Type VC62
DN 15 – 50
PN16-PN160

Forged Globe Valve

Butt-Welded, Flanged

Data Sheet

Edition: EN 9 / 2014

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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

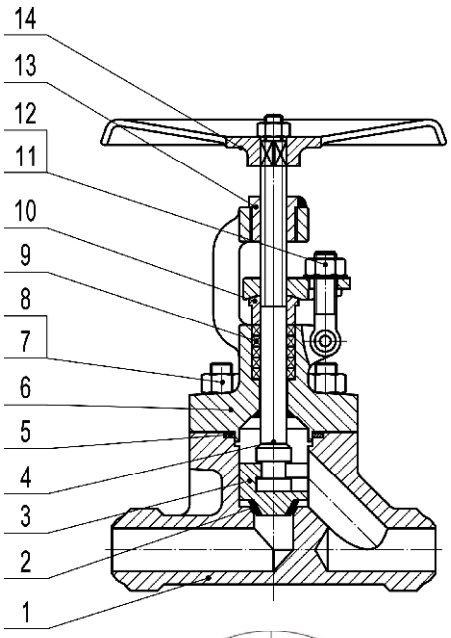
- Stem is rotating, rising
- Valve opening is provided slowly, with gradual suspension of the stroke, to prevent hydraulic and thermal shocks in the valve
- Shutt-off valves can be operated in position open-close, throttling valve can be operated also in an intermediate position

Testing

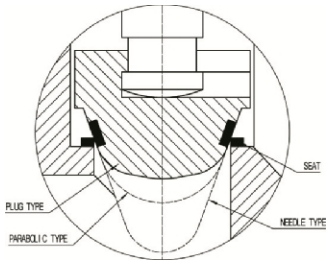
- The valves are pressure tested by water for strength and tightness in accordance with EN-12266
  Cerfitication: PED/97/23/EC
  shell test : nominal pressure (PN)X1.5
  Tightness of seat : nominal pressure (PN)X1.1

Installation

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



Disc type



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

Operation

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

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Contact

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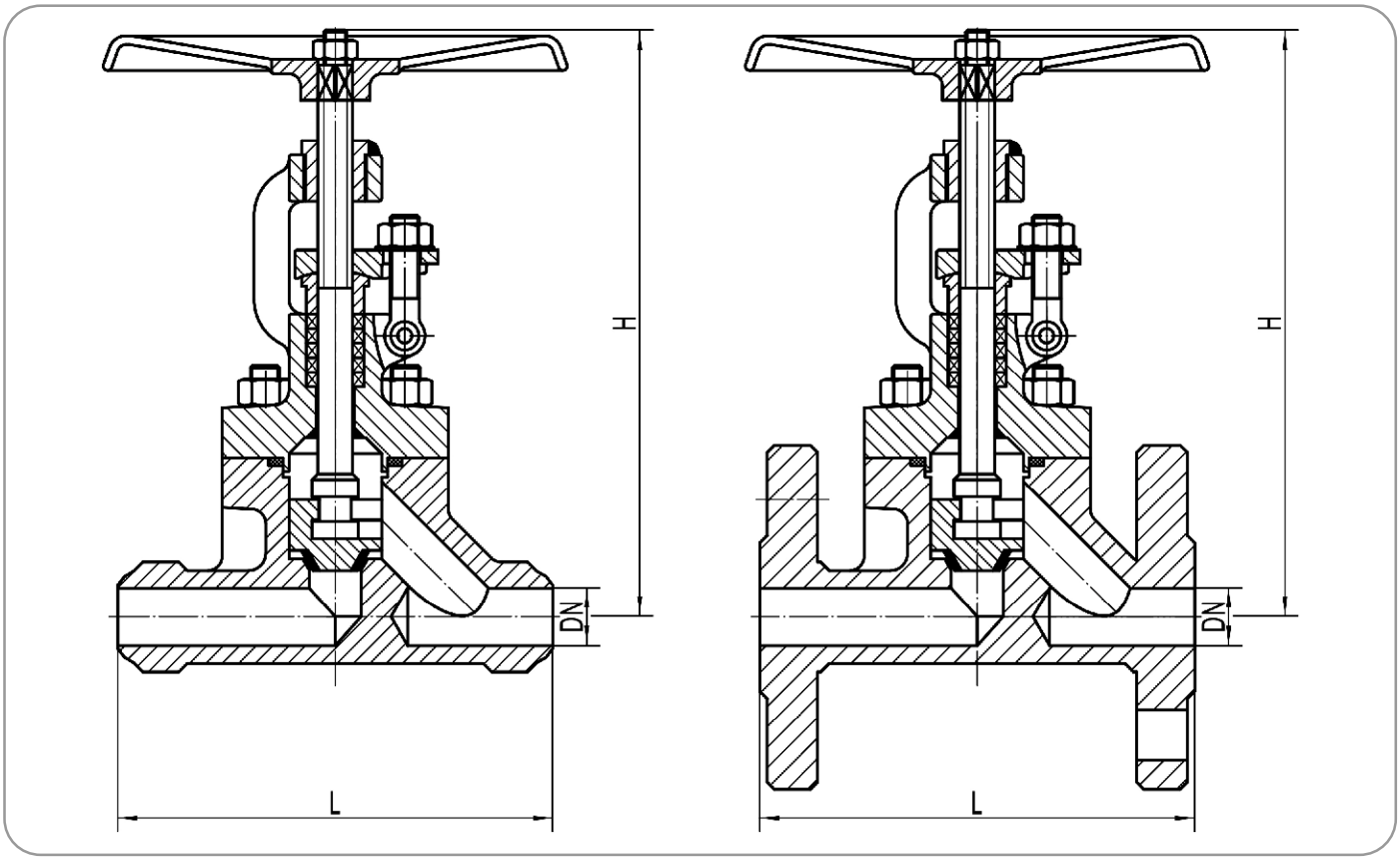
Materials of main parts

