6.30)	6X8MM	18.0	50.5	21.0
DEFSFQC1-0506	5/16" (7.89)	6x8mm	20.5	52	19.1
DEFSFQC1-0606	3/8" (9.49)	6x8mm	23.9	50.7	21.0

*DEFSFQC1-0606 size incorporates an o-ring on the tail.

DEFSFQC9
QUICK CONNECT COUPLER 90°



Product Code	A	B (suit tube)	C (mm)	D (mm)	E (mm)
DEFSFQC9-0403	1/4" (6.30	3X5MM	18.00	31.2	14.0
DEFSFQC9-0406	1/4" (6.30)	6X8MM	18.0	33.6	20.5
DEFSFQC9-0506	5/16" (7.89)	6X8MM	20.5	32.0	19.1
DEFSFQC9-0606	3/8" (9.49)	6X8MM	23.9	32.0	21.0

***DEFSFQC9-0606** size incorporates an o-ring on the tail.

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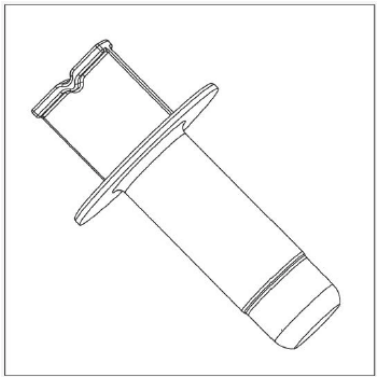
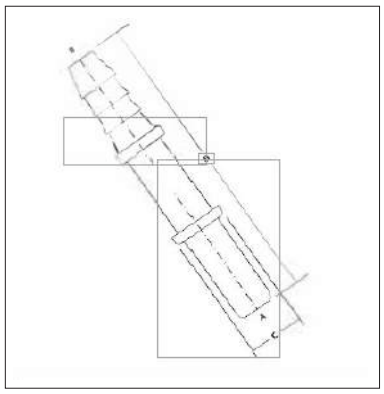
DEF / ADBLUE TUBE & FITTINGS

DEFSMDP
DUST PLUG TO SUIT QUICK CONNECT COUPLER



Product Code	Suit Coupler
DEFSMDP-04	1 /4" (6.30)
DEFSMDP-05	5/16" (7.89)
DEFSMDP-06	3/8" (9.49)

DEFSME1
QUICK CONNECT MALE END/PROBE STRAIGHT



Product Code	A	B (suit tube)	C (mm)	D (mm)
DEFSME1-0506	5/16" (7.89)	6x8mm	10.9	60.0

DEFTOOL-S
ASSEMBLY TOOL KIT FOR DEF TUBE & FITTINGS

Product Code	Kit contents
DEFTOOL-S	1 x Base plate with pusher & lever
	1 x lever extension
	1 x tubing clamp suit 3x5mm & 6x8mm tube
	2 x pusher inserts suit 3x5mm & 6x8mm tails
	2 x supports for 90º fittings

Easy & convenient kit for assembling DEF fittings into tube.
No need to place the plastic fittings into a vice which can potentially break the fitting.
Ensures that the fitting & tube is correctly assembled.

GRAB KIT CASES

COMPARTMENT STORAGE CASE

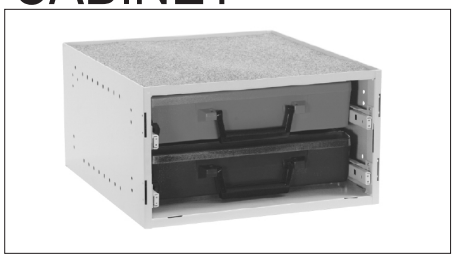
Versatile storage system for the transfer and handling of various components. Ideal for use as a grab kit to store brassware, O-rings, adaptors, fittings, clamps, nuts & bolts.

Manufactured from strong engineering polymers & uses stainless steel hinge and latch springs to ensure extended product life.
Includes 6 dividers plus 1 compartment in front of case.

- Corrosion proof
- Lid opens 180º
- Sturdy locking system
- Divided goods will not interchange when shaken
- Unique lid design keeps storage locked in place
- Additional dividers available to create up to 20 compartments

Part Number	Dimensions mm		
GKC-01	W = 370	D = 370	H = 85
GKD	Individual Divider		

CABINET



2 or 3 drawer cabinet which can be joined vertically and or horizontally
Cabinet can be fixed to bench, racking or vehicle floor.

These cabinets only suit Pirtek compartment storage case & Pirtek Pressure test kit cases

Part Number	Description	Dimensions mm		
RC2DC †	2 Drawer cabinet	W = 419	D = 460	H = 250
RC3DC †	3 Drawer cabinet	W = 419	D = 460	H = 350

† Non-Stocked Item, available on request

FRAME

2 or 3 drawer frame which can be fixed to any vehicle, wall, bench or shelf.
These frames only suit Pirtek compartment storage case & Pirtek Pressure test kit cases.

Part Number	Description	Dimensions mm		
RC2FR †	2 Drawer frame	W = 419	D = 460	H = 250
RC3FR †	3 Drawer frame	W = 419	D = 460	H = 350

† Non-Stocked Item, available on request

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CABLE TIES

INCLUDING STAINLESS STEEL TIES AND INSTALLATION GUNS

Recommended cable tie / flush cutter snips
Product Code: **PCTC**

Description :

- All Nylon one piece construction
- Min. loop tensile strength ranging from 8.1kg to a maximum of up to 114kg.
- Cable Ties use UL approved Nylon 6/6 with flamability rating of UL94V-2
- Approved to the requirements of MILITARY 3367 - 1978 and UL Underwriters Laboratories E156597
- Temperature range: - 40°C to + 85°C

Product Range:

- Individual packs
- Mixed pack
- Merchandiser tree
- Also in Stainless Steel and as Velcro® Magic Ties

Applications:

- A common and useful product for location of hoses in their operating environment
- Use to secure and restrain hose movement to avoid damage through abrasion
- Ideal for urgent small repairs or bundling automotive hoses or electrical cables
- Always take care when using cable ties - consider the application carefully and heed sound installation guidelines. Consult Technical Section A for a guide to installation of hydraulic hoses

INDIVIDUAL PACKS

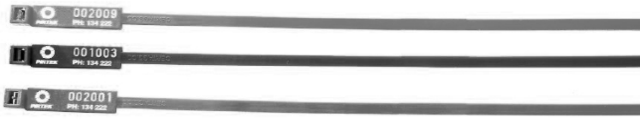
Product Code Cable Ties			Pack Quantity	Dimensions	Min. Loop Tensile Strength
Nylon	304 St. Steel	Magic Ties		mm	Kg
BPT10025			100	100mm x 2.5mm	8.1
BPT15235			100	150mm x 3.5mm	18.2
	BPTS20046		100	200mm x 4.6mm	
BPT20247 *			100	200mm x 4.8mm	22.2
	BPTS20080		100	200mm x 8.0mm	
BPT30148 *			100	300mm x 4.8mm	22.2
	BPTS36046		100	360mm x 4.6mm	
	BPTS36080		100	360mm x 8.0mm	
BPT38275			100	368mm x 7.6mm	54.4
BPT38348			100	370mm x 4.8mm	22.2
BPT43090			100	430mm x 9.0mm	79.4
BPT53390			100	533mm x 8.0mm	79.4
BPT55013			100	580mm x 13mm	114.0
BPT76290			100	760mm x 9.0mm	79.4
BPT83090			100	830mm x 9.0mm	79.4
BPT102090			100	1020mm x 9.0mm	79.4
BPT122090			100	1220mm x 9.0mm	79.4

* Also available in blue, green. red or yellow. Add BL, G, R, or Y Suffix to Product Code

BPTVR Velcro® One Wrap

Product Code	Roll Detail
BPTVR12	23m x 12mm
BPTVR19	23m x 19mm

AUDIT CABLE TIES



- Colour coded individually serial numbered cable ties
- Nylon 6 one piece construction
- Flammability rating of UL94V2 with a melting paint of 215°C
- Ideal for applying to mobile or fixed point machinery, hose assemblies & pipe/tube for audit identification & risk classification.

AUDIT CABLE TIES

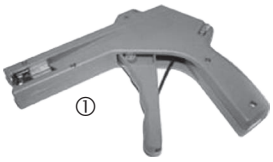
Product Code	Pack Qty	Dimensions (mm)	Colour
BPAT30050G	20	300 x 5.0	Green
BPAT30050O	20	300 x 5.0	Orange
BPAT30050R	20	300 x 5.0	Red
BPAT30050Y	20	300 x 5.0	Yellow

1000PC H/D NYLON CABLE TIES

Product Code	Contents	Quantity
BPT-1000	100mm x 2.5mm	200
	150mmx 3.5mm	200
	200mm x 4.8mm	400
	300mm x 4.8mm	200

CABLE TIE INSTALLATION GUNS

Product Code	Quantity
BPPCTG-4.8	H. Duty Plastic Gun Adjustable Tension, Auto Cutting. Cuts: 2.5 – 4.8mm Wide Cable Ties
BPPCTG-9.0	Metal Gun Adjustable Tension, Auto Cutting Action. Cuts 2.5 – 9.0mm Wide Cable Ties
BPSCTG-7.9	Stainless Steel Gun Tightens & Auto cuts with Adjustable Pressure. Tie Thickness – 0.3mm width to 7.9mm



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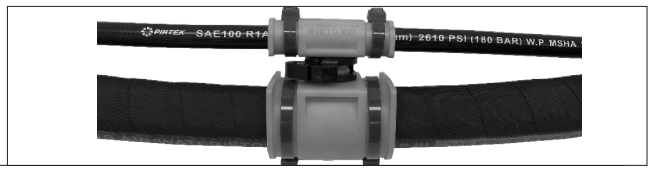
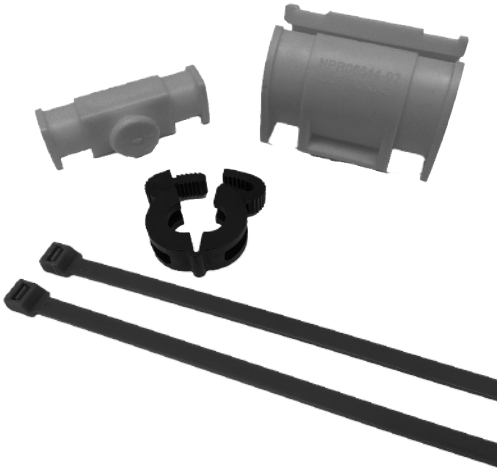
HOSE SWIVEL CRADLES





HoseMate™ hose swivel cradles are a purpose designed polymer product used to secure, seperate and position both industrial and hydraulic hoses to eliminate the risk of damage and early failure due to external abrasion and incease the service life of hoses.
All componants are UL94-V2 Fire rated, UV resistant and suitable in typical engine bay temperatures along with handling cold, chemicals and vibrations.
The hose swivel cradle system is simple to install to ensure optimum use of hoses is not compromised.

- Improves Safety
- Reduces maintenance costs
- Large range of sizes
- Reusable, Recyclable & Environmetally Friendly

Part Number	Description
HC13-16	Hose cradle suit hose O.D 13-16mm
HC16-20	Hose cradle suit hose O.D 16-20mm
HC20-24	Hose cradle suit hose O.D 20-24mm
HC24-29	Hose cradle suit hose O.D 24-29mm
HC29-35	Hose cradle suit hose O.D 29-35mm
HC35-42	Hose cradle suit hose O.D 35-42mm
HC42-51	Hose cradle suit hose O.D 42-51mm
HC51-61	Hose cradle suit hose O.D 51-61mm
HC61-72	Hose cradle suit hose O.D 61-72mm
HCJ-01	Pivot joiner suit hose cradles
HCTSHT36676	High temperature tension straps 366 x 7.6mm

Spill Plugs

Description
Specially designed to prevent spillage, leakage and contamination of various fluids on hoses, tubes and machinery. Available in 3 different sizes, the conical shape rubber is designed to effectively seal various sized ports during maintenance, service or storage of equipment and machinery. Widely used in applications including hydraulic maintenance, heavy equipment, mining, automotive, transportation, offshore, marine, defence industries, agriculture and many more.

