



Patent
Application
Pending

FEATURES

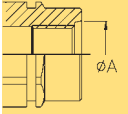
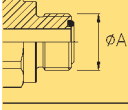

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** flat valve
- **Connectability:** both male and female couplings under pressure 3FFI series
- **Disconnection under pressure:** in two steps
- **Interchangeability:** according to ISO 16028 standard
- Connection and disconnection up to maximum working pressure are achievable with minimal effort
- Equipped with two 1/2" size couplings, male and female parts
- Drain line in the middle by 3/8" size male coupling

Technical data

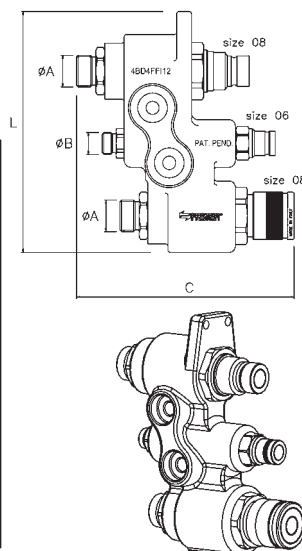
Size		ISO size ❖	DN Nominal diameter		Rated flow		Force to connect 0 MPa		Force to connect 25 MPa		Max. work. pressure *		Minimum burst pressure						Fluid spillage
													Connected		Male		Female		
			mm	inc.	l/min	GPM	N	lb	N	lb	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc max.
1/2"	08	12.5	11	0,43	100	26,4	250	55	450	100	27,5	3987	110	15950	110	15950	110	15950	0,01

*Safety factor = 1:4 - for static pressure safety factor 1:2

Available items

	❖	Cast iron & Couplings	Couplings Type	Thread Ø A	Standards Ø A	Thread Ø B	Standards Ø B	C		L	
								mm	inc.	mm	inc.
	08 & 06	4BD4FI12-58SAE	couplings according to ISO 16028 size 1/2" and 3/8"	7/8" UNF	SAE J1926-1	9/16" UNF	SAE J1926-1	175	6,89	193	7,60
	08 & 06	4BD4FI12-11/58S	couplings according to ISO 16028 size 1/2" and 3/8"	1-3/16" UN	ISO 8434-3	9/16" UNF	SAE J1926-1	175	6,89	193	7,60
	08 & 06	4BD4FI12-13/58S	couplings according to ISO 16028 size 1/2" and 3/8"	7/8" UNF	ISO 8434-2	9/16" UNF	SAE J1926-1	175	6,89	193	7,60
		4BD4FI12-13/34S		1-1/16" UN	ISO 8434-2	9/16" UNF	SAE J1926-1	175	6,89	193	7,60

♦ ISO size *On request



Pressure drop graph: test bench to ISO 7241-2 specifications with ISO VG 32 oil temperature at 40°C (104°F).

Materials:

- Female in steel with carbonitrided wear parts.
- Male in high grade carbon steel, induction hardened.
- Valves in steel.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in AISI and C98 steel.
- High resistance balls 100 C6.

Seals:

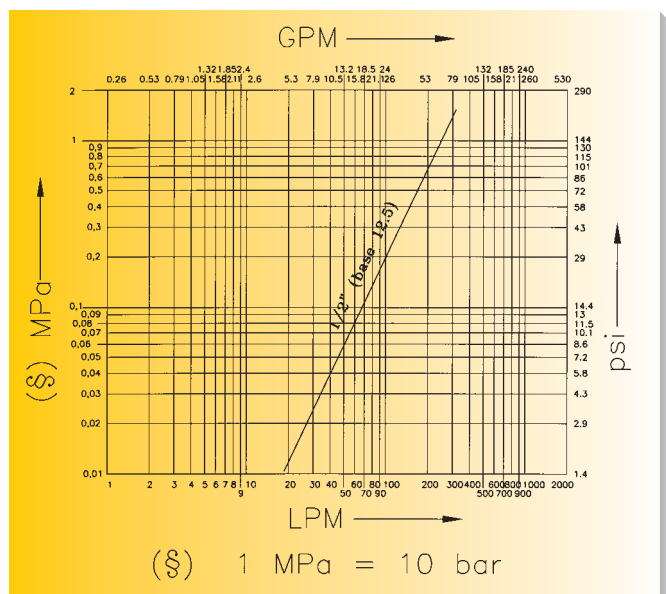
Standard in oilproof NBR (Nitrile Rubber) and Polyurethane.
On request: Viton, Neoprene, EPDM or other seals.

Antiextrusion rings:

In pure PTFE.

Working temperatures:

with standard seals from -25°C (-13°F) to +100°C (+212°F).
For different temperature, the quick-release coupling will be supplied with the appropriate seals.



The descriptions and illustrations in this catalogue are for information only and not binding.