

Type K61

DN 15 – 300
PN 16 – 40

Globe Valve

Butt-Welded, Flanged

Data Sheet

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© MPOWER Engineering, a.s.
Pod vinicí 2028/20, Modřany, 143 00 Praha 4, CZ
T: +420 225 371 300, F: +420 225 371 325
E: info@mpowergroup.eu, W: www.mpowergroup.eu

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Contact

MPOWER Engineering, a.s.
Pod viničí 2028 / 20
143 00 Praha 4 – Modřany, CZ

T: +420 225 371 300
F: + 420 225 371 325
E: info@mpowergroup.eu
W: www.mpowergroup.eu



Application

- Designed for closing or throttling the liquid and gaseous medium
- **Fluids**
Water, steam, air, crude petroleum and petroleum products, natural gas, gas condensate, technological solutions, oxygen, liquid and non-aggressive gases
- **Industry**
Power engineering, chemical and petrochemical industry

Technical description

- Stem is rotating, rising
- Valve opening is provided slowly, with gradual suspension of the stroke, to prevent hydraulic and thermal shocks in the valve
- Shutt-off valves can be operated in position open-close, throttling valve can be operated also in an intermediate position

Installation

- The valves may be installed in any position, direction of the flow is under the plug

Testing

- The valves are pressure tested with water for strength and tightness in accordance with working parameters and material of body according to EN-12266
- The minimum pressure for the strength testing is 1,5 x PN

Operation

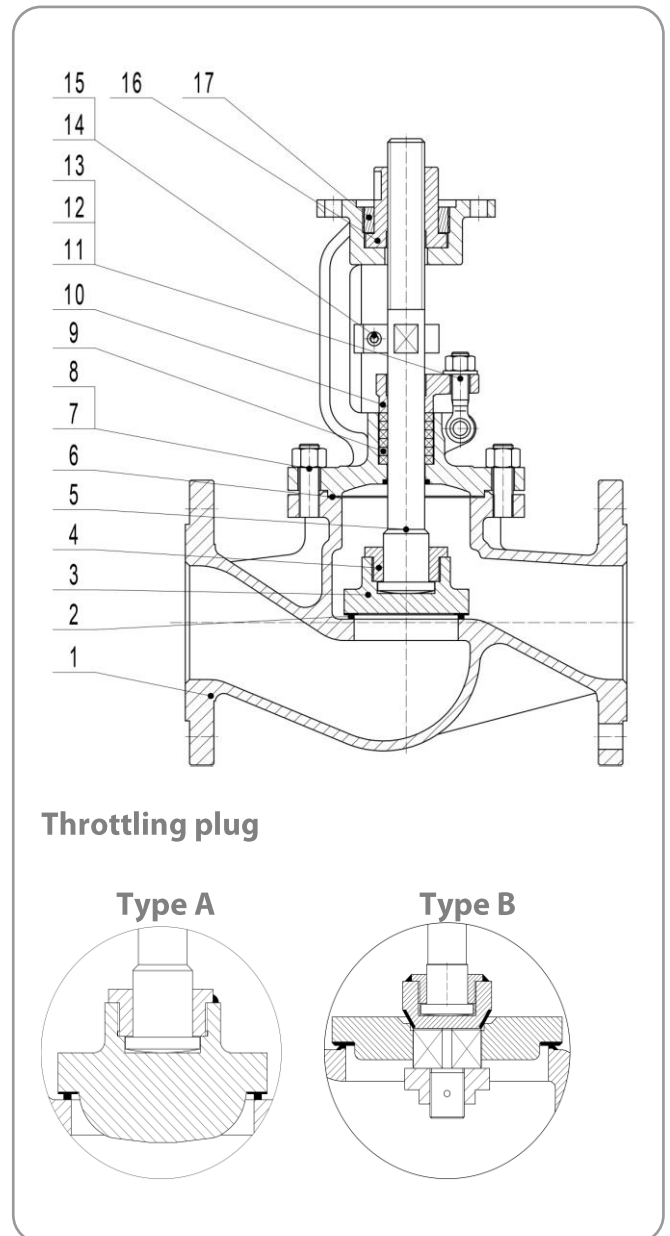
- Hand wheel (with locking device, if required)
- Electric actuator
- Gear box
- Flange ISO 5210 (ready for actuator)

