



ALFAGOMMA

HIGH PRESSURE MUD AND CEMENT HOSE



// API-7K CERTIFIED

Alfagomma is officially authorized to use the API monogram for manufacturing high pressure mud and cement hoses, as specified in the following license.



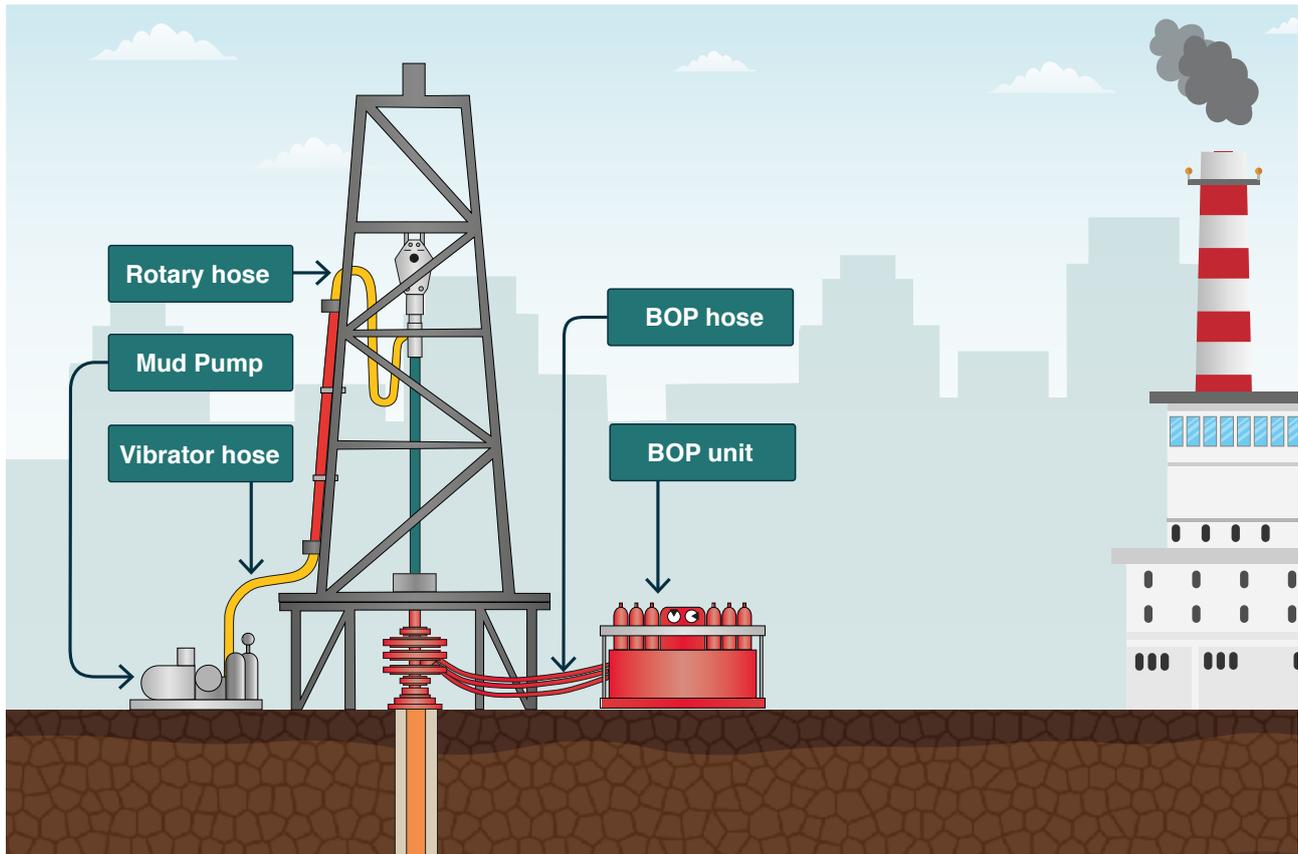
API AUDITOR'S COMMENTS ON ALFAGOMMA:

- // Strong Quality Management System
- // Knowledge workforce, working to produce a **High Quality Product**
- // High Management commitment to comply with **API-7K**
- // **Excellent PDCA cycle** and Management review requirements are met to satisfy **API-7K**

// DRILLING APPLICATIONS

Alfagomma Rotary hoses are designed for land and offshore drilling rig applications.

