

Features

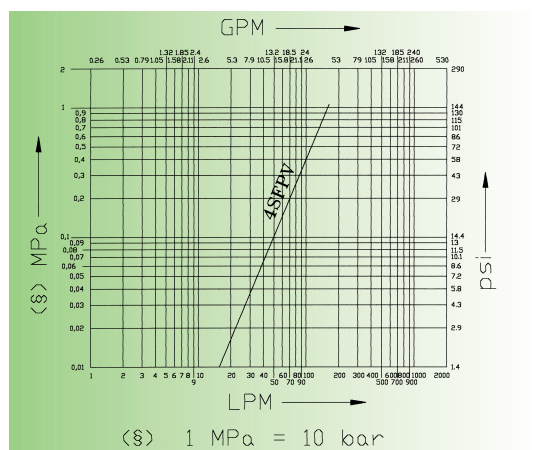
- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling the male coupling
- **Shut-off system:** poppet valve
- **Connectability:** both male and female couplings under pressure (two steps connection)
- **Disconnection under pressure:** in case of emergency only
- **Interchangeability:** according to ISO 7241-1 part A standard

- Balls-bearing latching system
- Guidevalve with mechanical backstop
- Suitable for rigid tubes and distributors
- Breakaway feature
- Internal mechanical block patented
- Frontal relief microvalve

Technical data

Size	DN Nominal diameter		Rated Flow		Force to connect		Max. work. pressure *		Minimum burst pressure						Fluid spillage
									Connected		Male		Female		
	mm	inc	l/min.	GPM	N	lb.	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	
08	10.5	0.41	68	17.9	220	48	25	3625	105	15250	105	15250	100	14500	See graph

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



Pressure drop graph:

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

Materials:

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

Seals:

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

Antiextrusion rings:

In pure PTFE.

Working temperatures:

with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).

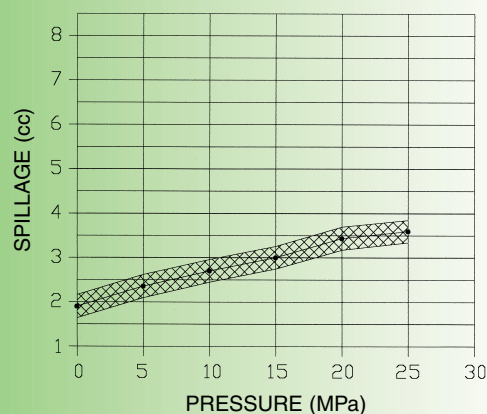
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the appropriate seals.

Series 4SFPV

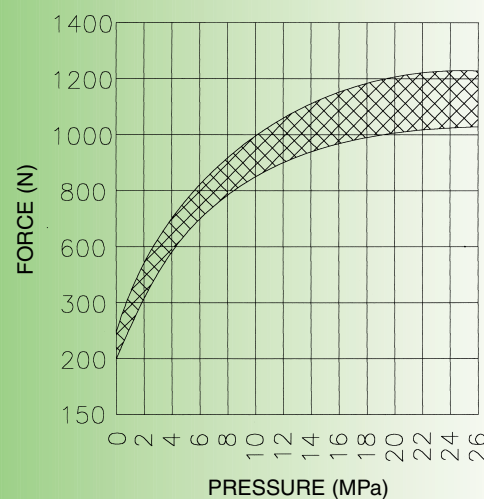


Patent Application Pending

Fluid volume in the plant connected to the female half (1500cc).



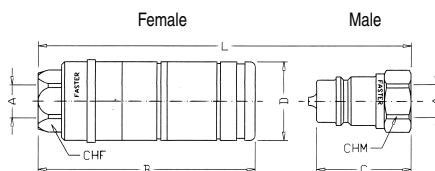
Fluid spillage during connection and disconnection phase.



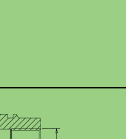
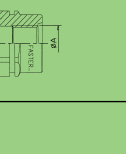
Disconnection force results from internal pressure. (Breakaway feature)

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

Series 4SFPV



LEHENGOK, S. A.

	❖	Female	Male	Ø A	Standards	B		C		Ø D		L		CHF		CHM		Ø T		OEM's users	
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.		
	08	4SFPV 12GAS F 4SFPV 12NPT F	Male coupling according to ISO 7241-1 part A (see page 6)	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	107,3 107,3	4,22 4,22	44 44	1,73 1,73	38 38	1,50 1,50	129,3 129,3	5,09 5,09	27 27	1,06 1,06	27 27	1,06 1,06			C-F-I-P N	
	08	*4SFPV 34UNF F 4SFPV 78UNF F 4SFPV 1116 UN F		3/4" UNF 7/8" UNF 1 1/16" UN	SAE J 1926-1 SAE J 1926-1 SAE J 1926-1	107,3 109,3 109,3	4,22 4,30 4,30	44 44 44	1,73 1,73 1,73	38 38 38	1,50 1,50 1,50	129,3 131,3 131,3	5,09 5,17 5,17	27 30 32	1,06 1,18 1,26	27 27 27	1,06 1,06 1,06				