PIRTEK
OIL & GAS

HIGH PRESSURE HYDRAULICS
(Hose, Coupling, Pressure Gauges, Adaptors)

PIRTEK
OIL & GAS
NATA
ACCREDITED FOR TECHNICAL COMPETENCE
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www.pirtek.com.au

14/01/2019

PRESSURE GAUGE
EN837-1
psi
bar
CL1.6
SPIR STAR
PRESSURE GAUGE
EN837-1
psi
bar
CL1.6
SPIR STAR
psi
bar
SPIR STAR

PIRTEK OIL & GAS

HIGH PRESSURE THERMOPLASTIC HOSES

As the specialist in the manufacturing of high pressure hoses, we are poised to achieve exceptional quality in terms of service life and reliability.

Other features include: Flexibility, durability, lightweight, small volumetric expansion

HOSE TYPE - COBRA

APPLICATIONS

Hydraulics: Bolt tensioning, pressure test equipment (valves,tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment, hydraulic jacks, hydraulic tools)

TECHNICAL INFORMATION

Design .....Inner core of polyoxymethylene (POM), 4 multi-layers of high-tensile steelwire,outer cover of polyamide (PA)
ID x OD .....5.0 x 11.2 mm
Working Pressure .....1,8110 bar
Burst Pressure .....4,5110 bar
Bend Radius .....150 mm
Weight .....0.260 kg/m
Colour .....Dark blue
Temperature .....-30 •c to +60 •c [-22 "F to 140 "F]

END CONNECTIONS

- 1/4" BSP male 100" external cone
- 1/4" BSP male for USIT ring
- 1/4" BSP female swivel (24"/60" sealing cone)

HOSE TYPE - MAMBA

APPLICATIONS

Hydraulics: Pressure test equipment (valves,tooling and control panels), hydraulic tools (instrumentation packages for gauges, control of service equipment hydraulic jacks, hydraulic tools)

TECHNICAL INFORMATION

Design .....Inner core of polyamide (PA), multi-layers of high-tensile steelwire,outer cover of polyurethane (PUR)
ID x OD .....5.9 x 12 mm
Working Pressure .....1,200 bar
Burst Pressure .....3,000 bar
Bend Radius .....80 mm
Weight .....0.237 kg/m
Colour .....Red
Temperature .....-30 •c to +60 •c [-22 "F to 140 "F]

END CONNECTIONS

- 1/4" NPT male
- 3/8" NPT male
- 1/4" NPT male 100" external cone
- 1/4" NPT male for USIT ring
- 1/4" NPT female swivel (24"/60" sealing cone)
- 1/4" NPT female fitting

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HIGH PRESSURE THERMOPLASTIC HOSES

HOSE TYPE - ANACONDA

APPLICATIONS

Waterblast: Heat exchanger tube cleaning
Hydraulics: Bolt tensioning

TECHNICAL INFORMATION

Design .....Inner core of polyoxymethylene (POM), Slayers of high- tensile steelwire,outer cover of polyurethane (PUR)
1D X OD .....4.8 X 13.2 mm
Working Pressure .....2,5110 bar
Burst Pressure .....6,250 bar
Band Radius .....200 mm
Weight .....0.450 kg/m
Colour .....Lumlnous red
Temperature .....-30 •c to +60 •c [-22 "F to 140 "F]

END CONNECTIONS

1/4".BSP mala 100" external cone
1/4" BSP female swivel (24"/60" sealing cone)
Type M female swivel 9/16".x 18 UNF

HOSE TYPE - VIPER

APPLICATIONS

Hydraulics: Torque wrenching

TECHNICAL INFORMATION

Design .....Inner core of polyamide (PA), multi-layers of high tensile steel wire and open synthetic fibers,outer cover of polyurethane (PUR)
ID X OD .....6.1 X 12.5 mm
Working Pressure .....700 bar
Burst Pressure .....1,800 bar
Band Radius .....80 mm
Weight .....0.206 kg/m
Colour .....luminous yellow
Temperature .....-30 •c to +60 •c [-22 "F to 140 "F]

END CONNECTIONS

1/4" NPT male
3/8" NPT male
1/4" NPT female

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OIL & GAS

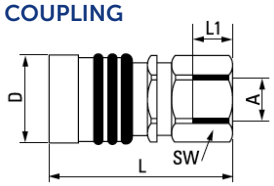
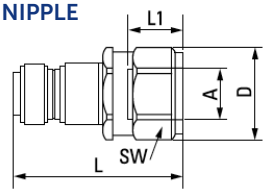
HIGH PRESSURE QUICK CONNECT COUPLERS

Reliable Quick Connect Couplings are a necessity in High Pressure Hydraulics applications. SPIR STAR offers a range of Quick Connect Couplings up to 2,500 bar, which are complemented by our Ultra High Pressure Thermoplastic hoses and a complete range of adaptors and pressure gauges.

Applications include the connection of pumps to hydraulic jacks, rams, bolt tensioners, torque tools, as well as for pressure test equipment (valves, tooling and controll, etc.

