

Flexible Production Lines – for Gas Service

Certification	: API Spec. 17K – ISO 13628-10 / API Monogram
Operating temperature	: -20 to +90 °C
Allowed aromatic content	: max. 30 %
Max. allowed H ₂ S content	: H ₂ S content up to 60°C 3000 ppm or 15 psi whichever greater; H ₂ S content up to 90°C 1000 ppm or 5 psi whichever greater
Recommended maximum flow velocity:	20 m/sec for dry gas; 15 m/sec for liquid; 8 m/sec for gaseous oil
Maximum available length	: 60 m or 200 ft
Production tolerance	: +/- 64 mm up to 6.4 m hose length, or +/- 1%



APPLICATIONS:

- Live crude oil
- Gas export
- Gas injection
- Gas lift
- Sour service
- Topside jumper
- Subsea jumper
- Tie-in
- Riser
- Flow line

I.D.	Type	Design Pressure		Test Pressure	Safety factor	O.D. Hose Body	MBR Static	MBR Dynamic	Weight of Hose Body
		for gas	for liquid						
in	-	psi	psi	psi	* WP	mm	m	m	kg/m
2	Standard	7500	10000	15000	142	2.25	1.1	1.5	38
2	Standard c/w st. st. wrap	7500	10000	15000	152	2.25	1.1	1.5	42
2	Fire rated	7500	10000	15000	163	2.25	1.2	1.7	47
2	Fire rated c/w st. st. wrap	7500	10000	15000	174	2.25	1.2	1.7	53
2.5	Standard	7500	10000	15000	153	2.25	1.2	1.7	41
2.5	Standard c/w st. st. wrap	7500	10000	15000	167	2.25	1.2	1.7	49
2.5	Fire rated	7500	10000	15000	174	2.25	1.4	1.8	50
2.5	Fire rated c/w st. st. wrap	7500	10000	15000	180	2.25	1.4	1.8	56
3	Standard	7500	10000	15000	169	2.25	1.4	1.8	49
3	Standard c/w st. st. wrap	7500	10000	15000	180	2.25	1.4	1.8	56
3	Fire rated	7500	10000	15000	189	2.25	1.5	2	59
3	Fire rated c/w st. st. wrap	7500	10000	15000	201	2.25	1.5	2	67
3.5	Standard	7500	10000	15000	195	2.25	1.6	2.1	68
3.5	Standard c/w st. st. wrap	7500	10000	15000	207	2.25	1.6	2.1	76
3.5	Fire rated	7500	10000	15000	208	2.25	1.8	2.3	76
3.5	Fire rated c/w st. st. wrap	7500	10000	15000	227	2.25	1.8	2.3	88
4	Standard	7500	10000	15000	219	2.25	1.6	2.1	89
4	Standard c/w st. st. wrap	7500	10000	15000	230	2.25	1.6	2.1	98
4	Fire rated	7500	10000	15000	239	2.25	1.8	2.3	102
4	Fire rated c/w st. st. wrap	7500	10000	15000	251	2.25	1.8	2.3	112
5	Standard	6000	8000	12000	245	2.25	2	2.7	104
5	Standard c/w st. st. wrap	6000	8000	12000	257	2.25	2	2.7	114
5	Fire rated	6000	8000	12000	266	2.25	2.2	2.9	118
5	Fire rated c/w st. st. wrap	6000	8000	12000	277	2.25	2.2	2.9	130
6	Standard	5000	6000	9000	257	2.25	1.8	2.4	96
6	Standard c/w st. st. wrap	5000	6000	9000	269	2.25	1.8	2.4	106
6	Fire rated	5000	6000	9000	278	2.25	1.9	2.6	112
6	Fire rated c/w st. st. wrap	5000	6000	9000	289	2.25	1.9	2.6	123
7	Standard	4250	5000	7500	279	2.25	2	2.7	101
7	Standard c/w st. st. wrap	4250	5000	7500	291	2.25	2	2.7	117
7	Fire rated	4250	5000	7500	299	2.25	2.2	2.9	117
7	Fire rated c/w st. st. wrap	4250	5000	7500	312	2.25	2.2	2.9	135



