



Flüssiggas-Anlagen

»Group 12«

Excess Flow Valves

Back Pressure Check Valves

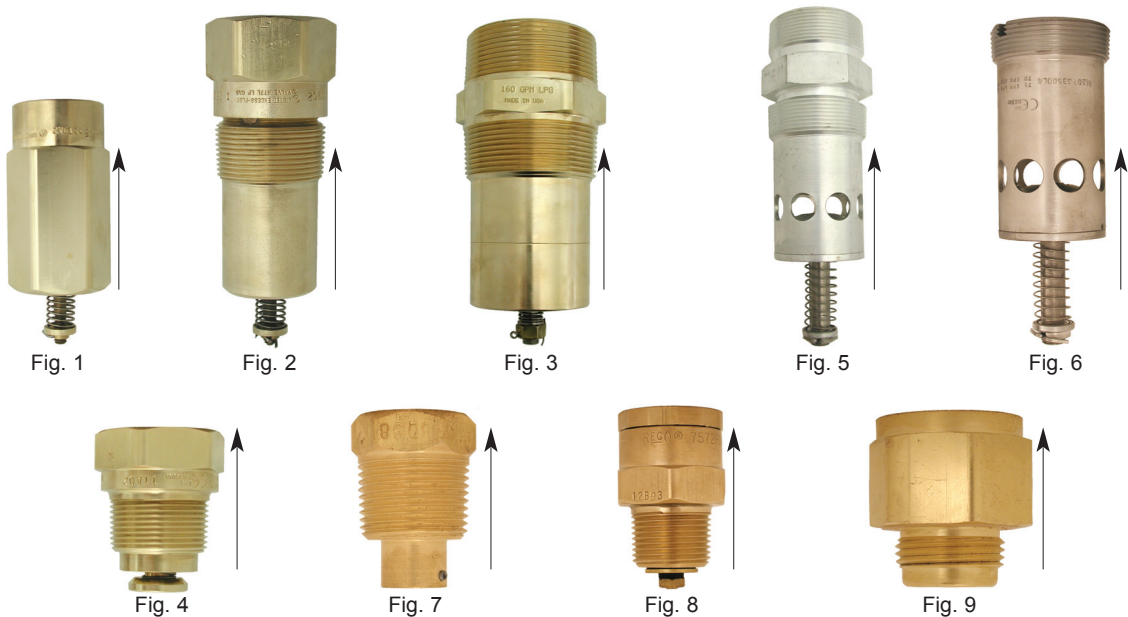


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Excess Flow Valve PN 25, with NPT-thread, with test report 2.2 to EN 10 204

Order No.	RegO	Connection		Apr. Closing Flow liquid l/min.	Apr. Closing Flow vapour Nm ³ /h		Weight (kg)	Fig.
		Inlet NPT	Outlet NPT		at 1,7 bar	at 7,0 bar		
12 001	1519 A2	1"	1"	95	140	250	1,54	1
12 002*	A1519 A2	1"	1"	95	140	250	2,50	1
12 003	1519 A3	1 1/2"	1 1/2"	225	325	570	1,54	1
12 004	1519 B4	2"	2"	510	784	1420	2,50	1
12 031	1519 A4	2"	2"	378	512	925	2,50	1
12 005*	A1519 B4	2"	2"	510	784	1420	2,50	1
12 006*	A1519 A6	3"	3"	850	1270	2350	5,27	1
12 007*	FAS	3"	3"	1190	1780	3290	5,50	1
12 008	1519 C2	1 1/2"male/1"fem.	1"female	95	140	250	1,10	2
12 009	-	3"male	3"male/2"fem.	985	1400	2385	4,50	3
12 010*	A2137 A	2"male/1 1/4"fem.	2"AG/1 1/4"fem.	265	396	707	1,60	3
12 011	2139 A	3"male/2"fem.	3"male/2"fem.	620	750	1300	4,50	3
12 032	12472	3/4"	3/4"	15	20	35	0,15	4
12 012	3272 E	3/4"	3/4"	30	40	75	0,18	4
12 041	3272 F	3/4"	3/4"	48	77	135	0,15	4
12 013	3272 G	3/4"	3/4"	76	105	195	0,18	4
12 014*	A3272 G	3/4"	3/4"	76	105	195	0,18	4
12 042	3282 A	1 1/4"	1 1/4"	110	145	270	0,36	4
12 015	3282 C	1 1/4"	1 1/4"	190	255	461	0,36	4
12 016*	A3282 C	1 1/4"	1 1/4"	190	255	461	0,40	4
12 017	7574	1 1/2"	1 1/2"	340	430	795	0,68	4
12 018	3292 B	2"	2"	378	512	925	1,04	4
12 019*	A3292 C	2"	2"	462	625	1064	1,27	4
12 046*	A3500 L4	2"	-	290	435	650	0,90	5
12 047*	A3500 N4	2"	-	480	650	1170	0,90	5
12 022*	A3500 P4	2"	-	568	863	1470	0,90	5
12 023*	A3500 R6	3"	-	568	908	1570	1,86	5
12 048*	A3500 T6	3"	-	770	1024	1850	1,86	5
12 024*	A3500 V6	3"	-	950	1446	2510	1,86	5
12 025*	A4500 Y8	4"	-	1890	2518	4360	3,31	5
12 028*	A8523	3/4"	3/4"	57	146	250	0,23	6
12 043*	A8525	1 1/4"	1 1/4"	134	290	525	0,60	6
12 044*	A7537 L4	2"male	2"male/1 1/4"fem.	284	432	735	0,60	6
12 029*	A7537 P4	2"male	2"male/1 1/4"fem.	568	863	1470	1,54	6
12 030*	A7539 V6	3"male	3"male/2"fem.	946	1446	2510	4,68	6
for pressure gauge								
12 038	2884 D	3/4"	1/4"	-	-	-	0,13	7
Chek-Lok								
12 033	7572 FC	3/4"	3/4"	75	-	-	0,23	8
12 034	7580 FC	1 1/4"	3/4"	132	-	-	0,50	8
Chek-Lok Adapter								
12 037	7572 C-14A	3/4"	3/4"	-	-	-	0,10	9



