

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 brass
- Balls-bearing latching system



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	12	1740	60	8700	50	7250	50	7250	0,006
3/8"	06	10	9	0,35	68	18	115	25,3	12	1740	50	7250	50	7250	50	7250	0,008
1/2"	08	12.5	11	0,43	100	26,4	220	48,5	12	1740	50	7250	50	7250	50	7250	0,01
5/8"	10	16	14	0,55	150	39,7	205	45,1	12	1740	50	7250	50	7250	50	7250	0,02
3/4"	12	19	16	0,63	160	42,3	190	41,8	12	1740	50	7250	50	7250	50	7250	0,02
1"	16	25	18	0,71	210	55,5	200	44	12	1740	50	7250	50	7250	50	7250	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:

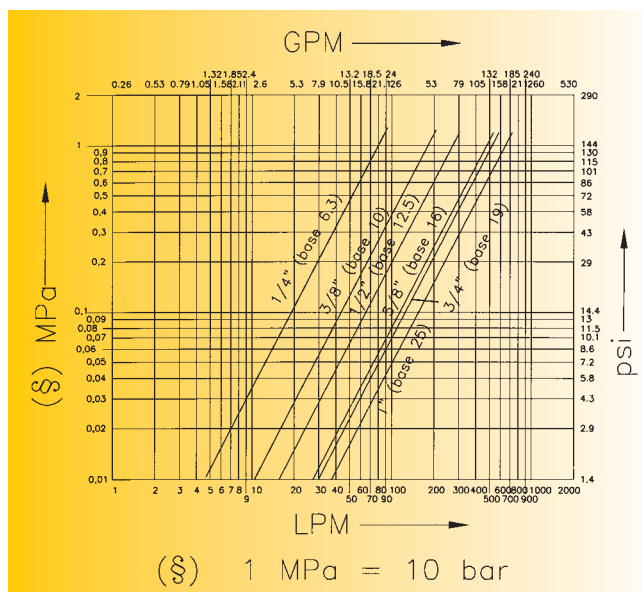
- Female in brass.
- Male in brass.
- Valves in brass.
- Springs in AISI 304 stainless steel.
- Balls in AISI 316 stainless steel.

Seals:

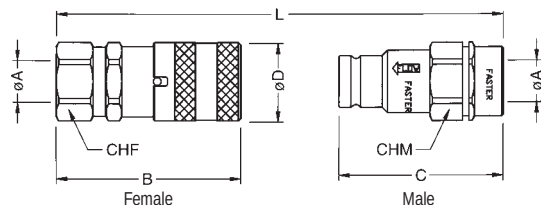
Standard in oilproof NBR (Nitrile Rubber) and Polyurethane.
On request: Viton, Neoprene, EPDM, Kalrez, other.

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 F5 *2FFI14 NPT F5	*FFI14 GAS M5 *FFI14 NPT M5	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 F5 *2FFN38-12 GAS F5 2FFN38 NPT F5 2FFN38-12 NPT F5	*FFN38 GAS M5 *FFN38-12 GAS M5 FFN38 NPT M5 U FFN38-12 NPT M5 U	3/8" BSP 1/2" BSP 3/8" NPTF 1/2" NPTF	DIN 3852-2-X DIN 3852-2-X ANSI B1.20.3 ANSI B1.20.3	73 74,6 73 75,6	2,87 2,94 2,87 2,98	62,7 66,7 62,7 66,7	2,47 2,63 2,47 2,63	30 30 30 30	1,18 1,18 1,18 1,18	119,7 125,3 119,7 126,3	4,71 4,93 4,71 4,97	27 27 27 27	1,06 1,06 1,06 1,06	27 27 27 27	1,06 1,06 1,06 1,06								
		*2FFI12 GAS F5 *2FFI12-34 GAS F5 *2FFI12 NPT F5 2FFI12-34 NPT F5	*FFI12 GAS M5 *FFI12-34 GAS M5 *FFI12 NPT M5 FFI12-34 NPT M5	1/2" BSP 3/4" BSP 1/2" NPTF 3/4" NPTF	DIN 3852-2-X DIN 3852-2-X ANSI B1.20.3 ANSI B1.20.3	82,4 86,4 82,4 86,4	3,24 3,40 3,24 3,40	78,5 83,5 78,5 83,5	3,09 3,29 3,09 3,29	38 38 38 38	1,50 1,50 1,50 1,50	143,4 152,4 143,4 152,4	5,65 6,00 5,65 6,00	32 32 32 32	1,26 1,26 1,26 1,26	32 32 32 32	1,26 1,34 1,26 1,34								
		*2FFI58 GAS F5 *2FFI58-34G F5 *2FFI58 NPT F5 *2FFI58-34N F5	*FFI58 GAS M5 *FFI58-34G M5 *FFI58 NPT M5 *FFI58-34N M5	5/8" BSP 3/4" BSP 5/8" NPTF 3/4" NPTF	DIN 3852-2-X DIN 3852-2-X ANSI B1.20.3 ANSI B1.20.3	92 92 92 92	3,62 3,62 3,62 3,62	85 85 85 85	3,35 3,35 3,35 3,35	42 42 42 42	1,65 1,65 1,65 1,65	161 161 161 161	6,34 6,34 6,34 6,34	38 38 38 38	1,50 1,50 1,50 1,50	38 38 38 38	1,50 1,50 1,50 1,50								
	19	*2FFI34 GAS F5 *2FFI34-1GAS F5 *2FFI34 NPT F5 *2FFI34-1N F5	*FFI34 GAS M5 *FFI34-1GAS M5 *FFI34 NPT M5 *FFI34-1N M5	3/4" BSP 1" BSP 3/4" NPTF 1" NPTF	DIN 3852-2-X DIN 3852-2-X ANSI B1.20.3 ANSI B1.20.3	100,3 100,3 100,3 100,3	3,95 3,95 3,95 3,95	99,4 99,4 99,4 99,4	3,91 3,91 3,91 3,91	48 48 48 48	1,89 1,89 1,89 1,89	178,7 178,7 178,7 178,7	7,04 7,04 7,04 7,04	41 41 41 41	1,61 1,61 1,61 1,61	42 42 42 42	1,65 1,65 1,65 1,65								
		*2FFI1 GAS F5 *2FFI1 NPT F5	*FFI1 GAS M5 *FFI1 NPT M5	1" BSP 1" NPTF	DIN 3852-2-X ANSI B1.20.3	99,8 99,8	3,93 3,93	107,5 107,5	4,23 4,23	55 55	2,17 2,17	186,3 186,3	7,33 7,33	50 50	1,97 1,97	50 50	1,97 1,97								

❖ ISO size GAS = BSP *On request