

BOP



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HNVFR



Male and Female couplings with poppet valve shut-off system, **Lloyd's certified, suitable for Oil & Gas** applications.

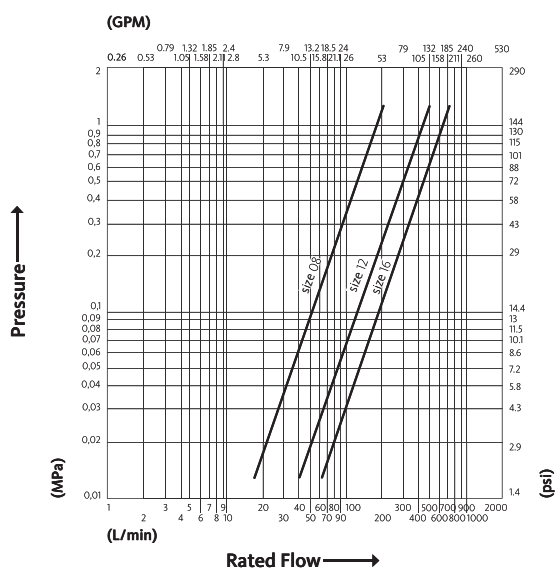
Thanks to special components and seals, HNVFR couplings are API 16 D certified and suitable for BOP application. Interchangeable according to ISO 7241 Part B.



Applications



Pressure Drop



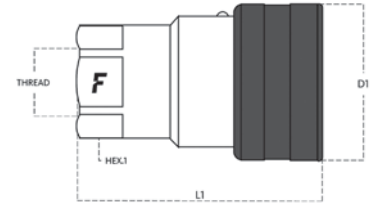
Technical Specifications

dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
08	12.5	1/2"	21	75	2.8	97	140	140	150
12	20	3/4"	21	190	10	120	110	100	100
16	25	1"	23	270	13	180	120	120	120

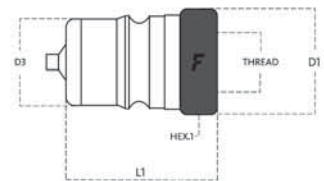
Material	Steel
Seals	SPECIAL
Working temperatures	BOP
Surface treatment	MATE 500 (CrIII); Paint
Series Interchange	ISO 7241 part B

Valve Type	Poppet
Connection	Sleeve Retraction
Disconnection	Sleeve Retraction
Connection Under Pressure	Not Allowed

HNVFR



Size		Thread details			FEMALE							
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1		
						mm	inch	mm	inch	mm	inch	
12.5	1/2"	F NPTF	ANSI B1.20.3	NPTF 1/2" FEMALE	HNVFR 12 NPT F	72	2.83	47.2	1.86	30	1.18	
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	HNVFR 34 NPT F	89	3.5	56.2	2.21	36	1.42	
25	1"	F NPTF	ANSI B1.20.3	NPTF 1" FEMALE	HNVFR 1 NPT F	106.4	4.19	62.2	2.45	41	1.61	



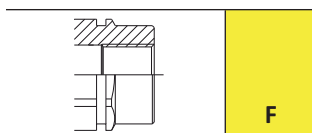
Size		Thread details			MALE									
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1		
						mm	inch	mm	inch	mm	inch	mm	inch	
12.5	1/2"	F NPTF	ANSI B1.20.3	NPTF 1/2" FEMALE	HNVFR 12 NPT M	44	1.73	30	1.18	23.5	0.93	27	1.06	
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	HNVFR 34 NPT M	55	2.17	38	1.5	31.5	1.24	36	1.42	
25	1"	F NPTF	ANSI B1.20.3	NPTF 1" FEMALE	HNVFR 1 NPT M	66	2.6	45	1.77	37.8	1.49	41	1.61	

HNVFR Accessories and Spares



PVC dust protections

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FHVFR



Screw to Connect Flat Face couplings, Lloyd's certified, suitable for Oil & Gas applications.