- ▲ Robust and highly flexible construction
- ▲ Oil and drilling mud resistant synthetic rubber tube
- ▲ Multiple layers of spiraled high tensile steel wire reinforcement
- ▲ Abrasion, ozone, and hydrocarbon resistant synthetic rubber cover



// DRILLING

// HIFLEX ROTARY & VIBRATOR 5K



Rotary 5.000 psi

API SPEC 7K - Grade D - FSL2

Tube: oil and drilling mud resistant synthetic rubber.

Reinforcement: multiple layers of spiralled high tensile steel wire.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: Rotary drilling, Vibrator and Motion Compensator.

Temperature: -20 °C +100 °C (-4 °F +212 °F)

Length: 47,25 m (155 ft) max

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	TP (psi)	BP (psi)	BR (mm)	Weight (kg/m)	Weight (lb/ft)
51,0	2"	95,0	3,74	345	5000	7500	12500	900	13,060	8,78
63,0	2 1/2"	110,3	4,34	345	5000	7500	12500	900	17,360	11,67
76,0	3"	125,6	4,94	345	5000	7500	12500	1200	19,520	13,12
90,0	3 1/2"	138,3	5,44	345	5000	7500	12500	1400	21,790	14,65
100,0	4"	160,4	6,31	345	5000	7500	12500	1400	34,470	23,17

BR inch: according to API 7K

// HIFLEX ROTARY & VIBRATOR 7.5K



Rotary 7.500 psi

API SPEC 7K - Grade E - FSL2

Tube: oil and drilling mud resistant synthetic rubber.

Reinforcement: multiple layers of spiralled high tensile steel wire.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: Rotary drilling, Vibrator and Motion Compensator.

Temperature: -20 °C +100 °C (-4 °F +212 °F)

Length: 47,25 m (155 ft) max

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	TP (psi)	BP (psi)	BR (mm)	Weight (kg/m)	Weight (lb/ft)
76,0	3"	132,8	5,23	517	7500	11250	18750	1200	26,870	18,06
90,0	3 1/2"	145,5	5,73	517	7500	11250	18750	1400	30,220	20,31
100,0	4"	167,6	6,60	517	7500	11250	18750	1500	41,440	27,85

BR inch: according to API 7K

SWAGED HOSE ASSEMBLY WITH INTEGRAL ONE PIECE HAMMER UNIONS, FLANGES AND MALE API TERMINATIONS

// FLEXOR RIG - SLIM HOLE ROTARY



MSHA

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluid.

Reinforcement: four high tensile steel spirals.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: Rotary hose for portable, workover and seismograph drilling rigs.

Temperature: -40 °C +121 °C (-40 °F +250 °F)

Length: 61 m (200 ft)

Notes: four spirals construction. Available with male API threaded extra-long hexagon fittings.

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (Mpa)	WP (psi)	BP (Mpa)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
63,0	2 1/2"	79,0	3,11	22,0	3200	56,0	8000	720	28,35	4,897	3,30
76,0	3"	92,5	3,64	22,0	3200	56,0	8000	840	33,07	5,760	3,88

// FLEXOR RIG - ROTARY



MSHA

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.

Reinforcement: six high tensile steel spirals.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: Rotary hose for portable, workover and seismograph drilling rigs.

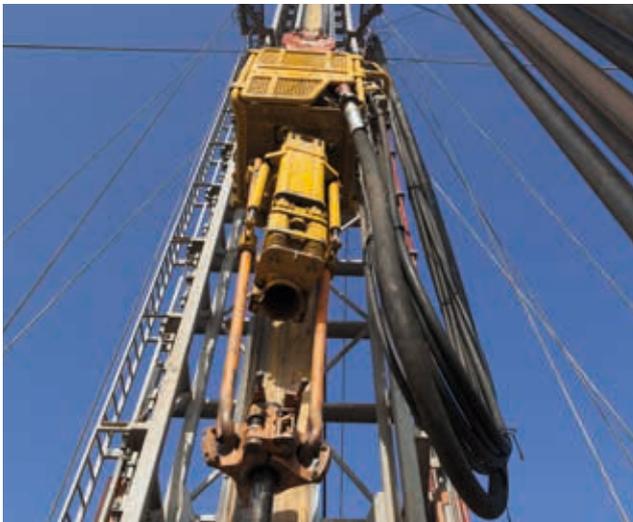
Temperature: -40 °C +121 °C (-40 °F +250 °F)

Length: 61 m (200 ft)

Notes: six spirals construction. Available with male API threaded extra-long hexagon fittings.