*** Easy to use; Insert, Push & Twist**
*** Prevents spills & stops leaks, protecting the environment**
*** Protects against ingress of dust, dirt, moisture & contaminants**
*** Resistant to most oils, chemicals & liquids**
*** Temperature range: -25ºC to +90ºC (-13ºF to +194ºF)**
*** Excellent UV resistance**
*** Does not contain Silicon**
*** Yellow colour for easy identification**
*** Not to be used under pressure**

Product Code	Description	Qty/Pack
SPLUG-S	Small Plugs suits hole dia. 1mm-13mm (3/64"-1/2")	20
SPLUG-M	Medium Plugs suits hole dia. 8mm-26mm (5/16"-1")	10
SPLUG-L	Large Plugs suits hole dia. 12mm-38mm (1/2"-1.1/2")	4
SPLUG-MIX	Mixed pack, 4 x Small, 4 x Medium, 2 x Large	10

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HOSE TIE STRAPS
FOR BUNDLING HOSES

FRAS treated nylon

Product Code		"Dimensions mm"
Polypropylene	Polyester	
HTSP-800	HTS-800	800mm x 25mm
HTSP-1500	HTS-1500	1500mm x 25mm

Bundling straps ideal for bundling hoses, pipes, tubes.
Coiling of hose in service vans or workshops.
Maximum tensile strength 330 Kg.
25mm wide
Buckle material Zinc Alloy (<4.1% Aluminium content by weight)

Available in 2 different types:
- Unbranded Black Polypropylene webbing UV stabilized
- Pirtek branded Black fire retardant Polyester thermal dyed with antistatic chemical (FRAS), ideal for mining (underground)

Available in 800mm and 1500mm lengths, other lengths & widths available on request

TEST TAGS
STAINLESS STEEL ID TAGS & DISC

Used to record hose assembly and testing information, then attach to hose.
NAVY tag conforms to the requirements of the NAVY Technical Directive
Discs ideal for attaching onto hose assemblies and equipment.
All tags can be secured using Pirtek 4.6mm S/S cable ties.

"Product Code"	Dimensions (mm)			
	Length	Width	Thickness	Hole ID
NAVY TAG	150	20	0.6	4.9
TEST TAG	130	20	0.5	4.9
TEST DISC	24.9 (OD)	-	1.2	4.9

STAINLESS STEEL CRIMP RINGS
304 GRADE STAINLESS STEEL

Circular rings used to secure Diffusion Abrasion Sleeve (DAS) along with fire sleeve and braided stainless steel sleeve.
Can also be used on low pressure PVC & rubber textile braided hoses in replace of hose clamps.

"Product Code"	Dimensions (mm)		
	"ID (mm)"	"OD (mm)"	"Width (mm)"
CR-025	25	28	25
CR-029	29	32	25
CR-031	31	34	30
CR-035	35	38	30
CR-039	39	42	30
CR-048	48	51	30
CR-057	57	60	30
CR-060	60.5	63.5	35
CR-072	72	76	35
CR-085	85	89	35
CR-098	98	102	40
CR-104	104	108	40

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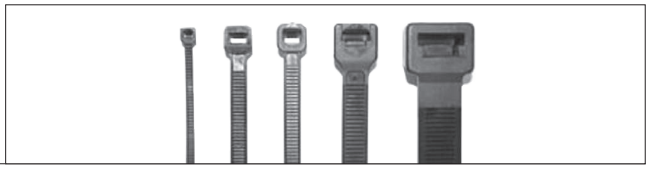
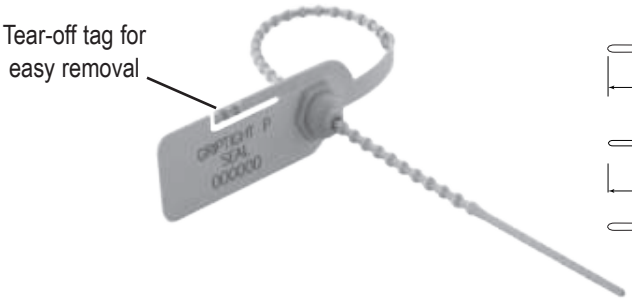
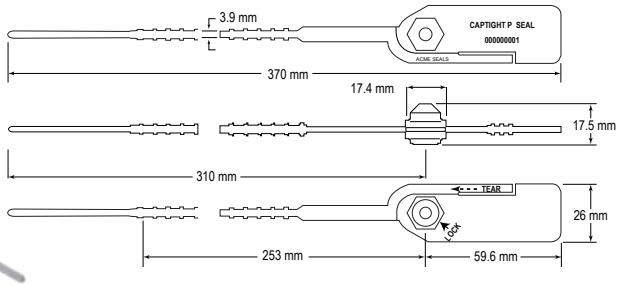
ENSEAL
TAMPER EVIDENT PULL-TIGHT SEAL







Description:

- A versatile pull-tight seal manufactured from two dissimilar materials.
- Acetyl insert incorporates two sets of locking teeth moulded in one insert
- Withstands freezing and boiling conditions
- Flexible polypropylene body for easy use
- Rolled heat staking technology secures the insert to the body
- Will show clear evidence of tampering if forced open or cut
- Incorporates a tear off tag for easy removal
- A user friendly seal suitable for most applications

Materials Specifications:

- Body - White Polypropylene
- Insert - Acetyl
- Average Breaking Strength 8kg
- Consecutively numbered as standard
- Ribbon Diameter 3.9mm
- Available Operating Length 31cm (overall 37cm)

Applications:

- Airline Cargo, Trailers, Tankers, Containers, Rail freight, Containers, Refineries, Postbags, Fire doors, Lockers

ENSEAL TAMPER EVIDENT PULL-TIGHT SEAL			
Product Code	Description	Operating Length mm	Pack Size
ENSEAL-1	White Polypropylene Tamper Evident Seal	310	100

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HOSE CLEANING
GUNS, PROJECTILES & KITS

IMPORTANT USAGE NOTE:
Hoses must be cleaned FROM BOTH ENDS by use of the appropriate pellet BEFORE installing the fittings

Description:

The Pirtek hose cleaning kit is the ideal choice for high volume cleaning of hydraulic pipes and hoses, as well as dry and liquid flow lines. The unit shoots oversized foam projectiles to clean straight, curved and coiled tubes, pipes and hoses 3/16"-2" (4.8-51mm) I.D. A hinged nozzle housing allows rapid loading of projectiles for fast throughput of large cleaning jobs

Mobile Solution:

For applications where only hoses are required to be cleaned, our VKIT-2is ideal for sizes up to 2".

Special Situations:

A wide range of special projectiles are available to special order for special situations

Examples include:

Abrasive: Hose, tube or pipe with build up of contamination, surface rust or scale.

Grinding: Straight lengths of tube or pipe with greater build up of contamination, surface rust or scale

PIRTEK CLEANING KITS - Comes in lockable, sturdy carry case & quick connect air couplings	
Product Code	**Description**
VKIT-2	Cleaning of hose range between 6mm to 50mm (1/4" to 2") 10 x (white) nozzles, AM-2 hand piece
FKIT	Cleaning of hose, tube & pipe range between 5mm to 50mm (3/16" to 2") 10 x hose (white) nozzles, 14 x Tube/JIC (green) nozzles. AM-2 hand piece.

REPLACEMENT PARTS	
Product Code	**Description**
PJ-32H	32mm launcher head for nozzles up to 32mm. Suits AM-1 hand piece
PJ-HA1	AM-1 hand piece
PJ-50H	50mm launcher head, comes with adaptor ring to suit smaller nozzles. Suits AM-2 hand piece
PJ-AR	Adaptor ring suit PJ-50H launcher head for nozzles up to 32mm
PJ-HA2	AM2 hand piece
PJ-HN06	Nozzle (white) suits 1/4" hose
PJ-HN08	Nozzle (white) suits 5/16" hose
PJ-HN10	Nozzle (white) suits 3/8" hose
PJ-HN13	Nozzle (white) suits 1/2" hose
PJ-HN16	Nozzle (white) suits 5/8" hose
PJ-HN19	Nozzle (white) suits 3/4" hose
PJ-HN25	Nozzle (white) suits 1" hose
PJ-HN32	Nozzle (white) suits 1.1/4" hose
PJ-HN38	Nozzle (white) suits 1.1/2" hose
PJ-HN50	Nozzle (white) suits 2" hose

Launcherhead(PJ-50Hshown)

Adaptor ring

Hand piece (PJ-HA1 shown)

Hose Nozzle

STANDARD HOSE PELLETS				
Product Code	**Description**	**Qty per Bag**	**Suits Pipe ID**	**Suits Hose ID**
			mm	**ins**
PJS-007	STANDARD PELLET - 7 mm	300	6	1/4"
PJS-010	STANDARD PELLET - 10 mm	300	8	5/16"
PJS-012	STANDARD PELLET - 12 mm	300	10	3/8"
PJS-016	STANDARD PELLET - 16 mm	300	13	1/2"
PJS-020	STANDARD PELLET - 20 mm	300	16	5/8"
PJS-022	STANDARD PELLET - 22 mm	300	19	3/4"
PJS-033	STANDARD PELLET - 33 mm	50	25	1"
PJS-040	STANDARD PELLET - 40 mm	50	32	1.1/4"
PJS-050	STANDARD PELLET - 50 mm	40	38	1.1/2"
PJS-060	STANDARD PELLET - 60 mm	30	50	2"
PJS-070	STANDARD PELLET - 70 mm	10	63	2.1/2"
PJS-075	STANDARD PELLET - 75 mm	10	70	
PJS-085	STANDARD PELLET - 85 mm	10	80	3"

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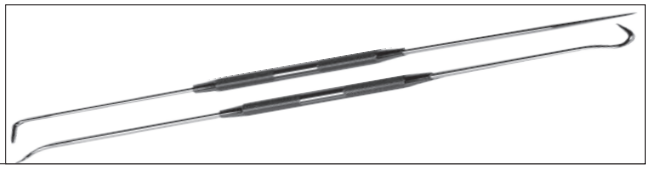
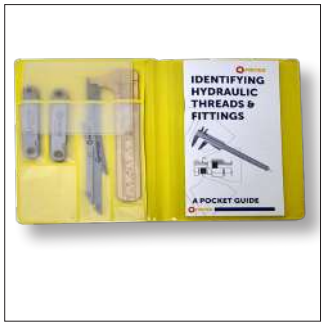
THREAD IDENTIFICATION AND TOOL KITS



TIK

THREAD IDENTIFICATION KIT



Product Code	Description
TIK	Thread Identification Kit

Description

- An all-in-one solution that addresses the need for a simplified guide to identifying the wide range of hydraulic fittings in common use world wide

Advantages

- Most kits simply list the various fitting types and give a run-down on their identifying characteristics. With these, identifying an unfamiliar thread involves searching through page after page of technical data.
- Pirtek's Kit adopts a more logical. approach. Simply choose which picture(s) most closely resemble the unknown fitting, and you will be directed to a small selection of fittings that represent the most likely candidates, along with the page numbers on which they appear in detail.

Contents

- The Tools You Need
- 3 Steps to Success
- Pictorial Guides
- BSP / JIC / UNO
- SAE / NPT / ORFS
- Flanges
- Metric Ports & Studs
- Metric Compression
- Millimetrique / GAZ
- Metric Face Seal (Chinese)
- JIS Metric & BSP
- Banjos Metric & BSP
- Staplelok / Super Staplelok
- SKV / SSKV
- Handy Tips / Variations

TIK-DIG

THREAD ID DIGITAL TOOL KIT

Product Code	Description
TIK-DIG	THREAD ID DIGITAL TOOL KIT

Description:

- The Branded Measuring Kit "TIK-DIG" wil increase the awareness of Pirtek among the customers circle and will distinguish the product from the competition.

