



HIGH-PRESSURE MUD HOSE/ ROTARY DRILLING HOSE/ VIBRATOR HOSE/ CEMENT HOSE (Swaged couplings)

APPLICATION

Hose is used as a flexible connection between the top of the standpipe and the vertically moving swivel on offshore and in-land oil drilling and exploration rigs. The vibrator hose is a flexible connection between the mud pump manifold and the standpipe, for adjustment and isolation from vibration. Cementing hose is a flexible connection between the cementing pump and the top drive on offshore and land drilling rigs for delivery of high-pressure cement.

STANDARDS

- Standard: API Spec 7K / ISO 6807 / GB/T 24145
- API monogram No.: 7K-0458 (Techfluid)

HOSE STRUCTURE

- Tube: Nitrile rubber based liner sealing layer, oil resistance, acid & alkali resistance, high temperature resistance and ageing resistance
- Breaker Layer and external protection layers: High tension textile fabric
- Major Reinforcement for withstanding pressure: High Strength Steel Cable
- Cover: Neoprene based rubber for anti-flaming, wear resistance, oil resistance, ozone & ageing resistance, UV resistance, which is especially suited for marine environment.

FIRE PROOF GRADE

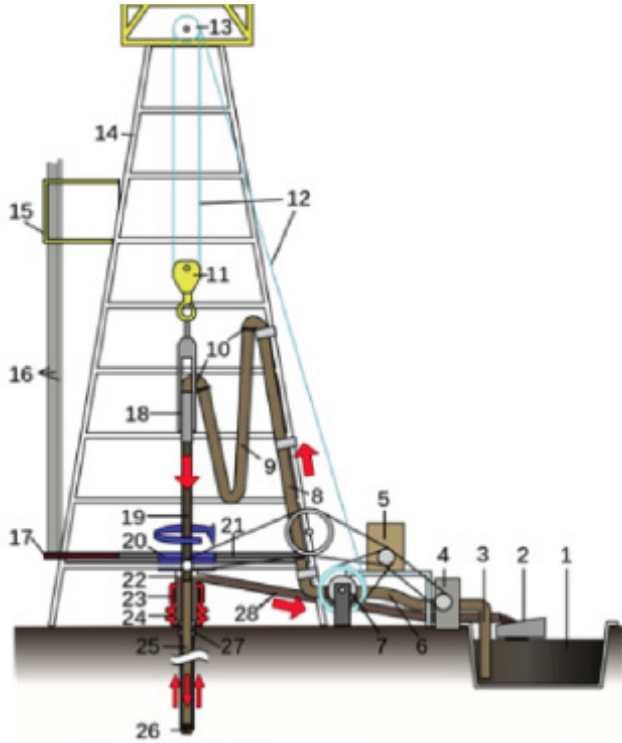
Regular supplied hose meets fire proof grade SR6A, which is 704°C for 5 minutes. Also available with extra fire proof layers meeting fire proof grade SR6B, which performs at 704°C for 30 minutes

OTHER FEATURES

- Embedded electric heat trace cable is available on request for low temperature operating conditions.
- External protection layers are available on request or by our recommendation according to individual operation condition as follows
 - stainless steel armour outer wrap
 - embedded stainless steel wire in cover
 - polyethylene spiral guard, etc.

NORMAL PARAMETERS

- Working temperature range: class II , -25 to +100°C
- Flexibility specification level: FSL2
- Maximum continuous length: 70 metres
- Length tolerance: Up to 6.4 metres (± 64 mm), longer lengths ($\pm 1\%$)
- Measurement basis of Minimum Bending Radius (MBR) is centre line of each hose



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|----------------------------------|-------------------------------|
| 1. Mud Pit | 15. Monkey Board |
| 2. Shale Shaker | 16. Drill Pipe |
| 3. Suction Line | 17. Substructure |
| 4. Mud Pumps | 18. Swivel |
| 5. Engine-Generator Sets | 19. Kelly |
| 6. Vibration Dampening Hose | 20. Turn Table |
| 7. Draw Works | 21. Rat Hole |
| 8. Stand Pipe | 22. B.O.P Stack |
| 9. Rotary Kelly Hose | 23. Annular Blowout Preventer |
| 10. Goose Neck | 24. Ram Blowout Preventer |
| 11. Travelling Blocks | 25. Drill String |
| 12. Cat Line Boom and Hoist Line | 26. Drill Bit |
| 13. Crown Blocks | 27. Conductor Casing |
| 14. Derrick | 28. Diverter Line |

Note: safety coefficient (safety factor) is 2.5:1. Maximum lengths are 70 metres.

PRODUCT CODE	ID (mm)	OD (mm)	WP (bar)	TP (bar)	FSL	MBR (storage)	MBR (ops)	WEIGHT (kg/m)
OGAPI0515K	51	87	345	690	FSL2	0.8	0.9	10.2
OGAPI0645K	64	102	345	690	FSL2	0.8	0.9	13.6
OGAPI0765K	76	114	345	690	FSL2	1.1	1.2	15.4
OGAPI0895K	89	131	345	690	FSL2	1.2	1.3	20
OGAPI1025K	102	145	345	690	FSL2	1.2	1.4	22.4
OGAPI1275K	127	191	345	690	FSL2	1.4	1.5	47.8
OGAPI1525K	152	216	345	690	FSL2	1.6	1.8	58
OGAPI05175K	51	99	517	1034	FSL2	1.1	1.2	18.2
OGAPI06475K	64	120.5	517	1034	FSL2	1.1	1.2	26.4
OGAPI07675K	76	134	517	1034	FSL2	1.2	1.3	30.2
OGAPI08975K	89	147	517	1034	FSL2	1.2	1.3	36.4
OGAPI10275K	102	160	517	1034	FSL2	1.3	1.4	40.4
OGAPI12775K	127	186	517	1034	FSL2	1.4	1.5	48.2
OGAPI05110K	51	99	690	1034	FSL0	1.1	1.2	18.2
OGAPI06410K	64	120.5	690	1034	FSL0	1.2	1.3	26.4
OGAPI07610K	76	134	690	1034	FSL0	1.3	1.4	30.2
OGAPI08910K	89	147	690	1034	FSL0	1.3	1.4	36.4
OGAPI10210K	102	160	690	1034	FSL0	1.3	1.4	40.4