

Features

- **Connection system:** pulling back the sleeve
- **Disconnection system:** pulling back the sleeve
- **Shut-off system:** poppet valve
- **Connectability:** without pressure
- **Disconnection under pressure:** not allowed
- **Interchangeability:** US market
- Balls latching system
- Completely made of brass according to EN 12164 standard

Accessories and spare part kit

See at pages 28-30.

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	
1/4" 04	6	0.24	22	5.8	60	13.2	14	2030	60	8700	80	11600	55	7975	2
3/8" 06	8	0.31	65	17.2	58	12.8	15	2175	80	11600	90	13050	60	8700	3,5
1/2" 08	10	0.41	75	19.8	92	20.3	10	1450	45	6525	45	6525	40	5800	4
3/4" 12	15	0.59	170	50	110	24.2	9,5	1378	37	5365	37	5365	37	5365	14
1" 16	22	0.87	280	74	97	21.4	7,5	1088	30	4350	30	4350	30	4350	20
1 1/4" 20	28	1.10	450	119	110	24.2	5	725	20	2900	25	3625	25	3625	45
1 1/2" 24	34	1.34	450	119	150	33	5,5	798	22	3190	22	3190	22	3190	80
2" 32	47	1.85	1400	370	320	70.5	5,7	826	22	3190	22	3190	22	3190	150

* 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, male, valves and guidevalves in brass according to EN 12164 standards.
- Springs and balls in AISI 316.

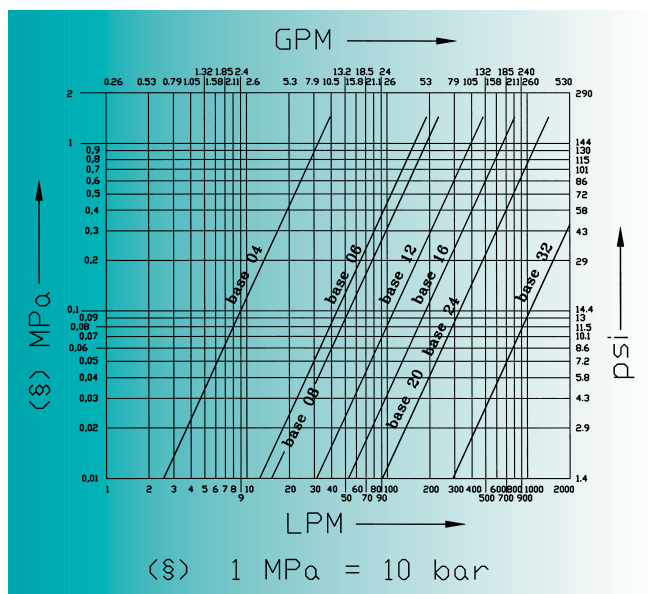
Seals:

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

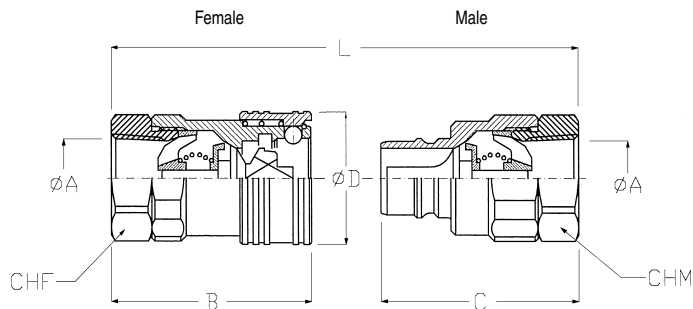
Working temperatures:

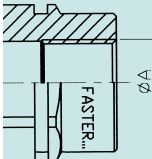
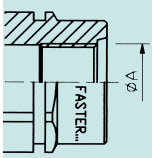
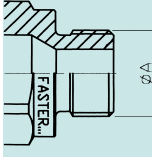
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.