¹⁾The indicated vapour closing flows refer to the normal condition of 15°C and 762 torr. For evaluation of the definite gas volume flow within the pipeline with an indicated velocity of flow of valve of 1.7 bar and 7 bar the corresponding closing flows have to be divided by the factor 1.7, respectively 7. For other pressures you will receive the quantities by interpolation.

Excess Flow Valve PN 40, type FAS-F, for installation between 2 flanges, housing of stainless steel 1.4301, spring of stainless steel, with inspection certificate 3.1.B to EN 10 204

Type: **A** = normal type
Type: **B** = with stronger spring

Order No.	Connection size	Suitable for flanges	Closing Flow Propane l/min.	Dimensions			Weight (kg)
Type A				A	B	C	D
12 070	1"	DN 25	45	25	10	43	68
12 071	2"	DN 50	167	48	13	85	92
12 072	2 1/2"	DN 65	224	60	13	94	105
12 073	3"	DN 80	378	76	13	96	127
12 075	4"	DN 100	791	97	16	118	157
12 076	5"	DN 125	1257	121	16	151	186
12 077	6"	DN 150	1764	142	19,6	183	216
12 078	8"	DN 200	2388	190	20	211	270
12 079	10"	DN 250	4035	245	22,5	285	323

Order No.	Connection size	Suitable for flanges	Closing Flow Propane l/min.	Dimensions			Weight (kg)
Type B				A	B	C	D
12 081	2"	DN 50	208	48	13	85	92
12 082	2 1/2"	DN 65	435	60	13	94	105
12 083	3"	DN 80	606	76	13	96	127
12 085	4"	DN 100	1287	97	16	118	157
12 086	5"	DN 125	1567	121	16	151	186
12 087	6"	DN 150	2911	142	19,6	183	216
12 088	8"	DN 200	3217	190	20	211	270
12 089	10"	DN 250	6185	245	22,5	285	323



The minimum flow rate should be twice as high as the maximum pumping capacity!
Other flow rates on request. The above specifications and designs are subject to technical alterations.

Back Pressure Check Valve PN 25, with NPT-male thread, spring-loaded, metal to metal seat, for installation in any position, with test report 2.2 to EN 10 204

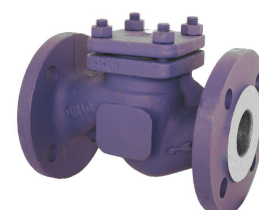
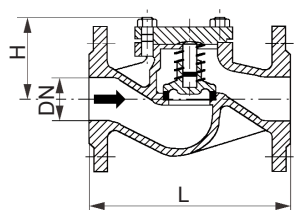
Order No.	RegO	Connection NPT	Capacity l/min. at ³ p 0,7 bar	Material	Weight (kg)	Fig.
12 501	3146	3/4"	60	brass	0,18	1
12 502*	A3146	3/4"	60	steel	0,23	1
12 503	3176	1 1/4"	150	brass	0,36	1
12 504*	A3176	1 1/4"	150	steel	0,40	1
12 505	6586 C ²⁾	2"	1020	brass	0,90	2
12 506*	A3186	2"	662	steel	1,27	1
12 507*	A3196	3"	1600	steel	2,81	1
12 508*	A6586 C ²⁾	2"	1020	steel	1,02	2
12 509*	A3400 L4	2"	1200	steel	1,00	3
12 510*	A3400 L6	3"	2300	steel	1,90	3



²⁾ with metal swing-away check

Back Pressure Check Valve PN 40, with flange connection to DIN 2635, housing of cast steel GS-C25, disc of stainless steel, with specification stamp to AD requirements, with inspection certificate 3.1.B to EN 10 204

Order No.	Connection DN	L	H	Weight (kg)
12 511	15	130	66	3,6
12 512	20	150	75	4,5
12 513	25	160	80	5,5
12 514	32	180	88	8,0
12 515	40	200	105	11,5
12 516	50	230	115	14,0
12 517	65	290	135	23,0
12 518	80	310	145	30,0
12 519	100	350	175	47,0
12 520	125	400	215	70,0
12 521	150	480	240	96,0



Other sizes are available on request.

Back Pressure Check Valve PN 40, for installation between 2 flanges, with soft seal

Type: **A** = housing material 1.4317, soft seal made of viton, for propane / butane, with inspection certificate 3.1.B to EN 10 204
Type: **B** = housing material 1.4317, soft seal made of viton, for propane / butane, with type approval
Type: **C** = housing material 1.4552, with PTFE-special seal for DME, refrigerant and NH₃, with type approval

Order No.	Order No.	Order No.	Connection DN	Length L	Weight (kg)
Type A	Type B	Type C			
12 531	12 541	12 561	15	16	0,12
12 532	12 542	12 562	20	19	0,18
12 533	12 543	12 563	25	22	0,29
12 534	12 544	12 564	32	28	0,50
12 535	12 545	12 565	40	32	0,66
12 536	12 546	12 566	50	40	1,23
12 537	12 547	12 567	65	46	1,55
12 538	12 548	12 568	80	50	2,35
12 539	12 549	12 569	100	60	3,63



Other sizes are available on request.