ID (Dash)	ID (mm)	ID (in)	OD (mm)	OD (in)	WP (Mpa)	WP (psi)	BP (Mpa)	BP (psi)	BR (mm)	BR (in)	Weight (kg/m)	Weight (lb/ft)
48	76,0	3"	95,6	3,76	35,0	5000	87,5	12500	900	35,43	7,917	5,33

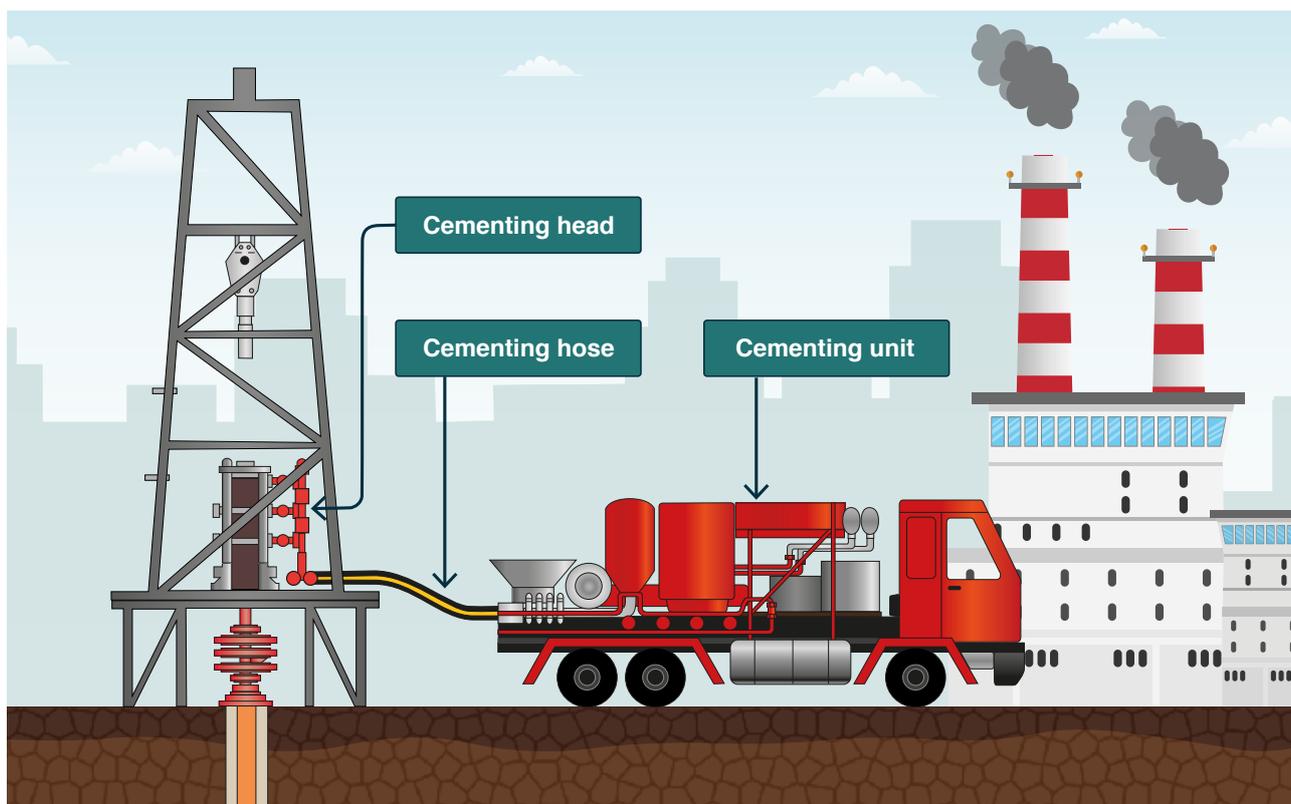
CRIMPED HOSE ASSEMBLY WITH MALE API TERMINATIONS



// CEMENTING APPLICATIONS

The harsh environmental condition in the drilling fields required high quality products, safety, reliability and durability. Alfagomma Oil well cementing hose assemblies is the solution for cementing operations to connect the high pressure cementing pump to the cementing head.