Contents:

- Digital Venier (incl battery)
- Steel Ruler 6"
- Metric and Imperial Identifier Tool
- Angle Gauge
- Thread Identification Booklet

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THREAD IDENTIFICATION AND TOOL KITS

VTSOHP

2 PIECE O-RING HOOK AND PICK TOOL SET

Product Code	Description
VTSOHP	2 Piece O-Ring Hook and Pick Tool Set

Description:

- 2 ideal tools for facilitating the removal and installation of o-rings, seals & washers

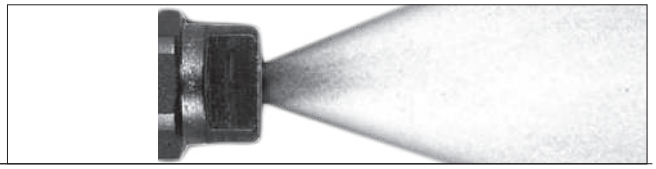
Specification:

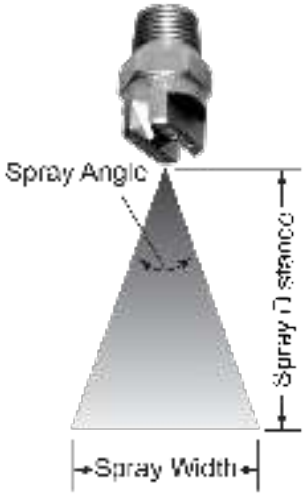
- knurled handle design to ensure positive grip is made from aluminium alloy
- the metal rods are made of S2 alloy steel with tip hardness of between 58-62 Rockwell C

Safety Caution:

Always wear eye protection to prevent personal injury

PRESSURE WASHERS
GUNS, NOZZLES & COUPLINGS





SPRAY WIDTH TABLE (THEORETICAL COVERAGE)

Spray Distance	Nozzle Spray Angle 5°	15°	25°	40°	65°	80°	110°
100	9	26	44	73	127	168	286
125	11	33	55	91	159	219	357
160	14	42	71	116	204	268	457
200	18	52	86	146	255	336	571
250	22	66	111	182	319	420	714
315	27	83	140	229	401	529	900
400	35	105	177	291	510	671	1143
500	44	132	222	364	637	839	1428
630	54	166	279	459	803	1057	1799
800	70	211	355	582	1019	1343	2285
1000	90	260	440	730	1270	1680	2860
All measurements in mm							

TABLE OF RECOMMENDED FLOW RATES (LITRES / MINUTE) FOR DIFFERENT PRESSURES AND NOZZLE SIZES †

Nozzle Ø mm	Nozzle Size	Colour Code	Pressure in bar 20	30	40	50	60	80	100	120	150	175	200	225	250	300	400	500
1.09	0.030	White	3.1	3.7	4.3	4.8	5.2	6.0	6.7	7.3	8.2	8.9	9.5	10.0	10.5	11.6	13.4	15.0
1.19	0.040	Dk. Yellow	4.2	5.2	5.9	6.6	7.0	8.1	9.1	10.0	11.1	12.2	12.9	13.5	14.4	15.8	18.2	20.3
1.27	0.045	Blue	4.5	5.5	6.4	7.1	8.0	9.2	10.3	11.3	12.6	13.0	14.6	15.3	16.3	17.8	20.6	23.0
1.35	0.050	Lt. Purple	5.1	6.2	7.1	8.0	8.7	10.0	11.2	12.3	13.7	14.9	15.8	16.7	17.7	19.4	22.4	25.0
1.40	0.055	Dk. Red	5.6	6.8	7.8	8.7	9.8	11.3	12.6	13.8	15.4	16.7	17.8	18.8	19.9	21.8	25.2	28.2
1.47	0.060	Dk. Green	6.0	7.4	8.6	9.6	10.6	12.3	13.7	15.0	16.8	18.2	19.4	20.4	21.7	23.7	27.4	30.6
1.52	0.065	Lt. Blue	6.6	8.0	9.3	10.4	11.5	13.2	14.8	16.2	18.1	19.7	20.9	21.9	23.0	25.6	29.6	33.0
1.60	0.070	Orange	7.1	8.6	10.0	11.2	12.4	14.3	16.0	17.5	19.6	21.2	22.6	23.8	25.3	27.7	32.0	35.8
1.65	0.075		7.6	9.3	10.7	12.0	13.1	15.2	16.9	18.5	20.7	22.4	23.9	25.3	26.7	29.4	33.7	37.7
1.70	0.080	Silver	8.0	9.8	11.3	12.7	14.1	16.3	18.2	19.9	22.3	24.1	25.7	27.0	28.8	31.5	36.4	40.7
1.75	0.085	White Rose	8.5	10.4	12.1	13.5	15.0	17.4	19.4	21.3	23.8	25.7	27.4	28.8	30.7	33.6	38.8	43.4
1.80	0.090	Gold	9.1	11.1	12.8	14.3	16.3	18.8	21.0	23.0	25.7	28.0	29.7	30.3	33.2	35.1	42.0	47.0
1.90	0.100	White Blue	10.0	12.3	14.2	16.0	17.8	20.6	23.0	25.2	28.2	31.0	31.8	32.5	36.4	39.8	46.0	51.4
2.34	0.150		15.1	18.5	21.3	23.9	26.1	30.2	33.8	36.9	41.3	44.6	47.7	50.5	53.3	58.7	67.2	75.2
2.69	0.200	White Red	20.1	24.7	28.5	31.9	35.6	41.1	46.0	50.4	56.3	61.0	65.1	68.3	71.1	79.7	92.0	102.9
2.99	0.250		25.2	30.9	35.1	39.8	43.6	50.4	56.4	61.8	69.1	74.6	79.8	84.6	89.2	96.0	110.0	125.0
3.30	0.300		30.2	37.0	42.7	47.8	52.4	60.5	67.6	74.0	82.8	89.4	95.6	101.0	107.0	118.0	149.0	151.0
3.56	0.350		35.3	43.2	50.0	55.8	61.1	70.5	78.9	86.4	96.6	104.0	111.0	118.0	125.0	130.0	162.0	175.0
3.81	0.400		40.3	49.4	57.0	63.7	69.8	80.7	90.2	98.8	110.0	119.0	127.0	135.0	143.0	157.0	198.0	202.2
4.24	0.500		50.5	61.6	71.4	79.8	87.4	100.9	112.9	124.0	138.0	149.0	160.0	169.0	178.0	200.0	225.0	249.0
4.65	0.600		60.5	74.2	85.6	95.7	104.9	121.1	135.4	148.0	166.0	179.0	191.0	203.0	214.0	235.0	260.0	302.0

† Tabulated values indicative only

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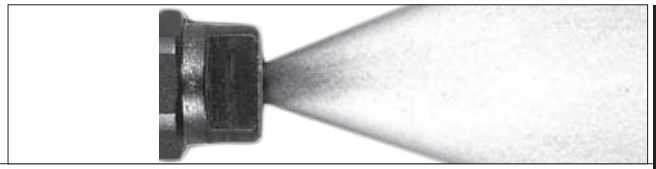
PRESSURE WASHERS
GUNS, NOZZLES & COUPLINGS



IPW-16.
MEG NOZZLES - 1/4” NPT

15° Chiseling		25° Flushing		40° Wash	
Product Code	Orifice (inch)	Product Code	Orifice (inch)	Product Code	Orifice (inch)
		IPW-16.1325.25	0.025		
				IPW-16.1340.30	0.030”
IPW-16.1315.35	0.035”				
IPW-16.1315.40	0.040”				
IPW-16.1315.45	0.045”	IPW-16.1325.45	0.045”		
IPW-16.1315.50	0.050”				
		IPW-16.1325.65	0.065”		

- Stainless Steel
- Rated to 250 bar
- 1/4” NPT Male Thread
- Can be ordered as a BSPT option

IPW-21.
ADJ. DETERGENT INJECTOR

Product Code	Inlet	Outlet	Nozzle	Type
IPW-21.0150.21	3/8” BSP Male	3/8” BSP Male	2.1 mm	Adjustable

- Flow Capacity 30 l/min
- Rated to 280 bar max.
- Max. Temp 90°C

IPW-25.0700
VARIABLE SPRAY HI-LO NOZZLE

Product Code	Colour Code	Orifice	Inlet	Capacity	Pressure
IPW-25.0700.14	Dark Yellow	0.040	1/4” BSP Female	40 L/min	250 bar
IPW-25.0700.15	Blue	0.045	1/4” BSP Female	40 L/min	250 bar

- Push forward for low pressure detergent injection
- Pull back for high pressure activation

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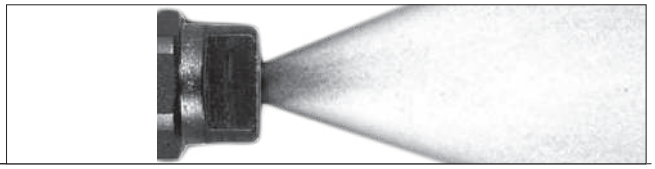
PRESSURE WASHERS
GUNS, NOZZLES & COUPLINGS



IPW-25.16xx
ROTATING TURBO NOZZLE

Blue UR25 (80 - 250 bar)			Red UR32 (180 - 352 bar)		
Product Code	Colour Code	Orifice (inch)	Product Code	Colour Code	Orifice (inch)
IPW-25.1620.30	White	0.030”			
IPW-25.1620.35	Brown	0.035”			
IPW-25.1620.40	Dark Yellow	0.040”	IPW-25.1690.40	Dark Yellow	0.040”
IPW-25.1620.45	Blue	0.045”			
IPW-25.1620.50	Light Blue	0.050”			
IPW-25.1620.55	Dark Red	0.055”			
IPW-25.1620.70	Orange	0.070”			

- Concentrated stream in a conical pattern
- Inlet 1/4” BSPT Female Thread

IPW-26.00xx
M22x1.5 TYPE A STANDARD NIPPLE

M22 Standard Adaptor Nipples		
Product Code	Metric Thread	BSP Thread
IPW-26.0002.31	M22 x 1.5	1/4” Fem
IPW-26.0030.31	M22 x 1.5	3/8” Male
IPW-26.0031.31	M22 x 1.5	3/8” Fem
IPW-26.0051.31	M22 x 1.5	1/4” Male

- All examples use a M22x 1.5 metric thread to take a 14 mm pin of standard length
- BSP adaptor threads as tabulated
- Suit flow rates to 40 litres / min
- Rated pressure 250 bar (max. 280 bar)

IPW-26.0250
M22 STANDARD CONNECTOR NUTS

M22 Standard Connector Nuts		
Product Code	Metric Thread	BSP Thread
IPW-26.0250.20	M22 x 1.5	1/4” Female
IPW-26.0250.30	M22 x 1.5	1/4” Male
IPW-26.0250.40	M22 x 1.5	3/8” Female
IPW-26.0250.50	M22 x 1.5	3/8” Male

- All examples use a M22x 1.5 metric thread and incorporate a 14 mm pin of standard length
- BSP adaptor threads as tabulated
- Suit flow rates to 40 litres / min
- Rated pressure 250 bar (max. 280 bar)

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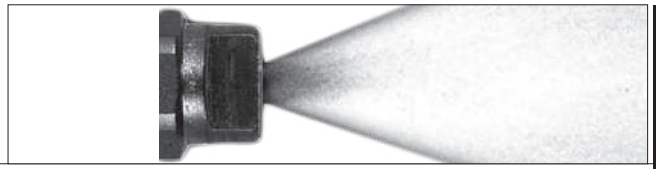


IPW-26.1032

M22x1.5 TYPE A EXTENDED NIPPLE

M22 Extended Pin Adaptor Nipples		
Product Code	**Metric Thread**	**BSP Thread**
IPW-26.1032.31	M22 x 1.5	1/4" Fem

- M22x 1.5 metric thread to accommodate an extended length 14 mm pin
- 1/4" BSP female adaptor thread
- Suit flow rates to 40 litres / min
- Rated pressure 250 bar (max. 280 bar)

Extended vs Standard
Nipple Length

IPW-26.1034

M22 EXTENDED CONNECTOR NUTS

M22 Standard Connector Nuts		
Product Code	**Metric Thread**	**BSP Thread**
IPW-26.1034.20	M22 x 1.5	1/4" Female
IPW-26.1034.50	M22 x 1.5	1/4" Male

- M22x 1.5 metric thread incorporating a 14 mm pin of extended length
- BSP adaptor threads as tabulated
- Suit flow rates to 40 litres / min
- Rated pressure 250 bar (max. 280 bar)

