Series ANV

▶ 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.

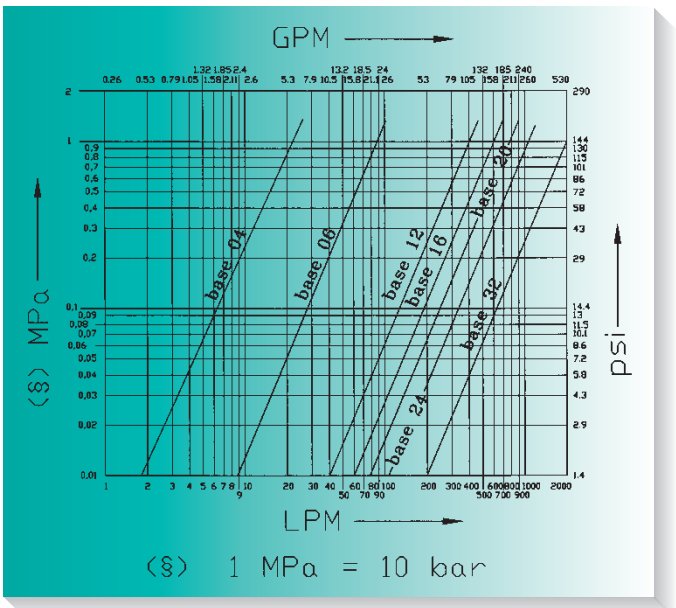
▶ Technical data

Size ❖		DN Nominal diameter		Rated flow		Force to connect		Max. work pressure *		Minimum burst pressure						Fluid spillage
										Connected		Male		Female		
		mm	inc.	l/min	GPM	N	lb	MPa	PSI	MPa	PSI	MPa	PSI	MPa	PSI	cc max.
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 ¼"	20	24	0.95	330	87.3	170	37.5	22	3190	102	14790	90	13050	92	13340	20
1 ½"	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

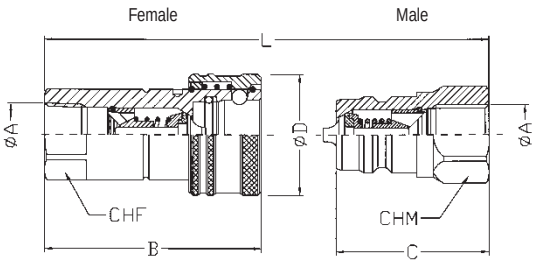
Pressure drop graph:
test bench to ISO 7241-2 specifications with ISO VG 32 oil at 40°C (104°F) temperature.
Materials:
- Female in steel with wear parts carbonitrited.
- Male in high grade carbon steel induction hardened.
- Steel hardened valve.
- Surface treatment: zinc plating and Cr III passivation.
- Springs in C98 steel.
- High resistance balls 100 C6.

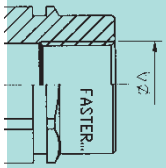
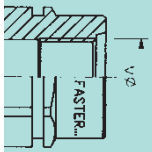
Seals:
Standard in oilproof NBR (Nitrile Rubber).
On request: Viton, Neoprene, EPDM or other seals.
Antiextrusion rings:
In pure PTFE.
Working temperatures:
with standard seals in NBR (Nitrile Rubber) from -25°C (-13°F) to +125°C (+257°F).
For temperature exceeding these values, the quick-release coupling will be supplied with all components in steel together with the suitable seals.