Connection

- Butt-welded according to EN-12627, flanged according to EN1092-1 or to customer request
- Face to face dimensions according to EN-558-1

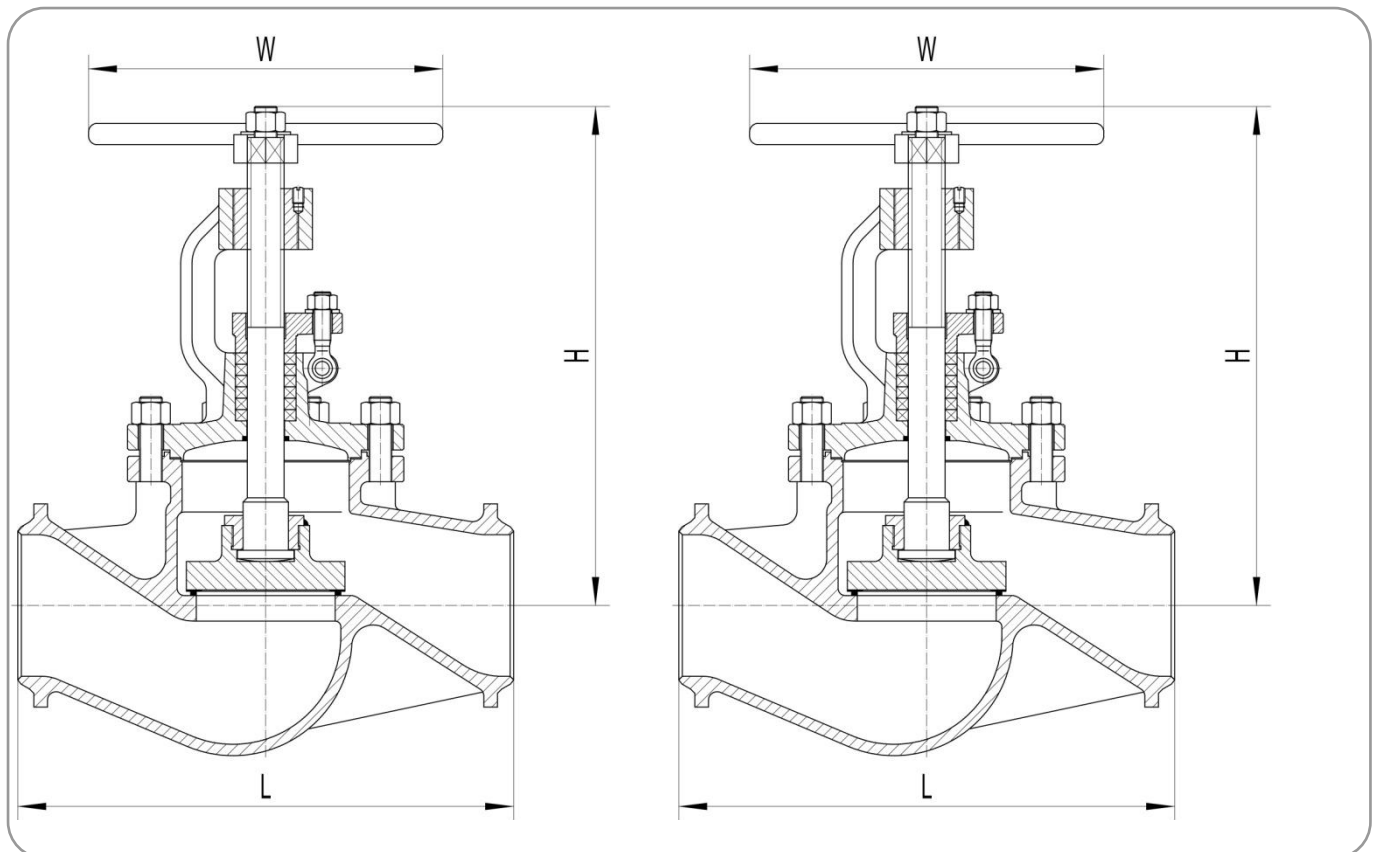
Materials of main parts

Pos..	Name	Material				
1	Body	1.0619 (A216 WCB)	A352 LC1	1.7357 (A217 WC6)	1.4408 (A351 CF8M)	1.7390 (A217 WC9)
2	Seat	13Cr/Stellite	13Cr/Stellite	13Cr/Stellite	18Cr/Stellite	Stellite
3	Disc	X20Cr13/A105+13Cr	X20Cr13/A105+13Cr	X20Cr13/F11+13Cr	A182 F316	F11+Stellite
4	Disc screw	C.S	C.S	C.S	SS316	SS316
5	Stem	X20Cr13+QT	X20Cr13+QT	X20Cr13+QT	A182 F316	25CrMoV



Pos..	Name	Material				
6	Gasket	Graphite + stainless steel 304	Graphite + stainless steel 304	Graphite + stainless steel 304	Graphite + stainless steel 316	Graphite + stainless steel 304
7	Blot	A193 B7	A193 L7	A193 B16	A193 B8M	A193 B16
8	Nut	A194 2H	A194 7	A194 4	A194 8M	A194 4
9	Pakcing	Graphite	Graphite	Graphite	Graphite	Graphite
10	Gland	1.0619 (A216 WCB)	A352 LC1	1.7357 (A217 WC6)	1.4408 (A351 CF8M)	1.7390 (A217 WC9)
11	Pin	C.S	C.S	C.S	C.S	C.S
12	Eyelet Bolt	A193 B7	A193 L7	A193 B16	A193 B8M	A193 B16
13	Nut	A194 2H	A194 7	A194 4	A194 8M	A194 4
14	No rot.Device	A105	A105	A105	F304	A105
15	Nut	A194 2H	A194 2H	A194 2H	A194 2H	A194 2H
16	Stem nut	GGG40.3	GGG40.3	GGG40.3	GGG40.3	Cu alloy
17	Lock screw	C.S	C.S	C.S	S.S	A194 2H

Dimensions



DN	PN	L mm	H mm	H1 mm	W mm	ISO 5210	Torque Nm	Weight kg	
								FL	
15	16	130	176	186	140	F7	9	3,8	2,2
20		150	185	189	140	F7	13	4,5	2,7
25		160	205	207	160	F10	16	5,5	3,3
32		180	215	207	160	F10	18	7,1	3,5
40		200	235	241	180	F10	25	9,5	5,4
50		230	260	244	180	F10	30	11,5	6,8