- ▲ High abrasion resistance inner tube special compound.
- ▲ Oil well cementing 10K is provided with a Supertuff cover for the most demanding abrasion requirements.
- ▲ Easy and faster installation compared to the iron pipe hoses.



// OIL WELL CEMENTING

// FLEXOR RIG - OIL WELL CEMENTING 5K



MSHA

Cementing 5.000 psi API Spec 7K - FSL0

Tube: cement, oil and drilling mud resistant synthetic rubber.

Reinforcement: six high tensile steel spirals.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. "Minetuff" cover.

Application: high pressure cement slurry transfer between pump manifold and cementing head.

Temperature: -20 °C +121 °C (-4 °F +250 °F)

Length: 61 m (200 ft) max

Notes: Available with integral Fig. 1502 coupling or API threaded male extra-long hexagon fittings.

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	BP (bar)	BP (psi)	BR (mm)	Weight (kg/m)	Weight (lb/ft)
51,0	2"	72,0	2,83	345	5000	863	12500	900	6,561	4,41

BR inch: according to API 7K

// FLEXOR RIG - OIL WELL CEMENTING 10K SUPERTUFF



MSHA

Cementing 10.000 psi API Spec 7K - FSL0

Tube: cement, oil and drilling mud resistant synthetic rubber.

Reinforcement: six high tensile steel spirals.

Cover: special "Supertuff" cover for excellent abrasion resistance and long service life in heavy duty applications.

Application: high pressure cement slurry transfer between pump manifold and cementing head.

Temperature: -20 °C +121 °C (-4 °F +250 °F)

Length: 61 m (200 ft) max

Notes: Fully API 7K approved when supplied with Alfagomma Integral 2" 1502 Hammer Union couplings.

Also available with API threaded male extra-long hexagon fittings.

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	BP (bar)	BP (psi)	BR (mm)	Weight (kg/m)	Weight (lb/ft)
51,0	2"	72,0	2,83	690	10000	1553	22500	900	6,694	4,50

BR inch: according to API 7K

// HIFLEX CEMENTING 10K



Grade Cement 10.000 psi API SPEC 7K - FSL0

Tube: oil and drilling mud resistant synthetic rubber.

Reinforcement: multiple layers of spiralled high tensile steel wire.

Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.

Application: high pressure cement slurry transfer between pump manifold and cementing head.

Temperature: -20 °C +100 °C (-4 °F +212 °F)

Length: 47,25 m (155 ft) max

ID (mm)	ID (in)	OD (mm)	OD (in)	WP (bar)	WP (psi)	TP (bar)	BP (psi)	BR (mm)	Weight (kg/m)	Weight (lb/ft)
76,0	3"	135,6	5,34	690	10000	1034	22500	1500	30,400	20,44
90,0	3 1/2"	148,2	5,83	690	10000	1034	22500	1600	33,900	22,79
100,0	4"	171,2	6,74	690	10000	1034	22500	1800	48,000	32,26

BR inch: according to API 7K

// OIL WELL CEMENTING ASSEMBLY

Alfagomma offers a complete range of oil well cementing hose, fittings and accessories specially designed to handle corrosive cement to convey cementing slurries between the cementing pump manifold and the cementing head of the drilling equipment.

The result is an integrated assembly system ABS approved. All hose assemblies are pressure tested to guarantee control and safety during all operations in severe conditions.



HOSE

Cement, oil and drilling mud resistant synthetic rubber.
Six high tensile steel spirals.

Special "Supertuff" cover for excellent abrasion, resistance and long service life in heavy duty applications.
MSHA APPROVED.

API 7K approved when supplied with Alfagomma Integral 2" Fig 1502 Hammer Union couplings.

FITTINGS

Specially designed to meet the severe condition of cementing operations.
Integral Hammer Union Fig 1502.



// H1T1281Z
API Male



// H1T13F13
Male Hammer Union Fig. 1502
integral fitting with Lug Nut

// H1T23F10
Female Hammer Union Fig. 1502
integral fitting with Rubber Ring



HEADQUARTER
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