▶ Available items

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 NPT F ANV 14 JPT F * ANV 1415 F	ANV 14 GAS M ANV 14 NPT M ANV 14 JPT M * ANV 1415 M	1/4" BSP 1/4" NPTF 1/4" JPT M14x1,5	DIN 3852-2-X ANSI B 1.20.3 JIB B 0203 DIN 3852-2-X	47,2 47,2 47,2 47,2	1,86 1,86 1,86 1,86	38,6 38,6 38,6 38,6	1,52 1,52 1,52 1,52	25 25 25 25	0,98 0,98 0,98 0,98	71,3 71,3 71,3 71,3	2,81 2,81 2,81 2,81	19 19 19 19	0,75 0,75 0,75 0,75	19 19 19 19	0,75 0,75 0,75 0,75
		B	ANV 14-38S F ANV 0/1415 F	ANV 14-38S M ANV 0/1415 M	9/16" UNF M14x1,5	SAE J1926-1 ISO 6149-1	47,2 47,2	1,86 1,86	38,6 38,6	1,52 1,52	25 25	0,98 0,98	71,3 71,3	2,81 2,81	19 19	0,75 0,75	19 19	0,75 0,75
	06	A	ANV 38 GAS F ANV 38 NPT F ANV 38 JPT F ANV 1815 F	ANV 38 GAS M ANV 38 NPT M ANV 38 JPT M ANV 1815 M	3/8" BSP 3/8" NPTF 3/8" JPT M18x1,5	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203 DIN 3852-2-X	57 57 57 57	2,24 2,24 2,24 2,24	39 39 39 39	1,54 1,54 1,54 1,54	32 32 32 32	1,26 1,26 1,26 1,26	78 78 78 78	3,07 3,07 3,07 3,07	22 22 22 22	0,87 0,87 0,87 0,87	22 22 22 22	0,87 0,87 0,87 0,87
		B	ANV 38-38SAE F	ANV 38-38SAE M	9/16" UNF	SAE J1926-1	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									
	12	A	ANV 34 GAS F ANV 34 NPT F ANV 34 JPT F * ANV 2415 F	ANV 34 GAS M ANV 34 NPT M ANV 34 JPT M * ANV 2415 M	3/4" BSP 3/4" NPTF 3/4" JPT M24x1,5	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203 DIN 3852-2-X	82,5 82,5 82,5 82,5	3,25 3,25 3,25 3,25	55 55 55 55	2,17 2,17 2,17 2,17	48 48 48 48	1,89 1,89 1,89 1,89	110 110 110 110	4,33 4,33 4,33 4,33	34 34 34 34	1,34 1,34 1,34 1,34	34 34 34 34	1,34 1,34 1,34 1,34
		B	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
	16	A	ANV 1 GAS F ANV 1 NPT F ANV 1 JPT F * ANV 302 F	ANV 1 GAS M ANV 1 NPT M ANV 1 JPT M * ANV 302 M	1" BSP 1" NPTF 1" JPT M30x2	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203 DIN 3852-2-X	100 100 100 100	3,94 3,94 3,94 3,94	66 66 66 66	2,60 2,60 2,60 2,60	56 56 56 56	2,2 2,2 2,2 2,2	132 132 132 132	5,2 5,2 5,2 5,2	41 41 41 41	1,61 1,61 1,61 1,61	41 41 41 41	1,61 1,61 1,61 1,61
		B	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
B 	20	A	ANV 114 GAS F ANV 114 NPT F * ANV 114 JPT F	ANV 114 GAS M ANV 114 NPT M * ANV 114 JPT M	1 1/4" BSP 1 1/4" NPTF 1 1/4" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	115 115 115	4,53 4,53 4,53	73 73 73	2,87 2,87 2,87	70 70 70	2,76 2,76 2,76	146 146 146	5,75 5,75 5,75	50 50 50	1,97 1,97 1,97	50 50 50	1,97 1,97 1,97
		B	* 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
	24	A	ANV 112 GAS F * ANV 112 NPT F * ANV 112 JPT F	ANV 112 GAS M * ANV 112 NPT M * ANV 112 JPT M	1 1/2" BSP 1 1/2" NPTF 1 1/2" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	133 133 133	5,22 5,22 5,22	83 83 83	3,27 3,27 3,27	84 84 84	3,31 3,31 3,31	166 166 166	6,54 6,54 6,54	60 60 60	2,36 2,36 2,36	60 60 60	2,36 2,36 2,36
		B	* 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
	32	A	* ANV 2 GAS F ANV 2 NPT F * ANV 2 JPT F	* ANV 2 GAS M ANV 2 NPT M * ANV 2 JPT M	2" BSP 2" NPTF 2" JPT	DIN 3852-2-X ANSI B 1.20.3 JIS B 0203	161 161 161	6,34 6,34 6,34	100 100 100	3,94 3,94 3,94	100 100 100	3,94 3,94 3,94	200 200 200	7,87 7,87 7,87	75 75 75	2,95 2,95 2,95	75 75 75	2,95 2,95 2,95
		B	* 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