Series TNV BRASS



Series TNV BRASS



Threaded end	❖	Threaded end	Female	Male	Thread Ø A	Standards	B		C		Ø D		L		CHF		CHM	
							mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.	mm	inc.
A 	04	A	* TNV 04 GAS F5 * TNV 04 NPT F5	* TNV 04 GAS M5 * TNV 04 NPT M5	1/4" BSP 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	49,8 49,8	1,96 1,96	49 49	1,93 1,93	24 24	0,94 0,94	84 84	3,31 3,31	22 22	0,87 0,87	22 22	0,87 0,87
		B	* TNV 04 0/14S F5	* TNV 04 0/14S M5	7/16" UNF	SAE J1926-1	49,8	1,96	49	1,93	24	0,94	84	3,31	22	0,87	22	0,87
		C	* TNV 04 1/14N F5 * TNV 04 1/14S F5	* TNV 04 1/14N M5 * TNV 04 1/14S M5	1/4" NPTF 7/16" UNF	ANSI B 1.20.3 SAE 1926-3	62,8 62,8	2,47 2,47	62 62	2,44 2,44	24 24	0,94 0,94	110 110	4,33 4,33	22 22	0,87 0,87	22 22	0,87 0,87
	06	A	* TNV 06 GAS F5 * TNV 04 NPT F5	* TNV 06 GAS M5 * TNV 04 NPT M5	3/8" BSP 3/8" NPTF	DIN 3852-2-X ANSI B 1.20.3	57 57	2,24 2,24	57 57	2,24 2,24	27 27	1,06 1,06	95,6 95,6	3,76 3,76	24 24	0,94 0,94	24 24	0,94 0,94
		B	* TNV 04 0/38S F5	* TNV 04 0/38S M5	9/16" UNF	SAE J1926-1	57	2,24	57	2,24	27	1,06	87,7	3,45	24	0,94	24	0,94
		C	* TNV 06 1/38N F5 * TNV 06 1/38S F5	* TNV 06 1/38N M5 * TNV 06 1/38S M5	3/8" NPTF 9/16" UNF	ANSI B 1.20.3 SAE 1926-3	71 71	2,80 2,80	71 71	2,80 2,80	27 27	1,06 1,06	123,6 123,6	4,87 4,87	24 24	0,94 0,94	24 24	0,94 0,94
	08	A	* TNV 08 GAS F5 * TNV 08 NPT F5	* TNV 08 GAS M5 * TNV 08 NPT M5	1/2" BSP 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	64,3 64,3	2,53 2,53	62,3 62,3	2,45 2,45	34 34	1,34 1,34	108,6 108,6	4,28 4,28	30 30	1,18 1,18	30 30	1,18 1,18
		B	* TNV 08 0/12S F5	* TNV 08 0/12S M5	3/4" UNF	SAE J1926-1	64,3	2,53	62,3	2,45	34	1,34	108,6	4,28	30	1,18	30	1,18
		C	* TNV 08 1/12N F5 * TNV 08 1/12S F5	* TNV 08 1/12N M5 * TNV 08 1/12S M5	1/2" NPTF 3/4" UNF	ANSI B 1.20.3 SAE 1926-3	75,5 75,5	2,97 2,97	73,5 73,5	2,89 2,89	34 34	1,34 1,34	131 131	5,16 5,16	30 30	1,18 1,18	30 30	1,18 1,18
B 	12	A	* TNV 12 GAS F5 * TNV 12 NPT F5	* TNV 12 GAS M5 * TNV 12 NPT M5	3/4" BSP 3/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	64 64	2,52 2,52	63,5 63,5	2,50 2,50	42 42	1,65 1,65	127,5 127,5	5,02 5,02	36 36	1,42 1,42	36 36	1,42 1,42
		B	* TNV 12 0/34S F5	* TNV 12 0/34S M5	1 1/16" UN	SAE J1926-1	64	2,52	63,5	2,50	42	1,65	127,5	5,02	36	1,42	36	1,42