65		290	290	278	200	F10	56	19,6	13,4
80		310	315	300	250	F10	74	25,2	19,2
100		350	355	359	300	F14	120	33,9	27,2
125		400	420	417	350	F14	179	53,1	45,0
150		480	475	467	400	F14	285	76,5	67,5
200		600	545	584	500	F16	432	153,5	105,5
250		730	670	684	500	F25	484	307,5	228,0
300		850	715	753	500	F25	623	415,0	316,0
350		980	830	833	500	F30	913	620,0	415,0
400		1100	910	908	500	F30	1243	750,0	595,0
15	25	130	176	186	140	F7	9	3,8	2,2
20		150	185	189	140	F7	13	4,5	2,7
25		160	205	207	160	F10	17	5,5	3,3
32		180	215	207	160	F10	21	7,1	3,5
40		200	235	241	180	F10	31	9,5	5,4
50		230	260	244	180	F10	38	12	6,8
65		290	290	278	200	F10	68	20,2	14,2
80		310	315	300	250	F10	94	27,2	19,8
100		350	355	359	300	F14	163	28,2	29,5
125		400	420	417	350	F14	247	59,5	47,5
150		480	475	467	400	F14	375	86,5	69,5
200		600	545	584	500	F16	484	159,5	110,5
250		730	670	684	500	F25	679	310	235
300		850	715	753	500	F25	912	438	330
350		980	830	833	600	F30	1309	640	430
400		1100	910	908	600	F30	1830	835	610
15	40	130	176	186	140	F7	11	3,8	2,2
20		150	185	189	140	F7	14	4,5	2,7
25		160	205	207	160	F10	18	5,5	3,3
32		180	215	207	160	F10	23	7,1	3,5
40		200	235	241	180	F10	34	9,5	5,4
50		230	260	244	180	F10	44	12	6,8
65		290	290	278	200	F10	82	20,2	14,2
80		310	315	300	250	F10	119	27,2	19,8
100		350	355	359	300	F14	195	28,2	29,5
125		400	420	417	350	F14	312	59,5	47,5
150		480	475	467	400	F14	474	86,5	69,5
200		600	545	584	500	F16	655	163,4	118,5
250		730	670	684	500	F25	990	323	245
300		850	715	753	500	F25	1365	453	355
350		980	830	833	600	F30	1957	680	460
400		1100	910	908	600	F30	2733	850	630