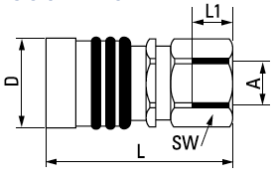
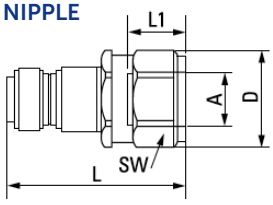
C1000 SERIES

TECHNICAL DATA
Material: Hardened Zinc Plated Steel
Max. Working Pressure: 1000 bar
Min. Burst Pressure: 2600 bar
Nominal Flow Diameter: 2.5mm
Temperature Range: -30°C - +100°C
Flow Capacity at Pressure Drop 4.5 bar: 5.9L/min

	CONNECTION	HEX SW	L	L1	D	PART NO.
COUPLING 	G1/4"	24	59	12	27	C1000-1202-15K
NIPPLE 	G1/4"	22	38	12	24.5	C1000-6202-15K

C1500 SERIES

TECHNICAL DATA
Material: Hardened Zinc Plated Steel
Max. Working Pressure: 1500 bar
Min. Burst Pressure: 3000 bar
Nominal Flow Diameter: 2.5mm
Temperature Range: -30°C - +100°C
Flow Capacity at Pressure Drop 4.5 bar: 5.2L/min

	CONNECTION	HEX SW	L	L1	D	PART NO.
COUPLING 	G1/4"	24	59	12	27	C1500-1202-20K
NIPPLE 	G1/4"	22	38	12	24.5	C1500-6202-20K

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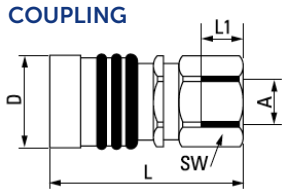
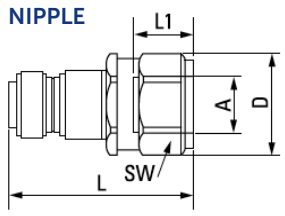
HIGH PRESSURE QUICK CONNECT COUPLERS

C2000 SERIES

TECHNICAL DATA

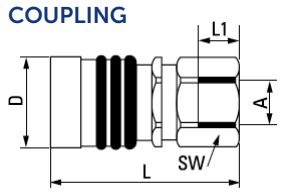
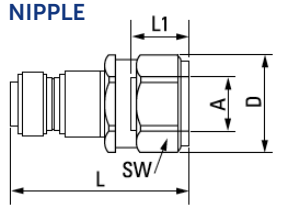
Material: Hardened Zinc Plated Steel Max.
Working Pressure: 2000 bar
Min. Burst Pressure: 4000 bar
Nominal Flow Diameter: 2.5mm
Temperature Range: -30°C - +100°C
Flow Capacity at Pressure Drop 4.5 bar: 5.7L/min

	CONNECTION	HEX SW	L	L1	D	PART NO.
COUPLING 	G1/4"	24	59	12	27	C2000-1202-30K
NIPPLE 	G1/4"	22	38	12	24.5	C2000-6202-30K

C2500 SERIES

TECHNICAL DATA

Material: Hardened Zinc Plated Steel
Max. Working Pressure: 2500 bar
Min.Burst Pressure: 5000 bar
Nominal Flow Diameter: 2.5mm
Temperature Range: -30°C- +100°C
Flow Capacity at Pressure Drop 4.5 bar: 5.7l/min

	CONNECTION	RECOMMENDED TORQUE (nm)	PART NO.
COUPLING 	G1/4"	50-60	C2500-1202-36K
NIPPLE 	G1/4"	50-60	C2500-6202-136K

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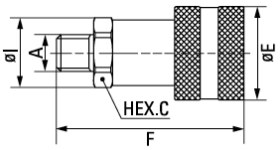
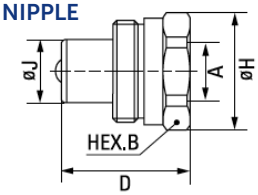
HIGH PRESSURE QUICK CONNECT COUPLERS

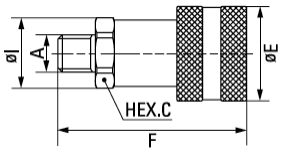
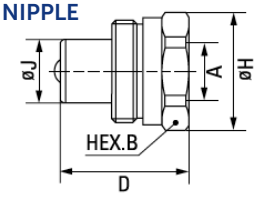
CPW SERIES (1/4")

TECHNICAL DATA
Material: Zinc Plated Steel
Max. Working Pressure: 700 bar
Max. Flow Suggested: 12 lpm
Temperature Range: -20°C- +100°C

	CONNECTION	Unit	A	HEX C	E	F	I	PART NO.
COUPLING 	1/4" NPT	mm	1/4	22	28	60.8	24.5	CPW-14-F-10K
NIPPLE 	1/4" NPT	mm	22	19	32.5	28	15.8	CPW-14-M-10K

CPW SERIES (3/8")

TECHNICAL DATA
Material: Zinc Plated Steel
Max. Working Pressure: 700 bar
Max. Flow Suggested: 23 lpm
Temperature Range: -20°C- +100°C

	CONNECTION	Unit	A	HEX C	E	F	I	PART NO.
COUPLING 	1/4" NPT	mm	3/8	25	35	72.2	26.5	CPW-38-F-10K
NIPPLE 	3/8" NPT	mm	3/8	32	40	35	19	CPW-38-M-10K

PIRTEK OIL & GAS

PRESSURE GAUGES

SPIR STAR is able to offer a complete range of pressure gauges for both bottom and panel mounted configurations. All gauges are glycerin filled, with an accuracy of +/- 1.5% of full scale.