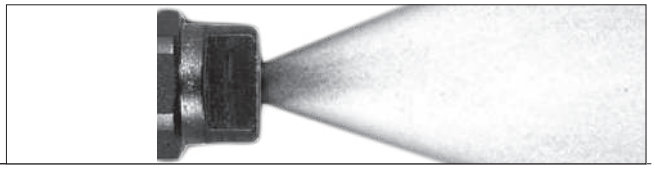
IPW-26.1050

IN-LINE BRASS SWIVEL

In-Line Brass Swivel		
Product Code	**Inlet**	**Outlet**
IPW-26.1050.00	3/8" BSP Male	3/8" BSP Female

- Suit flow rates to 40 litres / min
- Rated pressure 250 bar (max. 280 bar)

PRESSURE WASHERS
GUNS, NOZZLES & COUPLINGS



IPW-26.2010
BALL QUICK COUPLING BODY

3/8" QUICK COUPLING BODY		
Product Code	**BSP Thread**	
IPW-26.2010.00	3/8" Male	
IPW-26.2010.10	3/8" Female	
IPW-26.2010.20	1/4" Female	

- Nickle Plated Brass
- 279 bar working pressure

IPW-26.20xx
BALL QUICK COUPLING PLUG

3/8" QUICK COUPLING PLUG		
Product Code	**BSP Thread**	
IPW-26.2015.61	3/8" Female	
IPW-26.2016.61	1/4" Female	
IPW-26.2023.61	3/8" Male	

- Nickle Plated Brass
- 279 bar working pressure

IPW-28.1000
STRAINER WITH CHECK VALVE

Plastic Strainer with Check Valve		
Product Code	**Hose Barb**	
IPW-28.1000.30	7 mm	

- 7 mm hose barb
- Stainless steel check valve
- Plastic body

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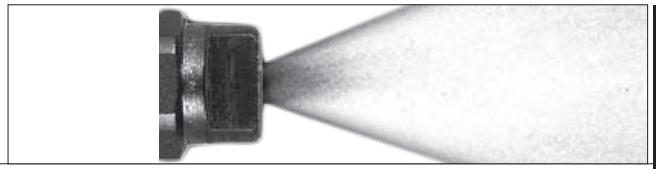
PRESSURE WASHERS
GUNS, NOZZLES & COUPLINGS



IPW-30.12xx
RL37 SPRAY GUNS

RL37 SPRAY GUNS WITH SWIVEL INLET				
Product Code	**Inlet**	**Outlet**	**Max Pressure**	**Feature**
IPW-30.1215.00	3/8" BSP Fem c/w swivel	1/4" BSP Fem	5000 Psi	Weep Gun †
IPW-30.1220.86	3/8" BSP Fem c/w swivel	1/4" BSP Fem	5000 Psi	

- 3/8" BSP female swivel attachment
- Suit flow rates to 40 litres / min
- Max 160°C

† By Design, this gun will continue to weep even after the handle is released. This is to prevent lines in colder climates freezing up.

IPW-30.20xx
VEGA TOUGH SPRAY GUNS

VEGA SPRAY GUNS				
Product Code	**Inlet**	**Outlet**	**Inlet Swivel**	**Max Pressure**
IPW-30.2000.86	3/8" BSP Fem	1/4" BSP Fem	No	5000 Psi
IPW-30.2030.92	3/8" BSP Fem	1/4" BSP Fem	Yes	5000 Psi

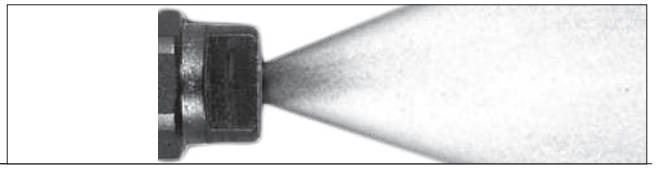
- 3/8" BSP female attachment
- Suit flow rates to 40 litres / min
- Max 160°C
- Robust Design

IPW-30.4500
RL56 PROFESSIONAL SPRAY GUN

RL56 PROFESSIONAL SPRAY GUN c/w SWIVEL			
Product Code	**Inlet**	**Outlet**	**Max Pressure**
IPW-30.4500.10	3/8" BSP Fem c/w swivel	1/4" BSP Fem	5650 Psi

- High pressure low volume gun
- Suit flow rates to 30 litres / min
- Max 160°C

PRESSURE WASHERS
GUNS, NOZZLES & COUPLINGS



IPW-30.6425.86
RB65 SPRAY GUN - FOOD INDUSTRY

RB65 WASH DOWN GUN WITH SWIVEL INLET		
Product Code	**Inlet Thread**	**Temperature**
IPW-30.6425.86	1/2" BSPP Female c/w swivel	Up to 90°C

- Specialty gun for low pressure wash down
- Ideal in food, dairy and transit mixer applications
- adjustable flow capacity from 0-60 liters/min
- 24 bar working pressure
- Shock proof design
- Blue rubber extremities prevent breakage when dropped
- The ideal companion to Pirtek Premium Washdown Hose IRPWD

IPW-40.0370
VENTED HAND GRIP

VENTED 380 mm HAND GRIP		
Product Code	**Inlet**	**Outlet**
IPW-40.0370.00	1/4" BSP Male	1/4" BSP Female

- Flow Rate 40 litres/min
- Zinc plated steel tube
- 250 bar working pressure
- 380 mm long

IPW-40.0503
STAINLESS STEEL LANCE TUBE

Stainless Steel Lance Tube 500 mm		
Product Code	**Length**	**Pressure**
IPW-40.0503.56	500 mm	250 bar

- 1/4" BSP male threaded ends
- 40 litres/min flow capacity
- Stainless steel tube

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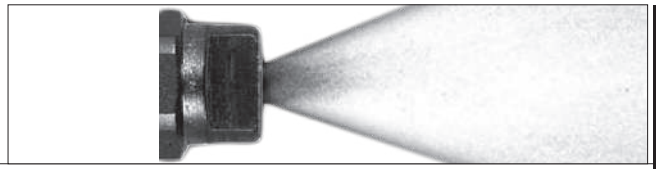

IPW-40.0965.00
S3 VENTED GRIP SPRAY LANCE

S3 VENTED GRIP SPRAY LANCE 900 mm				
Product Code	**Inlet**	**Outlet**	**Pressure**	**Length**
IPW-40.0965.00	1/4" BSP Male	1/4" NPT Female	250 bar	900 mm

- Stainless steel tube
- 40 litres/min flow capacity
- Vented plastic grip
- Complete with nozzle protector

IPW-41.0900.00
DUAL HI-LO SPRAY LANCE

DUAL HI-LO SPRAY LANCE WITH VENTED GRIP 1090 mm				
Product Code	**Inlet**	**Outlet**	**Pressure**	**Length**
IPW-41.0900.00	1/4" BSP Male	1/4" NPT Female	250 bar	1090 mm

- Stainless Steel
- 40 litres/min flow capacity
- 250 bar working pressure
- Vented plastic grip
- Twist grip allows switching between high pressure and low pressure (detergent)

IPW-60.0016.60
PULSAR UNLOADER WITH GAUGE PORT - 3200 psi WP

PULSAR 3 UNLOADER VALVE WITH PRESSURE GAUGE PORT			
Product Code	**Inlet (2)**	**Outlet**	**By-Pass (2)**
IPW-60.0016.60	3/8" BSP Fem	3/8" BSP Fem	3/8" BSP Fem

- Suits flow rates to 30 litres / min
- 220 bar working pressure (250 bar max)
- Includes 1/4" BSP pressure gauge port
- 90°C max temperature

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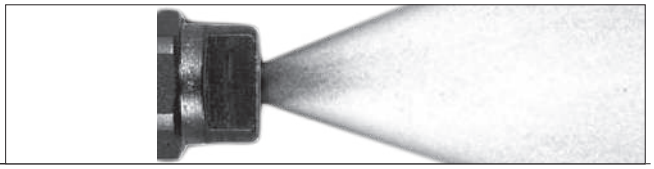
PRESSURE WASHERS
GUNS, NOZZLES & COUPLINGS



IPW-85.240.300
DETERGENT NOZZLE 1/4” NPT TO SUIT DUAL LANCE - BRASS

Brass Detergent Nozzle	
Product Code	**Function**
IPW-85.240.300N	Detergent

- Adds detergent in dual lance guns
- 1/4” NPT Male Thread
- Can be ordered as a BSPT option

IPW-85.300
QUICK CONNECT COUPLING BODY

Product Code	NPT Thread	Material	Working Pressure
IPW-85.300.102	1/4” Female	Brass	137 Bar
IPW-85.300.102S	1/4” Female	Stainless	345 Bar
IPW-85.300.153S	1/2” Female	Stainless	345 Bar

QUICK CONNECT COUPLING PLUG
DETERGENT NOZZLE 1/4” NPT TO SUIT DUAL LANCE - BRASS

Product Code	NPT Thread	Material	Working Pressure
IPW-85.300.101S	1/4” Female	Stainless	345 Bar
IPW-85.300.109S	1/4” Male	Stainless	345 Bar
IPW-85.300.151S	1/2” Female	Stainless	345 Bar

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ANTI-KINK GUARD

SUIT 2” HLZ CRIMP FITTINGS

Plated steel hose guard sleeve designed to be crimped over 2” HLZ ferrule series hose fittings. The sleeve ensures that hose movement in the immediate vicinity of the hose tail is constrained, thus reducing potential damage to the inside liner of the hose in high impulse applications. The sleeve incorporates an O-ring designed to seal against the hose to prevent the ingression of dirt and water entering the sleeve.

Part Number	Description
AK-HLZ-32	Anti-Kink hose guard suit 2" HLZ Fittings
AK-OR-HLZ-32	Replacement O-Ring suit AK-HLZ-32 guard

JWH & SRP

STRAIN RELIEVERS - for Hose Ends

JWH-04	Blue strain reliever to suit JW250-04 & JW250A-04 Jet Wash Hose
JWH-06	Blue strain reliever to suit JW250-06, JW400-06 & JW400A-06 Jet Wash hose

SRP-04 Strain Reliever

SRP-06 Strain Reliever

SRP-04	Black plastic strain reliever to suit JH70-04 Jacking Hose
SRP-06	Black plastic strain reliever to suit JH70-06 Jacking Hose

JH70-06 assembly with Strain Reliever attached to resist kinking of the hose at the end of the Ferrule

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FCS
STEEL SPRING GUARD

Description:

- Wound heavy gauge galvanised wire ideal for the protection of hose exposed to severe operating conditions
- The wire helps to distribute a bending radius on curved hoses, and reduces the likelihood of kinking
- Helps prevent abrasion and resists deep cuts

Materials and Specifications:

- Galvanised steel wire

Applications:

- Common in quarries as protection from flying stones

STEEL SPRING GUARD						Suits Hose Type & Dash Size				
Product Code	Dimensions mm				Box Quantity	R1AT / PE2	R2AT	C25 / PC25 / PE435	C35 / PC35	C42 / PC42 / PE442 / PE642
	ID	OD	Wire Ø	Pitch						
FCS-00	7	9,5	1.25	4	10x5 m	Suits DN2 Mini test hose and 3x6mm Lubrication tube.				
FCS-01	10.8	13.2	1.2	5	10 x 5 m	Intended for use with small diameter Thermoplastic, STH hose and PCLH Lube hose				
FCS-02	13	15.2	1.2	5	4 x 5 m	Intended for use with Bridgestone® hose PLT-04 (Komatsu® specific)				
FCS-03	15	18.2	1.6	5.5	10 x 5 m	-03, -04	-03			
FCS-04	16	19.2	1.6	5.5	10 x 5 m	-05	-04		-05	-04
FCS-06	20	23.2	1.6	5.5	8 x 5 m	-06	-05, -06		-06	
FCS-08	23.5	27.5	2	6	6 x 5 m	-08	-08		-08	-06
FCS-10	26.5	30.5	2	6	5 x 5 m	-10	-10	-10		-08
FCS-11	30	34	2	6	5 x 5 m	-12		-12	-10, -12	
FCS-12	33	37	2	6	4 x 5 m		-12			-12
FCS-14	38	43	2.5	7.5	3 x 5 m	Used in conjunction with DAS sleeve on -12 sizes				
FCS-16	41	46	2.5	7.5	3 x 5 m	-16	-16	-16	-16	-16
FCS-20	48.5	53.5	2.5	7.5	2 x 5 m	-20	-20	PC25-20	PC35-20 / PE435 -20	
FCS-24	54	59.6	2.8	9	2 x 5 m	-24		C25-20	C35-20	-20
FCS-30	59.5	65.1	2.8	7.5	2 x 5 m		-24	-24	-24	-24
FCS-32	69	75.3	3.15	8	2 x 5 m	-32	-32			
FCS-36	75	81.3	3.15	7.5	1 x 5 m				C35-32	C42EH-32
FCS-38	83	89.3	3.15	12	1 x 5 m	SUITS R4HT - 40 / R2AT - 40				

