

FEATURES

- **Connection system:** pushing the male coupling
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** flat valve (male coupling with single valve)
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** according to ISO 16028 and HTMA standard
- Made of AISI 316 stainless steel
- Balls-bearing latching system
- Suitable for aggressive environments and corrosive fluids



Patent
Application
Pending

Technical data

Size		ISO 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	cc max.
1/4"	04	6.3	7	0,28	20	5,3	95	20,9	25	3625	120	17400	100	14500	100	14500	0,006
3/8"	06	10	9	0,35	68	18	115	25,3	25	3625	100	14500	100	14500	100	14500	0,008
1/2"	08	12.5	11	0,43	100	26,4	220	48,5	25	3625	100	14500	100	14500	100	14500	0,01
5/8"	10	16	14	0,55	150	39,7	205	45,1	25	3625	100	14500	100	14500	100	14500	0,02
3/4"	12	19	16	0,63	160	42,3	190	41,8	25	3625	100	14500	100	14500	100	14500	0,02
1"	16	25	18	0,71	210	55,5	200	44	25	3625	100	14500	100	14500	100	14500	0,03

*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 AISI 316 stainless steel.
- Male in AISI 316 stainless steel.
- Valves in AISI 316 stainless steel.
- Springs in AISI 304 stainless steel.
- Balls in AISI 316 stainless steel.

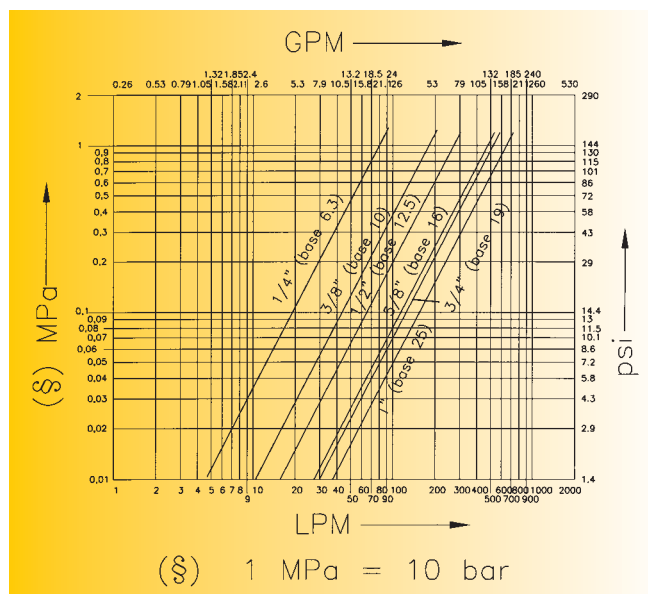
Seals:

Standard in oilproof NBR (Nitrile Rubber) and Polyurethane.

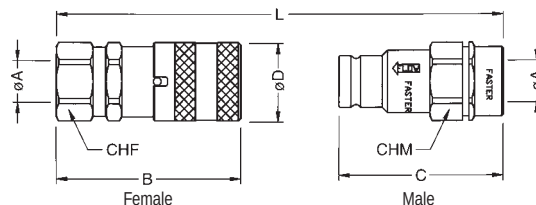
On request: Viton, Neoprene, EPDM, Kalrez, other.

Working temperatures: 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.



	❖	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM		Ø T		P	
						mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
	6,3	2FFI14 GAS F2 2FFI14 NPT F2	FFI14 GAS M2 FFI14 NPT M2	1/4" BSP 1/4" NPTF	DIN 3852-2-X ANSI B1.20.3	58,6 58,6	2,31 2,31	48 48	1,89 1,89	27 27	1,06 1,06	96,1 96,1	3,78 3,78	24 24	0,94 0,94	24 24	0,94 0,94				
	10	2FFN38 GAS F2	FFN38 GAS M2	3/8" BSP	DIN 3852-2-X	73	2,87	62,7	2,47	30	1,18	119,7	4,71	27	1,06	27	1,06				
		2FFN38-12 GAS F2	FFN38-12 GAS M2	1/2" BSP	DIN 3852-2-X	74,6	2,94	66,7	2,63	30	1,18	125,3	4,93	27	1,06	27	1,06				
		2FFN38 NPT F2	FFN38 NPT M2 U	3/8" NPTF	ANSI B1.20.3	73	2,87	62,7	2,47	30	1,18	119,7	4,71	27	1,06	27	1,06				
		*2FFN38-12 NPT F2	*FFN38-12 NPT M2	1/2" NPTF	ANSI B1.20.3	75,6	2,98	66,7	2,63	30	1,18	126,3	4,97	27	1,06	27	1,06				
	12,5	2FFI12 GAS F2	FFI12 GAS M2	1/2" BSP	DIN 3852-2-X	82,4	3,24	78,5	3,09	38	1,50	143,4	5,65	32	1,26	32	1,26				
		2FFI12-34 GAS F2	FFI12-34 GAS M2	3/4" BSP	DIN 3852-2-X	86,4	3,40	83,5	3,29	38	1,50	152,4	6,00	32	1,26	32	1,26				
		2FFI12 NPT F2	FFI12 NPT M2	1/2" NPTF	ANSI B1.20.3	82,4	3,24	78,5	3,09	38	1,50	143,4	5,65	32	1,26	32	1,26				
	16	*2FFI58 GAS F2	*FFI58 GAS M2	5/8" BSP	DIN 3852-2-X	92	3,62	85	3,35	42	1,65	161	6,34	38	1,50	38	1,50				
		*2FFI58-34G F2	*FFI58-34G M2	3/4" BSP	DIN 3852-2-X	92	3,62	85	3,35	42	1,65	161	6,34	38	1,50	38	1,50				
		*2FFI58 NPT F2	*FFI58 NPT M2	5/8" NPTF	ANSI B1.20.3	92	3,62	85	3,35	42	1,65	161	6,34	38	1,50	38	1,50				
*2FFI58-34N F2		*FFI58-34N M2	3/4" NPTF	ANSI B1.20.3	92	3,62	85	3,35	42	1,65	161	6,34	38	1,50	38	1,50					
19	2FFI34 GAS F2	FFI34 GAS M2	3/4" BSP	DIN 3852-2-X	100,3	3,95	99,4	3,91	48	1,89	178,7	7,04	41	1,61	42	1,65					
	*2FFI34-1GAS F2	FFI34-1GAS M2	1" BSP	DIN 3852-2-X	100,3	3,95	99,4	3,91	48	1,89	178,7	7,04	41	1,61	42	1,65					
	2FFI34 NPT F2	FFI34 NPT M2	3/4" NPTF	ANSI B1.20.3	100,3	3,95	99,4	3,91	48	1,89	178,7	7,04	41	1,61	42	1,65					
	*2FFI34-1N F2	*FFI34-1N M2	1" NPTF	ANSI B1.20.3	100,3	3,95	99,4	3,91	48	1,89	178,7	7,04	41	1,61	42	1,65					
25	2FFI1 GAS F2	FFI1 GAS M2	1" BSP	DIN 3852-2-X	99,8	3,93	107,5	4,23	55	2,17	186,3	7,33	50	1,97	50	1,97					
	2FFI1 NPT F2	FFI1 NPT M2	1" NPTF	ANSI B1.20.3	99,8	3,93	107,5	4,23	55	2,17	186,3	7,33	50	1,97	50	1,97					
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❖ ISO size GAS = BSP *On request