FFC

Flat face cartridge couplings, stainless steel.

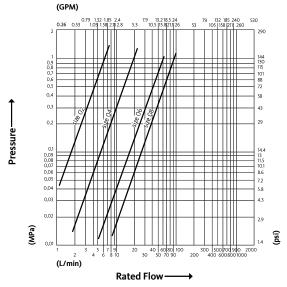
Self-aligning flat face couplings for multiconnections. Misalignments up to \pm 0.5 mm and \pm 1° (angular) are automatically compensated during the connection. Stainless steel components (AISI 316) with Viton seals. Faster proprietary profile. Cartridges without thread, to be installed into machined housing.



Applications



Pressure Drop



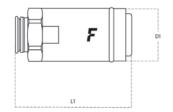
Test performed according to ISO 18869

Technical Specifications

						Burst pressure (MPa)			
Size mm	inch	Working Pressure (MPa)	Flow Rate (I/min)	Spillage (ml)	Force to Connect (N)	Male	Female	Male + Female	
3.2	1/8"	25	2.5	0.002	80	100	100	130	
6.3	1/4"	32	8	0.002	80	150	90	130	
10	3/8"	25	23	0.006	110	90	100	100	
12.5	1/2"	45	35	0.006	185	140	80	180	
	mm 3.2 6.3 10	mm inch 3.2 1/8" 6.3 1/4" 10 3/8"	mm inch (MPa) 3.2 1/8" 25 6.3 1/4" 32 10 3/8" 25	mm inch (MPa) (I/min) 3.2 1/8" 25 2.5 6.3 1/4" 32 8 10 3/8" 25 23	mm inch (MPa) (I/min) (mI) 3.2 1/8" 25 2.5 0.002 6.3 1/4" 32 8 0.002 10 3/8" 25 23 0.006	mm inch (MPa) (I/min) (ml) (N) 3.2 1/8" 25 2.5 0.002 80 6.3 1/4" 32 8 0.002 80 10 3/8" 25 23 0.006 110	Size mm Working Pressure (MPa) Flow Rate (I/min) Spillage (ml) Force to Connect (N) Male 3.2 1/8" 25 2.5 0.002 80 100 6.3 1/4" 32 8 0.002 80 150 10 3/8" 25 23 0.006 110 90	Size mm working Pressure (MPa) Flow Rate (I/min) Spillage (ml) Force to Connect (N) Male (N) Female 3.2 1/8" 25 2.5 0.002 80 100 100 6.3 1/4" 32 8 0.002 80 150 90 10 3/8" 25 23 0.006 110 90 100	

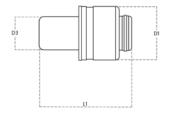
Material	Stainless Steel					
Seals	VITON					
Working temperatures	- 20 °C to +200 °C					
Surface treatment						
Series Interchange	MARKET					

Valve Type	Flat	
Connection	Special	
Disconnection	Special	
Connection Under Pressure	Not Allowed	<i>♡</i>



FFC

Si	Size Thread details				FEMALE							
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + -	Thread) inch	D1 mm inch		HEX1 mm incl		
6.3	1/4"				FFC14 F 2V	44.8	1.76	19	0.75			
10	3/8"				FFC38 F 2V	49.3	1.94	23.9	0.94			
12.5	1/2"				FFC12 F 2V	70.8	2.79	31.3	1.23			



Size Thread deta			Thread	details				MALE										
mm	inch	Thread Type	Standard	Thread	Part Number	L (L1 + Thread) mm inch		D mm	D1 mm inch		D3 mm inch		X1 inch					
6.3	1/4"				FFC14 M 2V	36	1.42	19.6	0.77	12.1	0.48							
10	3/8"				FFC38 M 2V	40.5	1.59	24.5	0.96	16.1	0.63							
12.5	1/2"				FFC12 M 2V	56	2.2	32.5	1.28	19.7	0.78							