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DAS
DIFFUSION ABRASION SLEEVE

Offers high abrasion resistance

Available in black or red

DAS can assist in reducing the dangers of hose leaks or pinhole failure

MSHA Approval

Description:

- Black or red textile (Polyamide 6) sleeve for the assistance in protection of people and machinery via protection and bundling of hose, hose assemblies, cables, wires etc.
- Dense yet not bulky protection is achieved through
  1. protection of the encased product from abrasion
  2. being very effective in reducing the concentrated stream of pin hole leaks
- Burst resistant
- The smooth surface facilitates sliding over even very long assemblies, and use of talcum powder or compressed air will further facilitate the process
- Offers good leakage containment in the event of hose failure

Materials and Specifications:

- De-aerated compact woven nylon fibres (Polyamide 6)
- In test conditions the sleeve contained the sharp stream of hydraulic oil passing through a 0.8 mm Ø pre-drilled hole when the pressure was raised to 800 bar and held for 1 minute
- Abrasion resistance exceeds the requirements of ISO 6945 (holds up to 50,000 cycles)
- Oil retention capability of 100 PSI pressure for 3 Minutes when tested to SAE J343
- Approved by USMSHA (Fire resistance) for the use in mines.
- Tested to ISO 8031 for electrical conductivity (anti-static)
- Working temperature -60°C to 125°C
- Melting point 225°C +/- 10°C
- UV Resistance as per BS EN13758-1

Applications:

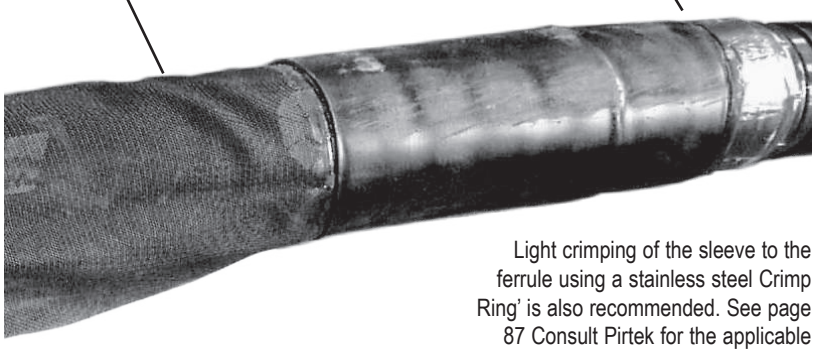
- Widely used as abrasion protection wherever hoses and cables may be exposed to damage through rubbing
- Gaining widespread acceptance as an effective (though not total) barrier to the dangers of hydraulic hose leaks in the vicinity of personnel, especially in underground coal mining
- Additional protection can be achieved using two layers of DAS sleeve
- The sleeve must be securely fixed to the ferrule of the hose fitting if effective protection is to be achieved at the hose to fitting interface. Epoxied heat shrink is preferred, although other methods may be adopted
- A loose fit is preferred when seeking to gain protection against a hose leak
- Meets MDG41 requirements

IMPORTANT SAFETY NOTE:
Diffusion Abrasion Sleeve (DAS) is a diffusion device and conditionally a burst suppression device

PIRTEK DIFFUSION ABRASION SLEEVE				
Product Code		Nominal ID mm		Coil Length
		Flat	Round Ø	m
Black	Red			
DAS-20	DAS-20RD	31	20	50
DAS-25	DAS-25RD	39	25	50
DAS-31	DAS-31RD	49	31	50
DAS-40	DAS-40RD	63	40	50
DAS-53	DAS-53RD	83	53	50
DAS-60	DAS-60RD	94	60	50
DAS-73	DAS-73RD	115	73	50
DAS-93	DAS-93RD	146	93	50
DAS-112	DAS-112RD	176	112	50

Photo illustrates a secure fixing to the hose ferrule using epoxied heatshrink

Note the loose fit



Light crimping of the sleeve to the ferrule using a stainless steel Crimp Ring' is also recommended. See page 87 Consult Pirtek for the applicable crimp dimensions

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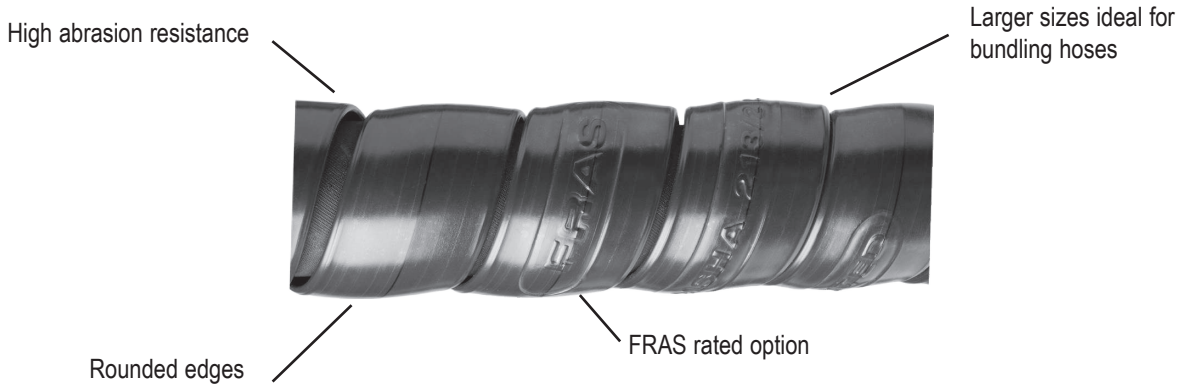
SSG / FRASG

SPIRAL SAFETY GUARD AND FRAS GUARD



Description:

- High density polyethylene with a domed centre and rounded edges strip wound
- An ideal and economical hose wrap for individual hoses or for use in bundling
- Available as normal safety wrap, and also in an approved fire resistant and anti-static (FRAS) form for use in underground coal mines
- UV resistant
- Rounded edges prevent industrial injury
- Can be retrofitted on site to existing hoses and bundles while in place
- Self lubricating properties
- Exceptional anti-crushing and abrasion resistance

Materials and Specifications:

- High density polyethylene copolymer
- ASTM D792 density 1.03 g/cm^2
- ASTM D648 temperature 103°C
- ASTM D2863 Oxygen Index 26%
- International compliance to EN ISO 6805 tests 8030 and 8031
- FRAS version Approval No. MSHA IC-213/2
- *Not approved for use on electrical cables*
- Working temperature -100°C to +100°C
- Vicat softening temperature +130°C (Pin Penetration Test)

Applications:

- Agricultural equipment
- Mining and quarrying
- Oil and gas distribution
- Forestry (colour coding available to order)
- Welding hose protection
- Robotic arms and booms
- Transport
- *Not approved for use on electrical cables*

PIRTEK SAFETY SPIRAL GUARD & FRAS GUARD							"Range of Hose OD"	Hose Type Guide
Product Code				Dimensions mm		Coil Length		
Safety Spiral Guard		FRAS Guard						
Black	Red	Black	Red †	OD	ID	mtr	mm	
SSG-012BL	SSG-012RD	-	-	12	8.5	20	9-12	JW250/A-04
SSG-016BL	SSG-016RD	FRASG-016BL	-	14.5	12	20	12-17	HTAB-04 / HTAB-05 / JH70-04 / JH70-06 / PC42-04 / R1AT-04 / R2AT-04
SSG-020BL	SSG-020RD	FRASG-020BL	-	18	15	20	16-22	C42-06 / HTAB-06 / HTAB-08 / JW400/A-06 / PC35-06 / R1AT-06 / R1AT-08 / R2AT-06
SSG-025BL	SSG-025RD	FRASG-025BL	-	22	19	20	22-28	C35-08 / C42-08 / HTAB-10 / PC35-08 / R2AT-08 / R2AT-10 / WB2-08
SSG-032BL	SSG-032RD	FRASG-032BL	FRASG-032RD	27	23	20	27-33	C42-12 / HT1-12 / HTAB-12 / HTFH-16 / PC25-10 / PC25-12 / PC35-10 / PC35-12 / R1AT-12 / R2AT-12 / WB2-12 / WB3-08
SSG-040BL	-	FRASG-040BL	FRASG-040RD	37	32.5	20	33-43	C25-16 / C42-16 / HT1-16 / PC35-16 / R1AT-16 / R2AT-16
SSG-050BL	-	FRASG-050BL	FRASG-050RD	48	43.5	20	44-55	C42-20 / HT2-20 / HT2-24 / HTFH-24 / PC25-20 / PC25-24 / PC35-20 / PC35-24 / PC42-24 / R1AT-20 / R1AT-24 / R2AT-20 / R2AT-24
SSG-063BL	-	FRASG-063BL	FRASG-063RD	58	52.5	20	54-65	R1AT-32
SSG-075BL	-	FRASG-075BL	FRASG-075RD	69	63	10	65-80	C21-32 / C35-32 / HT2-32 / PC42-32 / R2AT-32
SSG-090BL	-	FRASG-090BL	-	83.5	76.5	10	80-150	2SC-48 / JBF-40 / R2AT-40
SSG-110BL	-	FRASG-110BL	-	99	91.5	10	150-170	

† Available on request

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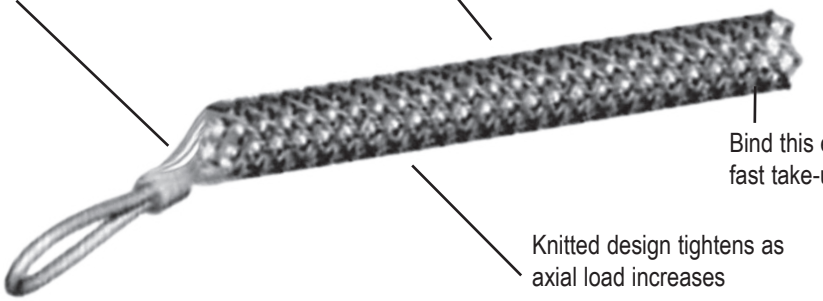
GRIP-CHEK

BRAIDED STEEL WIRE STOCKING



Description:

- Hand made stainless steel or galvanised wire mesh stocking designed to afford maximum grip to a rubber hydraulic hose assembly in the event of fitting failure, thereby minimising uncontrolled whip of the assembly
- Developed to industry requirements in response to increasing demand for higher safety levels in underground mining applications
- Reusable many times (subject to a maintenance schedule)

Materials and Specifications:

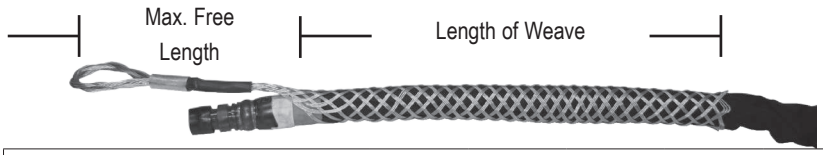
- Stainless steel or galvanised wire strands in various configurations to achieve strength requirements
- Copper ferrules (stainless steel on request)
- Special configurations such as double looped ends and extended reach can be provided to order (**DE** as a suffix signifies double ended types with alloy ferrule. Copper and stainless steel ferrules are available on request)

Applications and Notes:

- Can be used in conjunction with Diffusion Abrasion Sleeve (DAS)
- Provides a closer and stronger grip on the hose than is possible with whip checks
- enables almost direct restraint along the longitudinal axis of the hose to minimise uncontrolled flailing of the hose end

Installation:

