



**Description**

Straight-through **bellows-sealed** stop valve with flanges to EN 1092. The valve is designed for shutting off and throttling neutral gases, vapours and liquids in all sectors of industry.

**Material**

Type	DN	PN	EN	ASTM*)
GAV 54F	15 – 300	16	GJL-250	A48-40B
GAV 24F	15 – 300	16	GJS-400-18-LT	A536-60-40-18
GAV 25F	15 – 150	25	GJS-400-18-LT	A536-60-40-18
GAV 36F	15 – 40	40	P250GH	A216WCB
GAV 36F	50 – 300	40	GP240GH+N	A216WCB
GAV 46AF	15 – 200	40	1.4408	A351CF8M

\*) Observe different physical and chemical properties to DIN material.

**Specification**

Type	PN	Material	Temperature p / T (barg / °C)						
			20	200	250	300	350	400	450
GAV 54F	16	GJL-250	16.0	12.8	11.2	9.6	–	–	–
GAV 24F	16	GJS-400-18-LT	16.0	14.7	13.9	12.8	11.2	–	–
GAV 25F	25	GJS-400-18-LT	25.0	23.0	21.8	20.0	17.5	–	–
GAV 36F DN 250/300	40	GP240GH+N	40.0	22.0	21.0	19.0	18.0	17.0	13.0
GAV 36F	40	P250GH/GP240GH+N	40.0	33.3	30.4	27.6	25.7	23.8	13.1
GAV 46AF	40	1.4408	40.0	33.7	31.8	29.7	28.5	27.4	–

\*) Observe different physical and chemical properties to DIN material.

**Dimensions [mm]**

PN 16–40 flanged ends	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
<b>Overall length</b>	<b>L<sub>1</sub></b>	130	150	160	180	200	230	290	310	350	400	480	600	730	850
GAV 54F	H <sub>1</sub>	175	178	184	205	210	235	246	282	304	390	408	570	606	660
GAV 24F, GAV 25F	H <sub>1</sub>	211	214	220	238	243	266	290	324	348	460	479	570	606	660
GAV 36F	H <sub>1</sub>	140	165	165	190	200	220	270	305	345	395	430	500	705	785
GAV 46AF	H <sub>1</sub>	191	191	197	200	218	230	250	270	340	360	390	450	–	–

**Weights [kg]**

PN 16–40 flanged ends	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
GAV 54F		3.1	4	4.7	7.3	7.7	10.2	17	22	32	54	70.5	130	230	328
GAV 24F		3.1	4.1	4.7	8.1	8.5	11	17	21	31	51	68.5	139	239	343
GAV 25F		3.1	4.1	4.7	8.2	8.5	11	17	28.9	400	65	89	–	–	–
GAV 36F		3.8	4.6	5.2	9.4	10.6	13.6	22	33	46	67	98	175	300	430
GAV 46AF		4	4.7	6.3	7.9	10	14	24	28	42	62	102	166	–	–

If the following differential pressures are exceeded in valves with standard plug, a pressure balance plug is required.

**Pressure balance plug**

	DN	65	80	100	125	150	200	250	300
GAV 54F, GAV 24F	Δp bar	–	–	–	–	–	12	9	6
GAV 25F	Δp bar	–	–	–	–	21	12	9	6
GAV 36F, GAV 46AF	Δp bar	–	–	–	33	21	14	9	6

**K<sub>vs</sub> Values [m<sup>3</sup>/h]** of valves with throttling plug

	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
GAV 54F, GAV 24F, GAV 25F	PN 16, 25	4.8	8.3	11.9	19.9	27.1	43	75	117	172.3	171	204	457	714	1028
GAV 36F	PN 40	2.9	4.9	7.8	15	25	39	61	78	105	130	210	350	570	860
GAV 46AF	PN 40	7	9	13	21	27	34	60	85	112	212	305	435	–	–



**Description**

Straight-through **stuffing-box sealed** stop valve with flanges to EN 1092 or butt-weld ends (BW) to EN 12627. The valve is designed for shutting off and throttling neutral gases, vapours and liquids in all sectors of industry.