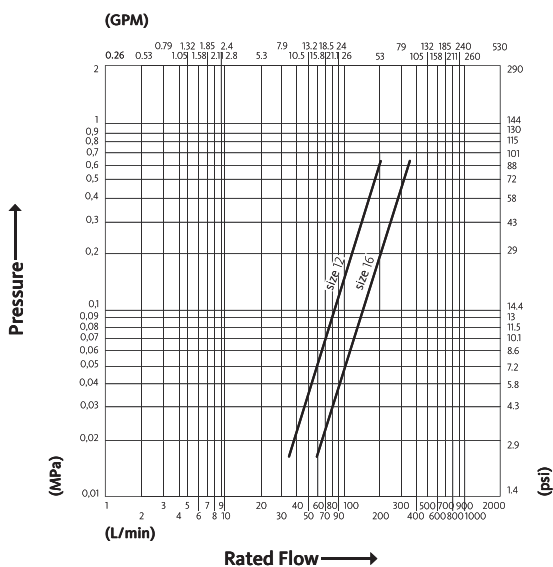
Equipped with a safety sleeve to help preventing accidental disconnections due to vibrations. Zinc-Nickel plating. Thanks to special components and seals, FHVFR couplings are API 16 D certified and suitable for BOP applications. Faster proprietary profile.



Applications



Pressure Drop



Test performed according to ISO 18869

Technical Specifications

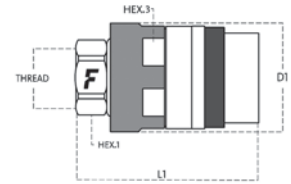
dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
12	20	3/4"	35	120	0.02	0	140	140	140

Material	Steel
Seals	SPECIAL
Working temperatures	BOP
Surface treatment	MATE 1000 (ZnNi)
Series Interchange	FASTER

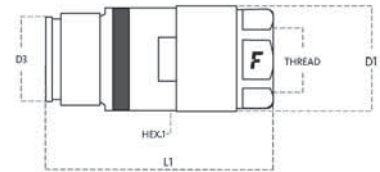
Valve Type	Flat
Connection	Screw to Connect
Disconnection	Unscrew to Disconnect
Connection Under Pressure	Allowed Male Half up to W.P.



FHVFR



Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	FHVFR12 34NPT F	129.5	5.1	64	2.52	46	1.81



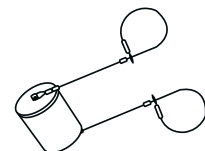
Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
20	3/4"	F NPTF	ANSI B1.20.3	NPTF 3/4" FEMALE	FHVFR12 34NPT M	122.5	4.82	54.5	2.15	35	1.38	46	1.81

FHVFR Accessories and Spares



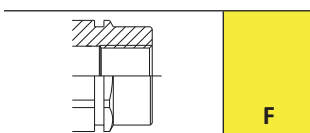
PVC dust protections

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Aluminium dust protections

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OGVFR

Screw to Connect couplings, Lloyd's certified, suitable for Oil & Gas applications.

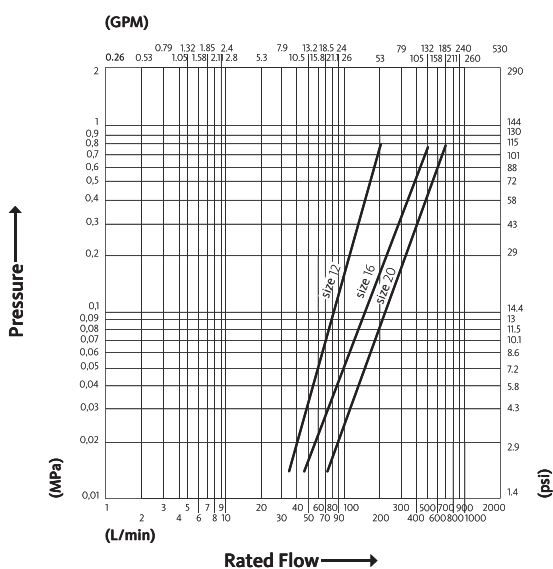
Robust sleeve design, poppet valve and ACME connection thread. Thanks to special components and seals, OGVFR couplings are API 16 D certified and suitable for BOP applications.



Applications



Pressure Drop



Technical Specifications

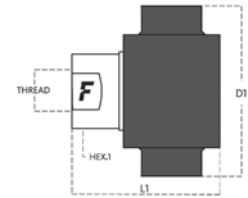
dash	Size		Working Pressure (MPa)	Flow Rate (l/min)	Spillage (ml)	Force to Connect (N)	Burst pressure (MPa)		
	mm	inch					Male	Female	Male + Female
12	20	3/4"	34.5	120	8	0	168	160	165
16	25	1"	34.5	230	18	0	165	165	172
20	31.5	1-1/4"	34.5	320	21	0	180	200	178

Material	Steel
Seals	SPECIAL
Working temperatures	BOP
Surface treatment	MATE 500 (CrIII); Paint
Series Interchange	MARKET

