



Flameguard Hoses



Techfluid Fire-Rated Selection



► Flameguard 5000 API 16D at 700°C for 5 minutes

Hydraulic BOP **Flameguard 5000** range is a hydraulic control hose that operates whilst exposed directly to fire for a minimum of 5 minutes ensuring all well control operations can be effective in an emergency situation.

Hydraulic BOP 3000/5000

Name	Identification	Working Pressure	Size /ID	Size O/D	Liner
BOP Hydraulic	BH5000	345 Bar	3/8"-2"	1.06"-3.15"	Black NBR
BOP Hydraulic *Armoured	BK5000	345 Bar	3/8"-2"	1.10"-3.15"	Black NBR



► Flameguard 300 ISO 15540 & ISO 15541, at 800°C x 30 minutes

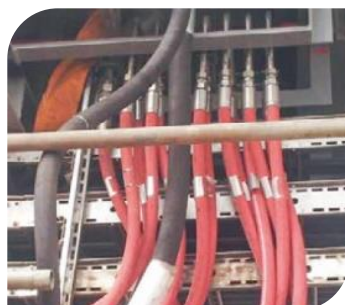
Fire Rated/Deluge **Flameguard 300** selection is design for emergency situations where operation must continue in fire conditions. Our fire rated range is utilised on offshore installations, the hose will operate in a fire for a minimum of 30 minutes offering platform personnel an escape route in emergency situations.

Industrial Fire Rated Selection

Name	Identification	Working Pressure	Size /ID	Size O/D	Liner
Fire-Rated Seawater	NHG20	21 Bar	1 1/2"-10"	2.91"-12.00"	Black NBR



*Larger bore sizes available on request



Flameguard 5000

BOP Hydraulic WP 5000 PSI



Application	BOP hose is mainly used for hydraulic control of BOP. Operating pressure is 5000PSI. It can be directly exposed to flame for more than 5min at the temperature of 704°C, to ensure control system can be operated under emergencies.
Branding	Techfluid BH5000 FLAMEGUARD BOP HYDRAULIC OIL WP 5000 PSI
Hose structure	
Tube	Black, smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance
Reinforcement	High tension steel wire
Cover	Red, chloroprene rubber, fire resistance, wear resistance, ozone & ageing resistance, oil resistance
Temperature range	-40°C to + 121°C
Fire resistance	API 16D, 704°C x 5 minutes










Type	Internal Diameter		Outside Diameter		Working Pressure		Burst Pressure		Safety Factor	MBR (mm)	Weight (Kg/m)	Length Max (m)
	(inch)	(mm)	(inch)	(mm)	(bar)	(psi)	(bar)	(psi)				
BH506	3/8	10	1.02	26	345	5,000	1,380	20,000	4.0	152	1.3	100
BH508	½	12.5	1.18	30	345	5,000	1,380	20,000	4.0	229	1.5	100
BH5012	¾	19	1.54	39	345	5,000	1,380	20,000	4.0	305	2.0	100
BH5016	1	25	1.77	45	345	5,000	1,380	20,000	4.0	381	3.1	100
BH5020	1 ¼	32	2.28	58	345	5,000	1,380	20,000	4.0	457	4.9	60
BH5024	1 ½	38	2.48	63	345	5,000	1,380	20,000	4.0	559	5.8	60
BH5032	2	51	3.14	80	345	5,000	1,380	20,000	4.0	686	8.4	40

Rev-01

BOP Hydraulic 5000 Hose (Armoured)



Application	BOP hose is mainly used for hydraulic control of BOP. Operating pressure is 5000PSI. It can be directly exposed to flame for more than 5min at the temperature of 704°C, to ensure control system can be operated under emergencies.
Hose structure	
Tube	Black, smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance
Reinforcement	High tension steel wire
Fire shield layer	Glass fiber cloth
Cover	Black, chloroprene rubber, fire resistance, wear resistance, ozone & ageing resistance, oil resistance
Temperature Range	-40°C to + 121°C
Fire resistance	API 16D, 704°C x 5 minutes






 Type	 Internal Diameter		 Outside Diameter		 Working Pressure		 Burst Pressure		 Safety Factor	 MBR	 Weight	 Length Max
	(inch)	(mm)	(inch)	(mm)	(bar)	(psi)	(bar)	(psi)		(mm)	(Kg/m)	(m)
BK506	3/8	10	1.26	32	345	5,000	1,380	20,000	4.0	152	1.6	100
BK508	1/2	12.5	1.53	39	345	5,000	1,380	20,000	4.0	229	2.0	100
BK5012	3/4	19	1.93	49	345	5,000	1,380	20,000	4.0	305	2.6	100
BK5016	1	25	1.16	55	345	5,000	1,380	20,000	4.0	381	3.7	100
BK5020	1 1/4	32	2.67	68	345	5,000	1,380	20,000	4.0	457	6.0	60
BK5024	1 1/2	38	2.95	75	345	5,000	1,380	20,000	4.0	559	7.1	60
BK5032	2	51	3.62	92	345	5,000	1,380	20,000	4.0	686	10.0	40

Rev-00

Flameguard 300 Hose



Application	Mainly used for seawater delivery in firefighting systems on offshore platforms, also can be used for delivery of gasoline, diesel oil, fuel oil with aromatic content up to 50%, mud, air and for other general purposes. It can be directly exposed to flame for more than 30 minutes at the temperature of 800°C, which enable operators to rescue and escape under emergencies.
Hose Branding	Techfluid NHG20 FLAMEGUARD 300 HOSE TECHFLUID WP21 BAR
Hose structure	
Tube	Black smooth nitrile rubber, oil resistance, seawater resistance, high temperature resistance, acid & alkali resistance.
Reinforcement	High strength steel tyre cord, anti-static copper wire, helix steel wire for hose size up to 6" and above.
Cover	Red chloroprene rubber, fire resistance, wear resistance, ozone & ageing resistance, oil resistance.
Fire shield layer	Glass fiber cloth
Temperature Range	-30°C to + 100°C
Fire resistance	ISO 15540 & ISO 15541, at 800°C x 30 minutes

 Type	 Internal Diameter		 Outside Diameter		 Working Pressure		 Burst Pressure		 Safety Factor	 MBR	 Weight	 Length Max
	(inch)	(mm)	(inch)	(mm)	(bar)	(psi)	(bar)	(psi)		(mm)	(Kg/m)	(m)
NHG2024	1 ½	38	2.91	74	21	305	104	1,520	5	300	3.6	70
NHG2032	2	51	3.11	79	21	305	104	1,520	5	310	4.5	70
NHG2048	3	76	4.13	105	21	305	104	1,520	5	500	6.3	70
NHG2064	4	102	5.28	134	21	305	104	1,520	5	600	9.3	70
NHG2080	5	127	6.22	158	21	305	104	1,520	5	1,100	12.8	70
NHG2096	6	152	7.48	190	21	305	104	1,520	5	1,300	17.5	70
NHG20128	8	203	9.57	243	21	305	104	1,520	5	1,500	27.3	70
NHG20160	10	254	11.81	305	21	305	104	1,520	5	1,600	32.0	70

Larger bore sizes available on request.

Rev-01

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