

Type 241 - 242.

Material listings:

Description	241-G / 242-G Valve with cast iron body	241-C / 242-C Valve with carbon steel body	241-I Valve with stainless steel body
1 Valve body	Cast iron G250	Carbon steel ASTM A216 WCB - EN 1.0619	Stainless steel ASTM A351 CF8M - EN 1.4408
2 Seat	Stainless steel ASTM 316 - EN 1.4401	Stainless steel ASTM 316 - EN 1.4401	Stainless steel ASTM 316 - EN 1.4401
3 Disc	Stainless steel ASTM 420 - EN 1.4028	Stainless steel ASTM 420 - EN 1.4028	Stainless steel ASTM 316 - EN 1.4028
4 Ball	Stainless steel ASTM 420 - EN 1.4028	Stainless steel ASTM 420 - EN 1.4028	Stainless steel ASTM 316 - EN 1.4401
5 Guide	Cast iron GS450/10 with Bush ASTM 430 F Tenifer	Cast iron GS450/10 with Bush in ASTM 430F Tenifer or Stainless steel ASTM 316 - EN 1.4401	Stainless steel ASTM 316 - EN 1.4401
6 Spring plate	AVP steel	AVP steel	Stainless steel ASTM 316 - EN 1.4401
7 Spindle	Stainless steel ASTM 430F - EN 1.4104	Stainless steel ASTM 430F - EN 1.4104	Stainless steel ASTM 316 - EN 1.4401
8 Spring	Carbon steel Alloy steel	Carbon steel Alloy steel	Stainless steel ASTM 316 S42
9 Pressure adjusting screw	Brass OT58/AVP steel	Brass OT58/AVP steel	Stainless steel with Bush ASTM 316 EN 1.4401 IN PTFE
10 Bonnet	Cast iron GS450/10	Cast iron GS450/10 or Carbon steel ASTM A216 WCB - EN 1.0619	Stainless steel ASTM A351 CF8M - EN 1.4408
11 Tight cap H4 with lifting lever	Cast iron GS450/10	Cast iron GS450/10	Stainless steel ASTM A351 CF8M - EN 1.4408

Dimensions defining valve performance:

DN I Inlet	Actual orifice diameter	Actual discharge area	DN O Outlet	Disc lift	Max set pressure	
	mm	cm ²			Cast iron barg	Steel
20-3/4	18	2.54	40-1 1/2	5.5	25	40
25-1"	23	4.15	40-1 1/2	6.9	25	40
32-1 1/4	29	6.61	50-2"	7.5	25	40
40-1 1/2	37	70.75	65-2 1/2	10.2	25	40
50-2"	46	16.62	80-3"	13.5	25	40
65-2 1/2	60	28.27	100-4"	17.0	25	40
80-3"	74	43.00	125-5"	21.5	25	40
100-4"	92	66.48	150-6"	27.6	25	40
125-5"	98	75.43	200-8"	29.4	25	30
150-6"	125	122.72	250-10"	37.5	25	30
200-8"	165	213.82	350-14"	48	/	30
250-10"	200	314.16	400-16"	58	/	20

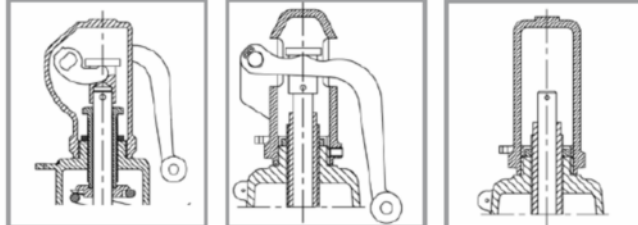
Centre to face dimensions:

DN I	241-G / 242-G		241-C / 242-C / 241-I		A	B	A	B	H
	EN FLANGE PN16/PN16 PN25/PN16	ANSI/ASME FLANGE CL150/CL150	EN FLANGE PN16/PN16 PN25/PN16 PN40/PN16	ANSI/ASME FLANGE CL150/CL150 CL300/CL150					
20	95	85	94.5	79.7	95	85	94.5	82.9	215
25	100	107	99.5	103.3	100	105	99.5	104.5	265
32	110	115	109	110.9	110	115	109	116	330
40	115	142	117.2	139.5	117	140	117.2	142.6	375
50	120	152	121.3	149.0	120	150	121.3	151.2	420
65	140	170	139.8	168.2	136	172	139.8	175.4	525
80	160	195	157.8	172.8	173	197	157.8	201.6	600
100	180	222	179.4	217.8	188	220	179.4	227.7	655
125	204	250	202.6	243.8	198	246	202.6	254.9	655
150	225	294	223.2	265.4	216	288	223.2	296.5	780
200					345	350	349.9	357.3	1161
250					454	450	459.5	459.6	1161

approximate dimensions to be confirmed at order

Caps:

Tight Cap H4 with packed lifting lever. Open Cap H3 with plain lifting lever. Tight Cap H2 without lifting lever.



Valves can be manufactured with materials different than those in this table upon request and after Besa Technical Dept. approval.

Note:

Valves can be manufactured from other materials on request. Please contact our sales team for more information.