		C	* TNV 12 1/34N F5 * TNV 12 1/34S F5	* TNV 12 1/34N M5 * TNV 12 1/34S M5	3/4" NPTF 1 1/16" UN	ANSI B 1.20.3 SAE 1926-3	86 86	3,39 3,39	85,5 85,5	3,37 3,37	42 42	1,65 1,65	171,5 171,5	6,75 6,75	36 36	1,42 1,42	36 36	1,42 1,42
	16	A	* TNV 16 GAS F5 * TNV 16 NPT F5	* TNV 16 GAS M5 * TNV 16 NPT M5	1" BSP 1" NPTF	DIN 3852-2-X ANSI B 1.20.3	70,5 70,5	2,78 2,78	68 68	2,68 2,68	50,5 50,5	1,99 1,99	115,5 115,5	4,55 4,55	48 48	1,89 1,89	48 48	1,89 1,89
		B	* TNV 16 0/1S F5	* TNV 16 0/1S M5	1 5/16" UN	SAE J1926-1	70,5	2,78	68	2,68	50,5	1,99	115,5	4,55	48	1,89	48	1,89
		C	* TNV 16 1/1N F5 * TNV 16 1/1S F5	* TNV 16 1/1N M5 * TNV 16 1/1S M5	1" NPTF 1 5/16" UN	ANSI B 1.20.3 SAE 1926-3	83,5 83,5	3,29 3,29	81 81	3,19 3,19	50,5 50,5	1,99 1,99	141,5 141,5	5,57 5,57	48 48	1,89 1,89	48 48	1,89 1,89
	20	A	* TNV 20 GAS F5 * TNV 20 NPT F5	* TNV 20 GAS M5 * TNV 20 NPT M5	1 1/4" BSP 1 1/4" NPTF	DIN 3852-2-X ANSI B 1.20.3	96,3 96,3	3,79 3,79	91 91	3,58 3,58	56 56	2,2 2,2	164 164	6,46 6,46	50 50	1,97 1,97	50 50	1,97 1,97
		B	* TNV 20 0/114S F5	* TNV 20 0/114S M5	1 5/8" UN	SAE J1926-1	96,3	3,79	91	3,58	56	2,2	164	6,46	50	1,97	50	1,97
		C	* TNV 20 1/114N F5 * TNV 20 1/114S F5	* TNV 20 1/114N M5 * TNV 20 1/114S M5	1 1/4" NPTF 1 5/8" UN	ANSI B 1.20.3 SAE 1926-3	109 109	4,29 4,29	104 104	4,09 4,09	56 56	2,2 2,2	190 190	7,48 7,48	50 50	1,97 1,97	50 50	1,97 1,97
C 	24	A	* TNV 24 GAS F5 * TNV 24 NPT F5	* TNV 24 GAS M5 * TNV 24 NPT M5	1 1/2" BSP 1 1/2" NPTF	DIN 3852-2-X ANSI B 1.20.3	90,5 90,5	3,56 3,56	85 85	3,35 3,35	70 70	2,76 2,76	148 148	5,83 5,83	65 65	2,56 2,56	65 65	2,56 2,56
		B	* TNV 24 0/112S F5	* TNV 24 0/112S M5	1 7/8" UN	SAE J1926-1	90,5	3,56	85	3,35	70	2,76	148	5,83	65	2,56	65	2,56
		C	* TNV 24 1/112N F5 * TNV 24 1/112S F5	* TNV 24 1/112N M5 * TNV 24 1/112S M5	1 1/2" NPTF 1 7/8" UN	ANSI B 1.20.3 SAE 1926-3	106 106	4,17 4,17	100 100	3,94 3,94	70 70	2,76 2,76	178 178	7,01 7,01	65 65	2,56 2,56	65 65	2,56 2,56
	32	A	* TNV 32 GAS F5 * TNV 32 NPT F5	* TNV 32 GAS M5 * TNV 32 NPT M5	2" BSP 2" NPTF	DIN 3852-2-X ANSI B 1.20.3	102 102	4,02 4,02	98 98	3,86 3,86	90 90	3,54 3,54	166 166	6,54 6,54	89 89	3,5 3,5	89 89	3,5 3,5
		B	* TNV 32 0/25S F5	* TNV 32 0/25S M5	2 1/2" UN	SAE J1926-1	102	4,02	98	3,86	90	3,54	166	6,54	89	3,5	89	3,5
		C	* TNV 32 1/2N F5 * TNV 32 1/2S F5	* TNV 32 1/2N M5 * TNV 32 1/2S M5	2" NPTF 2 1/2" UN	ANSI B 1.20.3 SAE 1926-3	117 117	4,61 4,61	113 113	4,45 4,45	90 90	3,54 3,54	196 196	7,72 7,72	89 89	3,5 3,5	89 89	3,5 3,5

❖ Size GAS = BSP *On request