- Bind the free end of the weave tightly with tape to ensure a more rapid grip response where initial slipping may otherwise occur
- Must always be affixed to a suitable load bearing attachment point - NOT hose to hose (use Pir-Chek for hose to hose restraint - see page 73)
- The use of Pir-Chek is preferred in the hose size ranges from DN6 to DN20 (-04 to -12. Refer page 73
- Shackle strength to exceed rated wire breaking strain
- 13 to 40mm "slack" over shackle bolt is recommended. It must not be tight to the shackle bolt



GRIP-CHEK									
Product Code	Dimensions mm				Strands in Weave & Wires / Strand	Total Strands	Aggregate Wire Breaking Strain	To Suit Pirtek Hose Product	
								Medium Pressure	High Pressure
Galvanised	Suits Outside Ø	Max. Free Length	I.D. of Eye	Length of Weave	Qty. x No.	No.	kN	R2AT / 2SC	C-PC35/C42/ PE442/PE642
GRIP-CHEKGAL-25	34 - 44	460	62	650	6 x 3	18	53.1	R2AT-16,PE225-16	-16
GRIP-CHEKGAL-32	45 - 55	515	62	650	6 x 3	18	53.1	R2AT-20, R2AT-24	-20
GRIP-CHEKGAL-40	56 - 66	640	75	650	5 x 2	10	75.1	-	-24
GRIP-CHEKGAL-50	67 - 82	720	95	650	5 x 2	10	75.1	R2AT-32, 2SC-40	-32
GRIP-CHEKGAL-63	83 - 100	780	100	650	5 x 3	15	108	2SC-48, JBF-40	-
Stainless Steel									
GRIP-CHEKSS-25	34 - 44	460	62	650	5 x 3	15	53.1	R2AT-16,PE225-16	-16
GRIP-CHEKSS-32	45 - 55	515	62	650	5 x 3	15	53.1	R2AT-20, R2AT-24	-20
GRIP-CHEKSS-40	56 - 66	640	75	650	6 x 2	12	75.1	-	-24
GRIP-CHEKSS-50	67 - 82	720	95	650	6 x 2	12	75.1	R2AT-32, 2SC-40	-32
GRIP-CHEKSS-63	83 - 100	780	100	650	6 x 3	18	108	2SC-48, JBF-40	-
Double Eye Styles Galvanised									
GRIP-CHEKGAL-10-DE	19 - 28	190	15	500	6 x 2	12	38	Polyflex-06	-
GRIP-CHEKGAL-13-DE	28 - 40	230	18	600	6 x 2	12	57	-	WB1100-08
GRIP-CHEKGAL-50-DE	60 - 70	330	22	900	6 x 2	12	100		IRSAB-051

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PIR-CHEK

PIRTEK WHIP CHECK FOR HOSES

WHIP CHECK HOSE SAFETY

This safety product has been designed for the high pressure hydraulic hose industry. Risk Assessment surveys have identified the danger of hose failure leading to potential serious injury from a "whipping hose".

This product helps eliminate that potential danger. Constructed from galvanised wire or stainless steel (on request), nickel plated bronze or stainless steel crimps.

RETROFIT WHIP CHECK HOSE SAFETY

Pirtek Retrofit Whip-Checks offer the same features and safety characteristics as our standard Whip-Checks with the advantage of being able to be placed onto hose assemblies already in-situ on circuits. Simply pass the Whip-Check around the hose making a figure 8 then feed the wire cable through the slot, tighten the cable then secure the cable by tightening the grub screw. Attach the end to a suitable anchor point.

For securing two hose assemblies, use the double loop retrofit whip checks, which has the grub screw anchor slot at each end.

DESCRIPTION

A specially fabricated high strength wire assembly (4mm or 6mm stainless steel) designed to prevent uncontrolled flaying of a hose in the event of fitting blow off or accidental disconnection.

- For effective implementation, each assembly must be custom made to suit the specific requirements) including Retrofit styles
- Products have been tested by Test Safe Australia for use at 450 bar working pressure and flow rates to 400 litres per minute (dependent on hose diameter)
- A durable plastic tag with installation instructions is attached to each cable
- Customer specific colour codes and other information can be addedon request.

MATERIALS SPECIFICATIONS

- Available in 2 gauges of stainless steel high strength wire, 4mm for hoses up to 1" or 6mm for hoses above 1".
- Terminating loops sized to suit hose type and ferrule dimensions
- Clamps of nickel plated copper or stainless steel

MADE TO ORDER - DETERMINING THE REQUIRED LENGTH:

- Measure hose OD
- Measure ferrule/ fitting OD
- For hose to fixed point applications measure from the proposed anchor point to a point 150 mm beyond the ferrule and add 200mm. Document the anchor point
- For hose to hose applications measure from a point 150mm beyond the ferrule of one hose to the corresponding point of the second hose and add 200mm
- Specific requirements of colour codes etc.

APPLICATIONS

- Used whenever the occurrence of hose fitting blow-off or accidental disconnection of a hose end could endanger the lives of personnel working nearby
- Primarily intended for use in underground mines where confined spaces make hydraulic hose failures potentially very dangerous
- Good also for securing compressed air and steam hoses where sudden expansion of released gas can cause severe whipping, although Pirtek's cable stocking style Gripchek may be better suited to these applications

PART NUMBERS	DESCRIPTION
PIR-CHEK	Basic 4mm S/S Whip-check up to 2000mm
PIR-CHEK-C	Colour coded 4mm S/S Whip-check up to 2000mm
PIR-CHEK-X	Basic 6mm S/S Whip-check up to 2000mm
PIR-CHEK-X-C	Colour coded 6mm S/S Whip-check up to 2000mm
PIR-CHEK-R	Retrofit 4mm S/S Whip-check single loop up to 2000mm
PIR-CHEK-R-D	Retrofit 4mm S/S Whip-check double loop up to 2000mm
PIR-CHEK-X-R	Retrofit 6mm S/S Whip-check single loop up to 2000mm
PIR-CHEK-X-R-D	Retrofit 6mm S/S Whip-check double loop up to 2000mm

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TEMPERATURE INDICATOR LABELS

Pirtek adhesive temperature indicator labels are designed for surface temperature monitoring in applications across a broad range of industries.
These labels are made of a strong polyester material, heavy duty, oil, water & steam resistant with a strong adhesive backing which can be attached to almost any surface.

· Indicators change to black when reached the particular temperature activation point, accuracy +/-1.5ºC
· Immediate response to temperature
· Irreversible, permanent record of highest temperature reached
· Small and easy to use, 52mm x 25mm
· Temperature range 104ºC up to 132ºC. Other temperature ranges available on request
· Dual temperature scale, Celsius and Fahrenheit
· Labels supplied in a match book (10 labels)

Noticing an increase of temperature on a component or in machinery can allow for preventative
maintenance to be scheduled rather than having to shut down as a result of failure.
Ideal for observing machinery overheating, monitoring temperature surface, prevention of heat-related deterioration for pharmaceuticals & food stuffs.

Product Code	Description
PTL104-132	Temperature indicator label 104ºC-132ºC (pack 10 labels)

ENVIRONMENTAL SOLUTIONS

SPILL CONTAINMENT PRODUCTS

REFER PIRTEK FOR MSDS SHEETS

Spill Kits:

A range of Response Kits and sizes to cater for the clean up and containment of all likely scenarios

1. General Purpose Kits for petroleum hydrocarbon products, coolants, solvents, water based and non-aggesssive liquids
2. Hydrocarbon Kits for the clean up of oil, greases and oil based paints where a water repellent effect is desirable eg marinas, cooling ponds etc
3. Hazardous Chemical Kits for containment and clean up of hazardous, aggressive or unknown liquids

Individual components are all available separately for economical replenishment

Containment:

A variety of Pads, Pillows, Socks and Booms

Available in three grades corresponding to the Spill Kits at left

Pads & Pillows are ideal for absorbing spills, catching drips, and for wiping down equipment

Pirtek Socks come in 1.2, 1.5, and 3 metre lengths. String them together as portable bunding for containing the flow of a spill, or barricade entry to a stormwater drain system

Pirtek Booms used in daisy chains of 3 or 6 metre lengths help to contain larger spills, especially hydrocarbon spills on water

Bio-Sorb Floor Sweeps:

Available in 2 grades

Premium

Highly absorbent and biologically active floor sweep

Light weight natural cellulose material

Easy to apply and use

Environmentally friendly

Zeolite

Naturally occurring absorbent mineral

Suitable floor sweep for most chemical spills

Suppresses odours and gases

Heavier properties make it suited for use in windy areas

Ecologically safe

Drainwarden:

Semi permanent installation into storm water catch basins to assist in the removal of oil, sediment, silt, rubbish etc from the storm water drain

A replaceable polypropylene absorbent sock captures contaminants whilst allowing water to pass through

Ideal for use in parking lots, vehicle storage areas, service areas, construction sites, and industrial plants

Available in various sizes for standard drains, or custom made to individual requirements

Easily installed and maintained

TYPICAL APPLICATIONS FOR SPILL KITS

General Purpose	
Spills on Hard Surfaces (see also Hydrocarbon list)	
Alcoholic Beverages	Mineral Spirits
Asphalt	Molasses
Beer	Rust Inhibitors
Buttermilk	Sea Water
Cane Juice	Silicone
Carbonated Water	Soap Solutions
Chocolate Syrup	Solvents
Cider	Soy Sauce
Coolants	Starch
Cream	Sugar (Liquids)
Detergents	Tallow
Dyes	Tomato Juice
Fruit Juice	Turpentine
Glucose	Vegetable Juice
Grape Juice	Vinegar
Honey	Water - Fresh
Ink	Water - Salt
Iodine	Whey
Lard	White Liquor (Pulp Mill)
Mayonnaise	White Water (Paper Mill)
Milk	

Hydrocarbon	
Oil spills on water	
Anise Oil	Hydraulic Oil - Synthetic
Aromatic Hydrocarbons	Jet Fuel
Bay Oil	Kerosene
Castor Oil	Lemon Oil
Cinnamon Oil	Lubricants
Citric Oil	Mineral Oil
Clove Oil	Oil based paint
Coconut Oil	Oils: Diesel Fuel
Cod Liver Oil	Oils: Fuel
Cooking Oil	Olive Oil
Corn Oil	Palm Oil
Cottonseed Oil	Paraffin
Ethanol	Petroleum
Fuel Oils	Pine Oil
Gasoline: leaded: refined	Rosin Oil
Gasoline: unleaded	Silicone Oil
Ginner Oil	Tanning Oil
Ginger Oil	Transformer Oil
Grease	Turbine Oil
Hydraulic Oil	Vegetable Oil
Hydraulic Oil - Petroleum	

Hazchem	
Spills on Hard Surfaces	
Acetate Solvent	Mercury
Acetic Acid	Naphthalene
Acetone	Nitrous Acid
Acetyl Bromide	Pesticides
Adipic Acid	Phosphoric Acid
Alkaline	Photographic Solutions
Aluminium Sulphate	Plating Solutions
Ammonia: liquid	Potassium
Antifreeze	Sulphuric Acid
Arsenic Acid	Tannic Acid
Battery Acid	Tanning Liquors
Bleach	Toluene
Carbonic Acid	Trichloroacetic Acid
Chlorine Water	Varnish
Citric Acid	Vinyl Chloride
Flu silicic Acid	Weed Killers
Formic Acid	
Glycolic Acid	
Lacquer Thinners	
Lacquers	
Linoleic Acid	

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SPILL KITS

KIT CONTENTS

REFER PIRTEK FOR MSDS SHEETS

32 litre:

General Purpose. Our smallest kit is designed for the space behind the driver's seat in transport vehicles or alternatively in workshops and factories where only a small spill is likely

Hydrocarbon. This kit would suit situations where only a small spill on water may occur

Hazardous Chemicals. Best suited to laboratories, hospitals, food manufacturers and farms

55 litre:

General Purpose. Easily transportable kit ideal for trucks, service vehicles and forklifts

Hydrocarbon. Specifically aimed at boats and marinas

Hazardous Chemicals. A convenient solution for immediate response to chemical spills in laboratories, hospitals, small factories and forecourts

100 litre:

General Purpose. Wheelie bin portability for oil spills on land. Small to medium workshops, manufacturing plants and forecourts

Hydrocarbon. For the clean up and containment of medium spills on water, near stormwater drains, and refuelling depots / marinas