I.D.	Type	Design Pressure		Test Pressure	Safety factor	O.D. Hose Body	MBR Static	MBR Dynamic	Weight of Hose Body
		for gas	for liquid						
in	-	psi	psi	psi	* WP	mm	m	m	kg/m
8	Standard	3750	5000	7500	311	2.25	2.2	2.9	121
8	Standard c/w st. st. wrap	3750	5000	7500	325	2.25	2.2	2.9	136
8	Fire rated	3750	5000	7500	331	2.25	2.4	3.2	139
8	Fire rated c/w st. st. wrap	3750	5000	7500	346	2.25	2.4	3.2	156
10	Standard	2250	3500	5250	362	2.25	2.5	3.3	146
10	Standard c/w st. st. wrap	2250	3500	5250	374	2.25	2.5	3.3	161
10	Fire rated	2250	3500	5250	383	2.25	2.6	3.5	168
10	Fire rated c/w st. st. wrap	2250	3500	5250	394	2.25	2.6	3.5	184
12	Standard	2250	3500	5250	410	2.25	2.7	3.6	169
12	Standard c/w st. st. wrap	2250	3500	5250	421	2.25	2.7	3.6	186
12	Fire rated	2250	3500	5250	430	2.25	2.8	3.8	194
12	Fire rated c/w st. st. wrap	2250	3500	5250	442	2.25	2.8	3.8	212
13	Standard	1500	3000	4500	434	2.25	2.9	3.9	181
13	Standard c/w st. st. wrap	1500	3000	4500	445	2.25	2.9	3.9	199
13	Fire rated	1500	3000	4500	454	2.25	3	4.1	207
13	Fire rated c/w st. st. wrap	1500	3000	4500	466	2.25	3	4.1	226
14	Standard	1250	3000	4500	457	2.25	3.1	4.2	189
14	Standard c/w st. st. wrap	1250	3000	4500	469	2.25	3.1	4.2	196
14	Fire rated	1250	3000	4500	477	2.25	3.2	4.4	215
14	Fire rated c/w st. st. wrap	1250	3000	4500	489	2.25	3.2	4.4	224

Smooth Bore High Pressure for Liquid Service:

- Operating temperature : -25 to +90°C for oily medium without gas, or -25 to +60°C for water
- Allowed aromatic content : max. 40%
- Recommended maximum flow velocity : 15 m/sec
- Maximum available length : 60 m or 200 ft
- Production length tolerance : +/- 64 mm up to 6.4 m hose length or +/- 1%



APPLICATIONS:

- Water injection hoses
- Mud delivery hoses
- High pressure oil export hoses
- High pressure loading hoses

API Spec. 17K – ISO 13628 -10 / API Monogram

I.D.	Type	Design pressure max.	Test pressure	Safety factor	O.D. Hose Body	MBR Static	MBR Dynamic	Weight of Hose Body
in	-	psi	psi	* WP	mm	m	m	kg/m
4	Standard	6000	9000	2.25	196	1.6	2.1	61
4	Fire rated	6000	9000	2.25	217	1.7	2.3	71
5	Standard	6000	9000	2.25	222	1.6	2.1	72
5	Fire rated	6000	9000	2.25	242	1.7	2.3	85
5.5	Standard	6000	9000	2.25	235	1.7	2.3	77
5.5	Fire rated	6000	9000	2.25	255	1.8	2.4	91
6	Standard	6000	9000	2.25	254	1.8	2.4	91
6	Fire rated	6000	9000	2.25	276	1.9	2.6	102
7	Standard	5000	7500	2.25	284	2.1	2.7	109
7	Fire rated	5000	7500	2.25	306	2.2	3	127
8	Standard	4500	6750	2.25	314	2.2	3	120
8	Fire rated	4500	6750	2.25	336	2.4	3.3	137

