

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:** according to ISO 7241-1 part A standard

- Balls latching system
- Guidevalve with mechanical backstop

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 cc max.
	mm	inc.	l/min	GPM	N	lb	MPa	PSI	Connected		Male		Female		
									MPa	PSI	MPa	PSI	MPa	PSI	
1/4" 04	4.5	0.18	9	2.4	45	10	40	5800	225	32625	165	23925	160	23200	0,5
3/8" 06	8	0.31	40	10.5	80	17.6	30	4350	150	21750	120	17400	120	17400	1,1
1/2" 08									See NV 1/2" series page 6						
3/4" 12	14	0.55	180	47.6	150	34	25	3625	100	14500	100	14500	100	14500	8
1" 16	17.5	0.69	270	71.4	180	39.6	23	3335	95	13775	95	13775	96	13920	13
1 1/4" 20	24	0.95	330	87.3	170	37.5	22	3190	102	14790	90	13050	92	13340	20
1 1/2" 24	29.5	1.16	450	119	255	56	20	2900	85	12325	80	11600	80	11600	32
2" 32	47	1.85	900	238	440	97	15	2175	70	10150	60	8700	62	8990	85

* 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 Cr III 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.

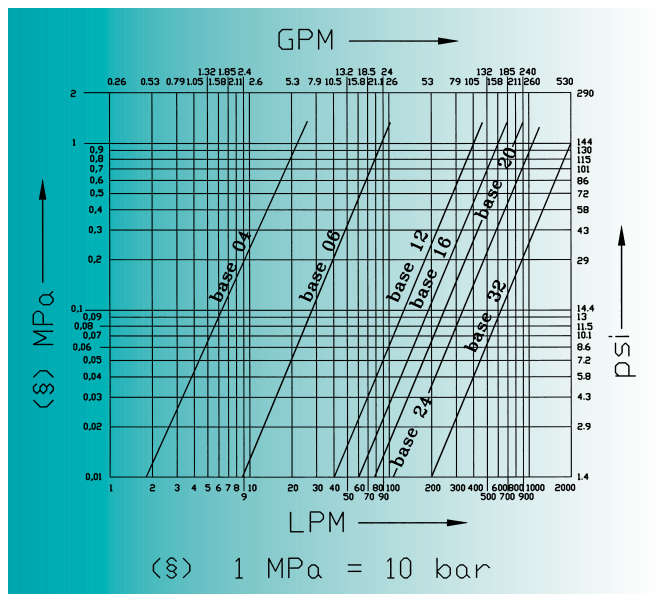
Antiextrusion rings:

In pure PTFE.

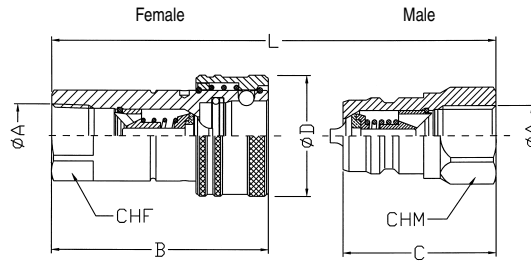
Working temperatures:

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 suitable seals.



Series **ANV**



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	ANV 14 GAS F	ANV 14 GAS M	1/4" BSP	DIN 3852-2-X	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75
			ANV 14 NPT F	ANV 14 NPT M	1/4" NPTF	ANSI B 1.20.3	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75
A	04	B	ANV 14 JPT F	ANV 14 JPT M	1/4" JPT	JIS B 0203	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75
			* ANV 1415 F	* ANV 1415 M	M14x1,5	DIN 3852-2-X	47,2	1,86	38,6	1,52	25	0,98	71,3	2,81	19	0,75	19	0,75
A	06	A	ANV 38 GAS F	ANV 38 GAS M	3/8" BSP	DIN 3852-2-X	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87
			ANV 38 NPT F	ANV 38 NPT M	3/8" NPTF	ANSI B 1.20.3	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87
A	06	B	ANV 38 JPT F	ANV 38 JPT M	3/8" JPT	JIS B 0203	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87
			ANV 1815 F	ANV 1815 M	M18x1,5	DIN 3852-2-X	57	2,24	39	1,54	32	1,26	78	3,07	22	0,87	22	0,87
	08		NV series 1/2" size	NV series 1/2" size					see page 7									
A	12	A	ANV 34 GAS F	ANV 34 GAS M	3/4" BSP	DIN 3852-2-X	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34
			ANV 34 NPT F	ANV 34 NPT M	3/4" NPTF	ANSI B 1.20.3	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34
A	12	B	ANV 34 JPT F	ANV 34 JPT M	3/4" JPT	JIS B 0203	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34
			* ANV 2415 F	* ANV 2415 M	M24x1,5	DIN 3852-2-X	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34
			ANV 34-34SAE F	ANV 34-34SAE M	1 1/16" UN	SAE J1926-1	82,5	3,25	55	2,17	48	1,89	110	4,33	34	1,34	34	1,34
A	16	A	ANV 1 GAS F	ANV 1 GAS M	1" BSP	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
			ANV 1 NPT F	ANV 1 NPT M	1" NPTF	ANSI B 1.20.3	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
A	16	B	ANV 1 JPT F	ANV 1 JPT M	1" JPT	JIS B 0203	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
			* ANV 302 F	* ANV 302 M	M30x2	DIN 3852-2-X	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
			ANV 1-1SAE F	ANV 1-1SAE M	1 5/16" UN	SAE J1926-1	100	3,94	66	2,60	56	2,2	132	5,2	41	1,61	41	1,61
A	20	A	ANV 114 GAS F	ANV 114 GAS M	1 1/4" BSP	DIN 3852-2-X	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97
			ANV 114 NPT F	ANV 114 NPT M	1 1/4" NPTF	ANSI B 1.20.3	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97
A	20	B	ANV 114 JPT F	ANV 114 JPT M	1 1/4" JPT	JIS B 0203	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97
			* ANV 114-114S F	* ANV 114-114S M	1 5/8" UN	SAE J1926-1	115	4,53	73	2,87	70	2,76	146	5,75	50	1,97	50	1,97
A	24	A	ANV 112 GAS F	ANV 112 GAS M	1 1/2" BSP	DIN 3852-2-X	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36
			ANV 112 NPT F	ANV 112 NPT M	1 1/2" NPTF	ANSI B 1.20.3	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36
A	24	B	ANV 112 JPT F	ANV 112 JPT M	1 1/2" JPT	JIS B 0203	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36
			* ANV 112-112S F	* ANV 112-112S M	1 7/8" UN	SAE J1926-1	133	5,22	83	3,27	84	3,31	166	6,54	60	2,36	60	2,36
A	32	A	* ANV 2 GAS F	* ANV 2 GAS M	2" BSP	DIN 3852-2-X	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95
			ANV 2 NPT F	ANV 2 NPT M	2" NPTF	ANSI B 1.20.3	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95
A	32	B	ANV 2 JPT F	ANV 2 JPT M	2" JPT	JIS B 0203	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95
			* ANV 2-2S F	* ANV 2-2S M	2 1/2" UN	SAE J1926-1	161	6,34	100	3,94	100	3,94	200	7,87	75	2,95	75	2,95

❖ Size GAS = BSP *On request