Operating data

Material	PN	Working pressure MPa / Working temperature °C												
		100	150	200	250	300	350	400	425	450	500	525	550	595
1.0619 (WCB)	16	1,46	1,43	1,38	1,32	1,22	1,17	1,09	0,91	-	-	-	-	-
	25	2,29	2,23	2,16	2,06	1,91	1,82	1,7	1,42	-	-	-	-	-
	40	3,66	3,57	3,46	3,29	3,06	2,92	2,72	2,27	-	-	-	-	-
LC1	16	1,47	1,42	1,4	1,36	1,33	1,27	1,15	-	-	-	-	-	-
	25	1,84	1,77	1,74	1,7	1,66	1,59	1,44	-	-	-	-	-	-
	40	3,68	3,55	3,49	3,4	3,32	3,18	2,89	-	-	-	-	-	-
1.7335 (WC6)	16	1,63	1,57	1,51	1,46	1,35	1,27	1,15	1,11	1,07	0,8	0,57	0,4	0,19
	25	2,54	2,45	2,37	2,28	2,11	1,98	1,8	1,73	1,67	1,24	0,9	0,63	0,31
	40	4,06	3,93	3,79	3,64	3,38	3,18	2,89	2,77	2,67	1,99	1,43	1,0	0,49
1.4408 (CF8M)	16	1,33	1,22	1,13	1,05	1,0	0,96	0,93	0,92	0,91	0,86	0,8	0,76	0,64
	25	2,08	1,9	1,76	1,65	1,56	1,5	1,45	1,44	1,42	1,35	1,25	1,12	0,99
	40	3,33	3,04	2,82	2,63	2,5	2,4	2,36	2,32	2,3	2,28	2,16	2,0	1,59
1.7390 (A217 WC9)	16	1,63	1,58	1,54	1,46	1,35	1,27	1,15	1,11	1,07	0,88	0,68	0,49	0,27
	25	2,54	2,48	2,41	2,29	2,11	1,98	1,8	1,73	1,67	1,37	1,07	0,76	0,38
	40	4,07	3,96	3,85	3,66	3,38	3,18	2,89	2,77	2,67	2,19	1,71	1,21	0,61
1.7386 (A217 C12A)	16	1,63	1,58	1,54	1,46	1,35	1,27	1,15	1,11	1,07	0,89	0,81	0,79	0,65
	25	2,54	2,48	2,41	2,29	2,11	1,98	1,8	1,73	1,67	1,39	1,27	1,23	0,99
	40	4,07	3,96	3,85	3,66	3,38	3,18	2,89	2,77	2,67	2,23	2,04	1,97	1,57