**Material**

Type	DN	PN	EN	ASTM*)
GAV 36	15 – 40	40	P250GH	A105
GAV 36	50 – 150	40	GP240GH+N	A216WCB
GAV 126	50 – 200	63	GP240GH+N	A216WCB
GAV 130	50 – 200	100	GP240GH+N	A216WCB
GAV 136	15 – 25	160	P250GH	A105
GAV 136	32 – 200	160	GP240GH+N	A216WCB
GAV 136SE	15 – 50	160	16MO3	A182F1
GAV 136SE	65 – 200	160	GP240GH+N	A216WCB
<b>Up to 550 °C</b>				
GAV 126	50 – 200	63	G17CrMo5-5	A217WC6
GAV 130	50 – 200	100	G17CrMo5-5	A217WC6
GAV 136	15 – 25	160	13CrMo4-5	A182F11
GAV 136	50 – 200	160	G17CrMo5-5	A217WC6
GAV 136SE	15 – 50	160	13CrMo4-5	A182F11
GAV 136SE	65 – 200	160	G17CrMo5-5	A217WC6

\*) ASTM nearest equivalent is stated for guidance only. Physical and chemical properties comply with EN.

**Specification**

Type	PN	Material	Service pressure p / Inlet temperature T (barg/°C)						
			20	300	400	450	500	530	550
GAV 36	40	P250GH/GP240GH+N	40.0	27.6	29.8	19.1	–	–	–
GAV 126	63	GP240GH+N	63	44	38	21	–	–	–
GAV 130	100	GP240GH+N	100	69	60	33	–	–	–
GAV 136, GAV 136SE	160	P250GH / GP240GH+N	160	110	95	53	–	–	–
GAV 136SE	160	16MO3	160	137	120	110	71	36	–
GAV 126	63	G17Cro5-5	63	63	57	53	41	23	15
GAV 130	100	G17Cro5-5	100	100	90	84	65	37	23
GAV 136, GAV 136SE	160	13CrMo4-5 / G17Cro5-5	160	160	144	135	104	59	37

**Dimensions [mm]**

PN 25–40 flanged ends	DN	15	20	25	32	40	50	65	80	100	125	150	200
Overall length	L <sub>1</sub>	130	150	160	180	200	230	290	310	350	400	480	–
GAV 35, GAV 36	H <sub>1</sub>	220	230	230	280	285	300	348	405	457	515	540	–
PN 63–160 flanged ends	DN	15	20	25	32	40	50	65	80	100	125	150	200
Overall length	L <sub>1</sub>	210	230	230	260	260	300	340	380	430	500	550	650
GAV 126, GAV 130, GAV 136	H <sub>1</sub>	230	230	230	310	310	315	415	500	550	620	625	855
PN 63 –160 butt-weld ends	DN	15	20	25	32	40	50	65	80	100	125	150	200
Overall length	L <sub>1</sub>	150	150	160	180	210	250	420	460	510	600	650	750
GAV 136SE	H <sub>1</sub>	230	230	230	310	310	315	415	500	550	620	625	855

**Weights [kg]**

PN 25 –40 flanged ends	DN	15	20	25	32	40	50	65	80	100	125	150	200
GAV 36		4.3	5.5	6.2	9.6	10.5	13.5	21.3	33.3	46	68	95	175
GAV 126		–	–	–	–	–	25	40	55	85	125	150	260
GAV 130		–	–	–	–	–	26	45	58	88	135	170	285
GAV 136		9.5	11	12.5	16.5	20.5	26	45	60	90	135	175	320
PN 63 –160 butt-weld ends	DN	15	20	25	32	40	50	65	80	100	125	150	200
GAV 136SE		6.5	7.5	8.5	11	13.5	17	30	45	72	110	165	215

If the following differential pressures are exceeded in valves with standard plug, a pressure balance plug is required.

**Pressure balance plug**

	DN	65	80	100	125	150	200
GAV 36		–	–	–	33	21	–
GAV 126, GAV 130, GAV 136, GAV 136SE	Δp bar	110	70	44	33	21	14

**K<sub>vs</sub> Values [m<sup>3</sup>/h]**

	DN	15	20	25	32	40	50	65	80	100	125	150	200
GAV 36	PN 40	3.4	5.6	8.5	18	28	44	65	95	150	220	280	–
GAV 126, GAV 130, GAV 136	PN 63, 100, 160	2.7	4	5	16	17	26	50	80	125	200	280	580