Hazardous Chemicals. Enables a fast response to a medium spill of virtually any chemical

200 litre:

General Purpose. Wheelie bin portability for larger oil spills on land. Large workshops, mines, manufacturing plants and forecourts

Hydrocarbon. For the clean up and containment of larger spills on water, near stormwater drains, and refuelling depots / marinas

Hazardous Chemicals. The best solution in where a variety of chemicals are used and stored in food production areas, factories, laboratories, and hospitals

Component / Kit	General Purpose				Hydrocarbon				Hazardous Chemicals			
Spill Capacity litres	32	55	100	200	32	55	100	200	32	55	100	200
Product Code ENSK-	**32GP**	**55GP**	**100GP**	**200GP**	**32H**	**55H**	**100H**	**200H**	**32HZ**	**55HZ**	**100HZ**	**200HZ**
Nylon Bag with Signage	1	1			1	1			1	1		
240 litre Wheelie Bin			1	1			1	1			1	1
Bio Sorb Premium		1x5kg	2x10kg	3x10kg								
Bio Sorb Zeolite	1x2.5kg									1x2.5kg	2x10kg	3x10kg
GP Containment Socks 1.2m long	2	3	4	5								
GP Containment Socks 3m long				1								
Oil Only Containment Socks					2x1.2m	4x1.2m	2x1.2m	3x1.2m				
Hazchem Containment Socks									3x1.2m	3x1.2m	4x1.2m	3x3m
GP Pads	10	10	30	50								
Oil Only Poly Pads					20	30	30	100				
Hazchem Poly Pads									15	25	30	50
GP Pillows			1	2								
Oil Only Pillows					1	1	1	2				
Hazchem Pillows									2	2	1	2
Absorbent Booms 125mm dia							2x3m	2x3m				
Contaminated Waste Bags	2	3	7	10	2	3	7	10	2	3	7	10
Nitrile Gloves	1 pr	1 pr	2 pr	2 pr	1 pr	1 pr	2 pr	2 pr	1 pr	1 pr	2 pr	2 pr
Instruction Sheet	1	1	1	1	1	1	1	1	1	1	1	1
MSDS	1	1	1	1	1	1	1	1	1	1	1	1

PIRTEK WHEELIE BINS FOR SPILL KITS		
Total Spill Capacity (litres)	**Red / Blue (Oil and General Purpose)**	**Yellow (Hazardous Chemicals)**
120 LITRE	**ENB-RB120**	**ENB-Y120**
240 LITRE	**ENB-RB240**	**ENB-Y240**

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SPILL KITS

15 LITRE KIT CONTENTS

REFER PIRTEK FOR MSDS SHEETS

Our all-new range of 15 litre spill kits caters for those situations where a no-fuss single use solution is required

15 litre Disposable:

General Purpose. Our all new disposable kit is designed for single use only, where all of the used contents of the kit are deposited into the original bag, sealed with the included cable tie, and disposed of as per Local Government requirements.

Hydrocarbon. As above for situations where only a small spill on water may occur

Hazardous Chemicals. As for the general purpose kits, but best suited to laboratories, hospitals, food manufacturers and farms

Component / Kit	General Purpose	Hydrocarbon	Hazardous Chemicals
Spill Capacity litres	15	15	15
Product Code ENSK-	15GP	15H	15HZ
Plain plastic spill kit bag	1	1	1
2.5 kg Floor Sweep	1		
GP Pads	5		
Oil Only Poly Pads		13	
Hazchem Poly Pads			7
7.5 Kg Hazsorb Floor Sweep			1
Cable Tie	1	1	1
Nitrile Gloves	1 pr	1 pr	1 pr
Instruction Sheet	1	1	1
MSDS	1	1	1

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INDUSTRY CLASSIFICATIONS

Industry / Kit Capacity litres	General Purpose Spill Kits				Hydrocarbon Spill Kits				Hazardous Chemicals Spill Kits				Boom	Bio Sorb	
	32 L	55 L	100 L	200 L	32 L	55 L	100 L	200 L	32 L	55 L	100 L	200 L		Prem	Zeolite
Aluminium Products		•	•	•		•	•			•	•			•	•
Amusement Rides	•	•	•	•	•	•	•	•						•	•
Army	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Automotive Services	•	•	•	•					•	•	•	•		•	•
Blasting / Drilling	•	•	•	•	•	•	•	•							•
Bowling Clubs	•	•	•	•	•	•	•	•	•	•	•	•		•	•
Bridge & Civil	•	•	•	•	•	•	•	•					•	•	•
Coal	•	•	•	•	•	•	•	•					•	•	•
Colleges	•	•	•	•	•	•	•	•	•	•	•	•		•	•
Commercial	•	•	•	•	•	•	•	•						•	•
Communications	•	•	•	•	•	•	•	•						•	•
Councils	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cranes & Hoists	•	•												•	•
Domestic	•	•			•	•								•	•
Domestic Appliance		•	•	•		•	•	•		•	•	•		•	•
Earthmoving Equipment	•	•													•
Electricity Services	•	•	•	•	•	•	•	•	•	•				•	•
Elevated Platforms	•													•	•
Farming - Crops	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Farming - Other	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Food & Beverage	•	•	•	•	•	•	•	•	•	•	•	•		•	
Forestty Equipment	•	•			•	•			•	•				•	•
Forklift & Jacking	•	•												•	•
Gold	•	•	•	•	•	•	•	•					•	•	•
Golf Courses	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Government	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Gymns	•	•	•	•	•	•	•	•						•	•
Harbours	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hire Centres	•	•	•	•										•	•
Irrigation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Land Clearing	•	•			•	•							•	•	•
Mechanical Services	•	•	•	•					•	•	•	•		•	•
Minerals			•	•			•	•			•	•		•	•
Mining - Other	•	•	•	•	•	•	•	•					•	•	•
Mining / Longwall	•	•	•	•					•	•	•			•	•
Mining Equipment		•												•	•
Motor Vehicle		•	•	•		•	•	•		•	•	•		•	•
Navy	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Oil Production / Exploration	•	•	•	•	•	•	•	•					•	•	•
Pest Control / Spraying	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Petroleum		•	•	•		•	•			•	•		•	•	•
Quarry	•	•	•	•	•	•	•	•							•
Rail	•	•	•	•	•	•	•	•						•	•
Refineries	•	•	•	•	•	•	•		•	•	•		•	•	•
Resort	•	•	•	•	•	•	•	•						•	•
Roads	•	•	•	•	•	•	•	•	•	•				•	•
Roadworks	•	•	•	•	•	•	•	•	•	•				•	•
Secondary	•	•	•	•	•	•	•	•	•	•	•	•		•	•
Sporting Grounds	•	•	•	•	•	•	•	•	•	•	•	•		•	•
Steel			•	•			•	•			•	•		•	•
Supplies	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Transport Supplies	•	•	•	•					•	•	•	•		•	•
Universities	•	•	•	•	•	•	•	•	•	•	•	•		•	•
Waste Industries	•	•	•	•	•	•	•	•	•	•				•	•
Water Services	•	•	•	•	•	•	•	•	•	•				•	•

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ENCB / ENBG
EMPTY BAG

Product Code	Printed Information
ENCB †	CONTAMINATED WASTE (CLEAR HEAVY DUTY VINYL BAG 450 mm x 720 mm)
ENBG	BAG EMPTY - PIRTEK SIGNAGE ONLY
ENBG-32GP	BAG EMPTY - GENERAL PURPOSE 32 LITRE
ENBG-32H	BAG EMPTY - HYDROCARBON 32 LITRE
ENBG-32HZ	BAG EMPTY - HAZCHEM 32 LITRE
ENBG-55GP	BAG EMPTY - GENERAL PURPOSE 55 LITRE
ENBG-55H	BAG EMPTY - HYDROCARBON 55 LITRE
ENBG-55HZ	BAG EMPTY - HAZCHEM 55 LITRE

A range of pre-labelled clear heavy duty plastic bags in 2 sizes to facilitate disposal of used spill containment products (pads, pillows, socks, floor sweep). Dispose of the bagged products in accordance with Local Authority requirements

† Includes bag tie

ENBS
BIO-SORB PREMIUM

Product Code	Description
ENBS-10	PIRTEK BIO-SORB PREMIUM 10KG (Absorbs 36 litres hydraulic oil)
ENBS-10P	PIRTEK BIO-SORB PREMIUM 10KG PALLET (70 bags)
ENBS-5	PIRTEK BIO-SORB PREMIUM 5KG (Absorbs 18 litres hydraulic oil)
ENBS-5P	PIRTEK BIO-SORB PREMIUM 5KG PALLET (140 bags)

Manufactured from a special selection of organic cellulose products, Bio-Sorb Premium floor sweep will quickly absorb a wide variety of liquids including petroleum, oils, fuels, cooking oils, sewage, and other messy liquids that could contaminate the environment. The strong wicking effect helps to reduce leach-back, and enables Bio-Sorb Premium to meet stringent liquid release standards.

Once absorbed, a selection of inoculated microbes go to work to 'eat and digest' oils and many types of hydrocarbons

Application: Recommended for hard surfaces such as tar and concrete. Spread over the spill and work back and forth with a stiff broom until the surface is dry and no slick remains. No secondary detergents or solvent washes are necessary

Not suited to windy conditions (see ENZE Zeolite)

ENZE
BIO-SORB ZEOLITE

Product Code	Description
ENZE-10	PIRTEK BIO-SORB ZEOLITE 10KG (Absorbs 24 litres hydraulic oil)
ENZE-10P	PIRTEK BIO-SORB ZEOLITE 10KG PALLET (70 bags)
ENZE-5	PIRTEK BIO-SORB ZEOLITE 5KG (Absorbs 12 litres hydraulic oil)
ENZE-5P	PIRTEK BIO-SORB ZEOLITE 5KG PALLET (140 bags)

Zeolite is a naturally occurring absorbent mineral. It has a large negatively charged internal surface area that enables it to trap and retain liquids, odours and vapours. Naturally clean and off -white in colour, Zeolite is a safe non-toxic product ideal for today's demands for environmentally safe floor sweeps. The coarse nature of Zeolite makes it safe to use in windy conditions

Zeolite absorbs on contact, and has been de-dusted to reduce bogging and improve handling. The strong wicking action helps to remove most fresh stains from the surface. It passes all landfill leachate tests, and will not 'slip' when fully absorbed, making clean up easy

Application: Apply liberally over the spill and wait for the petroleum / chemical to be fully absorbed

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ENP
ABSORBENT PADS
100 PACK

Product Code	Intended Use	Dimensions (mm)
ENP-05H	OIL ONLY	5 x 430 x 480
ENP-10GP	GENERAL PURPOSE	10 x 430 x 480
ENP-10H	OIL ONLY	10 x 430 x 480
ENP-10HZ	HAZARDOUS CHEMICALS	10 x 430 x 480

The ENP-10GP pads are good for absorption of most spilled liquids except acids and chemicals. Perforated to 1/2 size, they are intended for use on hard surfaces or for wiping down equipment etc.

The ENP-10HZ pads are primarily for acids and chemicals respectively, but can be used for oil and water based liquids. Best for hard surfaces

ENP-05H and ENP-10H pads are for absorbing oil spills on hard surfaces, whilst repelling water. They can float indefinitely on water

10 mm thick pads of all types can absorb up to 1.2 litres of hydraulic oil (more when used for lower viscosity products)

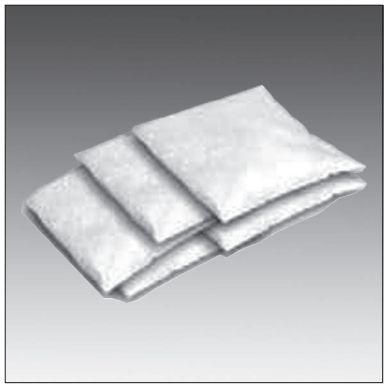
ENPR
ABSORBENT PADS
PERFORATED ROLL FORM (400 GRAMMES / M$^{2)}$

Product Code	Intended Use	Dimensions
ENPR-10GP	GENERAL PURPOSE	960 mm x 44 metres
ENPR-10H	OIL ONLY	960 mm x 44 metres
ENPR-10HZ	HAZARDOUS CHEMICALS	960 mm x 44 metres

As for ENP above, but in convenient roll form.