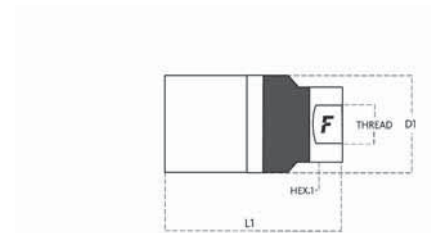
Valve Type	Poppet
Connection	Screw to Connect
Disconnection	Unscrew to Disconnect
Connection Under Pressure	Allowed Residual



OGVFR



Size		Thread details			FEMALE						
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		HEX1	
						mm	inch	mm	inch	mm	inch
20	3/4"	F NPSF	ANSI B1.20.3	NPSF 3/4 FEMALE	OGVFR12 34NPS F	72.2	2.84	65	2.56	32	1.26
25	1"	F NPSF	ANSI B1.20.3	NPSF 1 FEMALE	OGVFR16 1NPS F	87.6	3.45	105.5	4.15	41	1.61
31.5	1-1/4"	F NPTF	ANSI B1.20.3	NPTF 1-1/4" FEMALE	OGVFR20 114NPTF	111.9	4.41	118.2	4.65	50	1.97



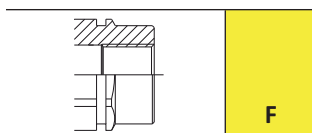
Size		Thread details			MALE								
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread)		D1		D3		HEX1	
						mm	inch	mm	inch	mm	inch	mm	inch
20	3/4"	F NPSF	ANSI B1.20.3	NPSF 3/4 FEMALE	OGVFR12 34NPS M	83.1	3.27	44.4	1.74			32	1.26
25	1"	F NPSF	ANSI B1.20.3	NPSF 1 FEMALE	OGVFR16 1NPS M	106	4.17	57.1	2.25			41	1.61
31.5	1-1/4"	F NPTF	ANSI B1.20.3	NPTF 1-1/4" FEMALE	OGVFR20 114NPTM	136.5	5.37	66.4	2.62			50	1.97

OGVFR Accessories and Spares

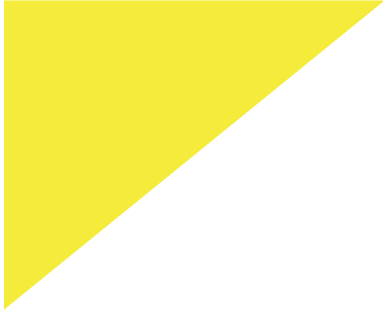


Aluminium dust protections

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BOP - Accessories



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PVC dust protections



Dust protections for female couplings

Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
08	12.5	1/2"	TMH 12	●	HNVFR
12	20	3/4"	TMH 34	●	
12	20	3/4"	TMH 34 N	●	
16	25	1"	TMH 1	●	



Dust protections for male couplings

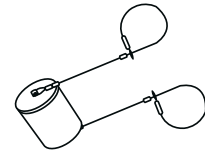
Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
08	12.5	1/2"	TFH 12	●	HNVFR
12	20	3/4"	TFH 34	●	
12	20	3/4"	TFH 34 N	●	
16	25	1"	TFH 1	●	



Dust protections for female/male couplings

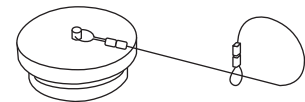
Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
12	20	3/4"	TM-TF FHV12	●	FHVFR
16	25	1"	TM-TF FHV16	●	

Aluminium dust protections



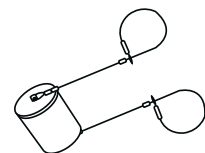
Dust protections for female couplings

Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
12	20	3/4"	TM FHV12 S	○	FHVFR
16	25	1"	TM FHV16 S	○	



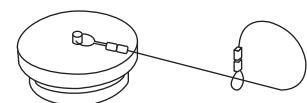
Dust protections for female couplings

Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
12	20	3/4"	TM OGV12 S	○	OGVFR
16	25	1"	TM OGV16 S	○	
20	31.5	1-1/4"	TM OGV20 S	○	



Dust protections for male couplings

Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
12	20	3/4"	TF FHV12 S	○	FHVFR
16	25	1"	TF FHV16 S	○	



Dust protections for male couplings

Size			Details		
dash	mm	inch	Part number	Colour	Available for Series
12	20	3/4"	TF OGV12 S	○	OGVFR
16	25	1"	TF OGV16 S	○	
20	31.5	1-1/4"	TF OGV20 S	○	