SPIR STAR Pressure Gauges are available in 2.5",4 and 6" dial faces, up to 6,000 bar.

Ø 63mm

BOTTOM CONNECTION

Range of WP available: Up to 1000 bar
Connections available: 1/4" BSP,
1/4" NPT,
9/16"-18 UNF
Units: Bar/psi

PANEL MOUNTED

Range of WP available: Up to 1000 bar
Connections available: 1/4" BSP,
1/4" NPT,
9/16"-18 UNF
Units: Bar/psi

Ø 100mm

BOTTOM CONNECTION

Range of WP available: Up to 4000 bar
Connections available: 1/2" BSP,
1/2" NPT,
9/16"-18 UNF
Units: Bar/psi

PANEL MOUNTED

Range of WP available: Up to 4000 bar
Connections available: 1/2" BSP,
1/2" NPT,
9/16"-18 UNF
Units: Bar/psi

Ø 150mm

BOTTOM CONNECTION

Range of WP available: Up to 6000 bar
Connections available: 1/2" BSP,
1/2" NPT,
9/16"-18 UNF
Units: Bar/psi

PANEL MOUNTED

Range of WP available: Up to 6000 bar
Connections available: 1/2" BSP,
1/2" NPT,
9/16"-18 UNF
Units: Bar/psi

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ADAPTORS

SPIRSTAR has a complete range of connections to adapt to any port. Our adaptors are made of Stainless Steel AISI 316. The working pressure ranges from 1,000 bar to 3,000 bar.

BSPP MALE X BSPP MALE 60° CONES

Part No.: MB4-MB4 30K
Description: 1/4" BSPP Male X 1/4" BSPP Male
Max Working Pressure: 30,000 psi

BSPP MALE EXTERNAL 120° CONE X BSPP MALE EXTERNAL 120° CONE

Part No.: 12B4-12B4 30K
Description: 1/4" BSPP Male External Cone X 1/4" BSPP Male External Cone
Max Working Pressure: 30,000 psi

BSPP MALE 60° CONE X NPT MALE NIPPLES

Part No.: MB4-NM4 15K
Description: 1/4" BSPP MalE X 1/4" NPT Male
Max Working Pressure: 15,000 psi

Part No.: MB4-NM6 15K
Description: 1/4" BSPP Male X 3/8" NPT Male
Max Working Pressure 15,000 psi

METRIC MALE X MALE HEX ADAPTORS

Part No.: DKOS-M16M16 30K
Description: Metric M16 Male X M16 Male
Max Working Pressure: 30,000 psi

HIGH PRESSURE MALE X BSPP MALE

Part No.: HM4-MB4 30K
Description: 1/4" HP Male X 1/4" BSPP Male
Max Working Pressure: 30,000 psi

Part No.: HM6-MB4 30K
Description: 3/8" HP Male X 1/4" BSPP Male
Max Working Pressure: 30,000 psi

METRIC MALE X HIGH PRESSURE MALE ADAPTORS

Part No.: M16-HP4 30K
Description: Metric M16 Male X 1/4" HP Male
Max Working Pressure: 30,000 psi

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ADAPTORS

BSPP MALE EXTERNAL 120° CONE X NPT MALE

Part No.: 12B4-NM4 15K
Description: 1/4" BSPP Male External Cone X 1/4" NPT Male
Max Working Pressure: 15,000 psi

BSPP MALE EXTERNAL 120° CONE X MALE TYPE M

Part No.: 12B4-M9 30K
Description: 1/4" BSPP Male External Cone X 9/16" Type M Male
Max Working Pressure: 30,000 psi

BSPP MALE EXTERNAL 120° CONE X HIGH PRESSURE MALE

Part No.: 12B4-HM6 30K
Description: 1/4" BSPP Male External Cone X 3/8" HP Male
Max Working Pressure: 30,000 psi

METRIC MALE X MALE BSPP HEX ADAPTORS

Part No.: DKOS-M16MB4 30K
Description: Metric M16 Male X 1/4" BSPP Male
Max Working Pressure: 30,000 psi

Part No.: DKOS-M22MB4 30K
Description: Metric M22 Male X 1/4" BSPP Male
Max Working Pressure: 30,000 psi

METRIC MALE X MALE BSPP 120° EXTERNAL CONE ADAPTORS

Part No.: DKOS-M2212B4 30K
Description: Metric M22 Male x 1/4" BSPP Male 120° Eternal Cone
Max Working Pressure: 30,000 psi

Part No.: DKOS-M1612B4 30K
Description: Metric M16 Male X 1/4" BSPP Male 120" External Cone
Max Working Pressure: 30,000 psi

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