Ideal for covering large areas e.g. underneath vehicles and machinery
Perforated in the middle (horizontally) the entire length of the roll and vertically every 430mm. This enables pads (430mm x 480mm) to be torn from the roll if required
Note: All rolls are dimpled for added strength

ENPI
ABSORBENT PILLOWS



Product Code	Intended Use	Dimensions (mm)
ENPI-20HZ	HAZARDOUS CHEMICALS	20 x 450 x 200
ENPI-50GP	GENERAL PURPOSE	50 x 400 x 500
ENPI-50H	OIL ONLY	50 x 450 x 450
ENPI-50HZ	HAZARDOUS CHEMICALS	50 x 450 x 450

As for ENP pads but with higher absorption capacity (typically 4 litres of liquid for the 50 mm thick pillows). Ideal for absorbing leaks and drips without splattering and spreading, or the emergency plugging of drums etc

ENOS
ORGANIC SOCKS

Product Code	Intended Use	Dimensions
ENOS-125X3GP	ORGANIC GENERAL PURPOSE	125 mm x 3 metres
ENOS-125X3H	ORGANIC ABSORBENT - KSORB OIL ONLY	125 mm x 3 metres
ENOS-75X12GP	ORGANIC GENERAL PURPOSE	75 mm x 1.2 metres
ENOS-75X3GP	ORGANIC GENERAL PURPOSE	75 mm x 3 metres

ENPS
POLYPROPYLENE SOCKS

Product Code	Intended Use	Dimensions
ENPS-125X3HZ	POLYPROPYLENE YELLOW HAZCHEM	125 mm x 3 metres
ENPS-75X12H	POLYPROPYLENE OIL ONLY	75 mm x 1.2 metres
ENPS-75X12HZ	POLYPROPYLENE YELLOW HAZCHEM	75 mm x 1.2 metres
ENPS-75X3HZ	POLYPROPYLENE YELLOW HAZCHEM	75 mm x 3 metres
ENSB-125 †	REPLACEMENT POLYPROPYLENE BILGE	75 mm x 250 mm

Designed to contain the flowpath of a spill to prevent it reaching stormwater drains or walkways. Available for acids / chemicals (HZ suffix), or water repellent / oil absorption (H suffix) in various sizes

† Used in Pirtek Drain Warden ENDW - see page 82

ENPB
POLYPROPYLENE BOOM

Product Code	Intended Use	Dimensions
ENPB-125X3H	POLY FLOATING ABSORBENT BOOM C/W CLIPS	125 mm x 3 metres
ENPB-125X6H	POLY FLOATING ABSORBENT BOOM C/W CLIPS	125 mm x 6 metres
ENPB-200X3H	POLY FLOATING ABSORBENT BOOM C/W CLIPS	200 mm x 3 metres

Used to contain oil spills on water surfaces. Used generally in elongated sausages contained by strong netting and secured to each other by clips at each end (supplied)

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ENPD
PLUG 'N' DIKE

Product Code	Description	Quantity
ENPD-250	PLUG 'N' DIKE PRE MIX	250 Gram

A non-toxic material to provide an excellent first response method for sealing and controlling flammable and/or hazardous leaks and spills, whether drains, dike pressurised (up to 1.5 meter head) or large spills

It includes a high water-absorption polymer in a bentonite base, which absorbs over 300 times its own weight in water, to produce a seal against penetration of fuels and chemicals. It can effectively seal punctured drums and tanks, reduce damage liability and costly cleanups

Plug N' Dike is used straight from the tub/bucket. Just take a handful of the premix and apply directly over the leak. No surface preparation is necessary, even on dirty, rusty or greasy surfaces

ENGL
NITRILE GLOVES (PAIR)

Product Code	Description
ENGL	NITRILE GLOVES (PAIR)

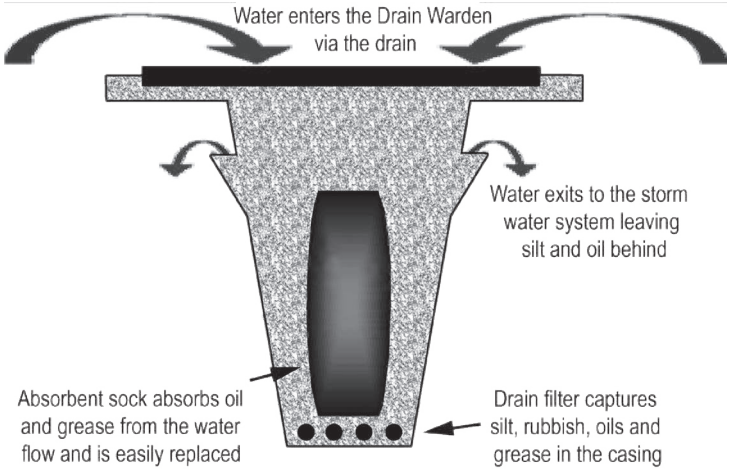
Good resistance to animal fats and mineral oils (hydrocarbons)

ENSP
DUST SHOVEL & PAN

Product Code	Description
ENSP	DUST SHOVEL & PAN PIRTEK BLUE

DRAIN WARDEN

OIL & SILT COLLECTION BASIN



Description :

- The Drain Warden filter insert is a simple device designed to fit most drain catch basins
- Held in place by the metal grate
- Effectively removes coarse sediments, oil, grease, litter and debris from storm water
- Ideal in parking lots which tend to be sources of water pollution; cars and trucks drip oil and grease on to the surface which is otherwise carried into the catch basins by rain water
- Perfect in workshops where contractual or design considerations prevent structural alteration of existing drainage facilities
- Effective as a guard in case of emergency spills, capturing spills whilst allowing emergency spill response teams to activate

Materials & Specifications:

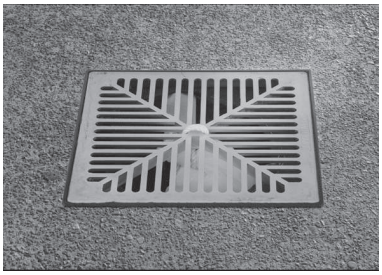
- polypropylene fabric and organic absorbent sock

Installation:

- Lift the drain grate using a suitable lifting aid
- Clean out existing debris and obstructions
- Insert the drain warden
- Replace the drain grate
- Trim any surplus skirt

PIRTEK DRAIN WARDEN

Product Code	Description	Basin Depth mm	Skirt Dimensions mm
ENDW-12	DRAIN WARDEN - 1.2 x 1.2 MSQ SKIRT - 600MM BASIN	600	1200 x 1200
ENDW-24	DRAIN WARDEN - 2.4 x 1.2 MSQ SKIRT - 600MM BASIN	600	2400 x 1200
ENSB-125	REPLACEMENT POLYPROPYLENE BILGE	75 mm x 250 mm	



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WORK MAT

HEAVY DUTY PORTABLE GROUND MAT

Description :

- The Work Mat is a portable ground mat that has been designed for messy work in the field. The 'Work Mat' is ideally suited to the servicing of vehicles and other equipment, especially the repair of hydraulic hoses and fittings, anywhere there is a risk of oils & fuels leaking
- It slips under the equipment being worked on, and collects all hydrocarbons (oils & fuels) that should drip or leak onto the 'Work Mat'. The absorbent properties and structural strength of the mat ensures that no mess is left behind

Materials & Specifications:

The Work Mat consists of:

- a durable UV resistant, impervious layer as a base,
- a layer of meltblown polypropylene for absorption,
- a top layer of HDPE matting that allows the oils & fuels to pass through to the absorbent layer

Advantages:

- The top layer that acts as a separation layer between the absorbent and the operator, keeping them clear from the collected hydrocarbons, while they work.
- The Work Mat is hydrophobic, and is designed to only absorb oils & fuels. This means it's an ideal work companion in either wet or dry conditions.
- When not in use, the Work Mat simply rolls up like a swag, for easy storage or transportation to the next job. The 3 sided entry style facilitates easy replacement of the absorption layer

PIRTEK WORK MAT		
Product Code	**Description**	**Mat Dimensions mm**
ENHDM3S-L	WORK MAT LARGE (with 3 sided entry)	2500 x 3000
ENHDM3S-S	WORK MAT SMALL (with 3 sided entry)	1500 x 2000

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GLOSSARY OF TERMS

SPILL CONTROL & CONTAINMENT

Term	Definition
Absorbents	Spill products that take up and hold water or oil; sorbents used in oil spill cleanup are made of oleophilic materials
Aquatic	Habitats and ecosystems that exist in bodies of water, refers to both marine and fresh water environments
Asphalt	A brown to black residue formed from weathered petroleum products, consisting chiefly of a mixture of hydrocarbons; varies in texture from hard and brittle to plastic
Biodegradable	The breaking down of substances by micro-organisms, which use the substances for food.
Boom	A temporary floating barrier used to contain an oil spill
Cellulose	A natural organic component found in plants & wood
Contingency plan	A document that describes a set of procedures and guidelines for containing and cleaning up oil spills.
Deployment	Strategic placement of equipment and personnel
Dispersion	The spreading of oil on any surface
Ecosystem	The interrelationships between all of the living things in an area
Emulsions	A mixture of small droplets of oil and water.
Encapsulate	To enclose and capture within a Spill device
Evaporation	The physical change by which any substance is converted from a liquid to a vapour or gas
Facility Response Plan	A detailed plan which must be prepared by facilities which may cause “substantial harm” to the environment. The plan must contain an Emergency Response Action Plan and demonstrate that a facility has the resources to respond to the worst case spill
Fate	The outcome; the fate of an oil spill is what happens to the oil
Freshwater spill	An oil spill that occurs in or affects bodies of freshwater, such as lakes and rivers
Hydrocarbons	A large class of organic compounds containing only carbon & hydrogen; common in petroleum products and other oils
Hydrophobic	Having a tendency to repel water; hydrophobic materials will not easily absorb water
Incidental oil spill	Minor oil leaks, drips or stains from vehicles, machinery & general traffic.
Incineration	The destruction of wastes by burning at high temperatures
Marine	Relating to the seas and oceans.

Term	Definition
Micro-organism (or Microbes)	A very small plant, animal, or bacteria; some micro-organisms actually break oil down into less harmful substances
National Response System	A network of individuals and and teams from local, state, and federal agencies who combine their expertise and resources to ensure that oil spill control and cleanup activities are timely and efficient and minimise threats to human health and the environment
Non-petroleum oils	Oils that are not derived from petroleum; this group of oils includes vegetable oils and animal fats.
Oil	Crude oil and refined petroleum products (motor oils, fuels, lubricants, etc.), as well as vegetable oils, animal fats and other non-petroleum oils
Oil slick	A layer of oil floating on the surface of water.
Oleophilic	Having a strong affinity for oils; oleophilic materials absorb or stick to oils
On-Scene Coordinator (OSC)	The person responsible for overseeing the cleanup efforts at a spill.
Polyaromatic hydrocarbons	A family of chemical substances that are found in many types of oil; polyaromatic hydrocarbon vapours can cause harm to humans and animals that inhale them.
Polypropylene	A type of plastic noted for its resistance to many chemicals, solvents and acids.
Skimmers	Devices used to remove oil from the water’s surface.
Slick	A thin film of oil on the water’s surface.
Sock	Spill Product used to block and restrict the flow of the spill from entering stormwater drains or walkways
Specific Gravity	The density of a substance to the density of water, if substance has a greater density to water, the substance it is more likely to sink. If substance has a lesser density to water, the substance it is more likely to float on the surface
Spill Station Management	A Pirtek representative services all kits within a plant location i.e. checking, replenishing and re-sealing the contents of spill kits at regular intervals
Surfactant	A substance that breaks oil into small droplets; this helps to increase the surface area of the oil spill, which increases the rate at which the oil can be degraded or weathered into less toxic substances (See dispersant)
Viscosity	Having a resistance to flow; substances that are extremely viscous do not flow easily
Viscous	The tendency of a liquid to hold itself together; viscous liquids pour freely and have the consistency of syrup or honey
Water Column	An imaginary cylinder of water from the surface to the bottom of a water body; water conditions, temperature, and density vary throughout the water column

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