Pos.	Name	Material
1	Body	1.0460(A105), 1.7357(F11)
2	Seat	13Cr, STL6
3	Disc	2Cr13+QT,F316
4	Stem	X20Cr13, 25CrMoV,
5	Gasket	Graphite + stainless steel
6	Bonnet	1.0460(A105), 1.7357(F11)
7	Blot	A193 B7,A193 B16
8	Nut	A194 2H,A194 4
9	Packing	Graphite
10	Gland	1.0460(A105), 1.7357(F11)
11	Eyelet bolt	A193 B7,A193 B16
12	Nut	A194 2H,A194 4
13	Screw	C.S
14	Handwheel	Steel

P-T data

Materiál	PN	Pracovní tlak MPa / Pracovní teplota °C													
		50	100	150	200	250	300	350	400	425	475	500	525	550	575
Carbon steel 1C1, A105/1,0460	16	1,58	1,46	1,43	1,38	1,32	1,22	1,17	1,15	0,91	-	-	-	-	-
	25	2,47	2,29	2,23	2,16	2,06	1,91	1,82	1,70	1,42	-	-	-	-	-
	40	3,95	3,66	3,57	3,46	3,29	3,06	2,92	2,72	2,27	-	-	-	-	-
Carbon steel 1C1, A105/1,0460	63	6,35	6,22	5,77	5,62	5,45	5,19	4,81	4,59	4,29	-	-	-	-	-
	100	9,88	9,15	8,92	8,65	8,23	7,64	7,29	6.81	5.67	-	-	-	-	-
	160	15,32	15,02	13,91	13,56	13,14	12,51	11,62	11,09	10,35	-	-	-	-	-
Alloy steel 1C9, 1,7357(F11)	63	6,43	6,40	6,19	5,96	5,74	5,33	5,00	4,55	4,36	3,94	3,14	2,26	1,58	1,09
	100	10,21	10,16	9,82	9,47	9,11	8,46	7,94	7,22	69,2	6,67	4,98	3,58	2,51	1,74
	160	15,51	15,44	14,92	14,39	13,85	12,86	12,07	10,97	10,53	10,14	9,50	5,45	3,81	2,64

Note: the temperature not listed in the table is selected by linear interpolation method



DN		15	20	25	32	40	50
L(mm) PN16-PN40		130	150	160	180	200	230
L(mm) PN63-PN160		150	150	160	180	210	250
H(mm) PN16-PN40		185	185	190	200	220	250
H(mm) PN63-PN160		200	200	220	245	252	270
STORKE(mm)		12	13	16	18	23	26
Weight	PN16	4.8	5.8	6.8	9.5	10.1	13.8
(kg)	PN25	4.8	5.8	6.8	9.5	10.1	14.0
FL	PN40	4.8	5.8	6.8	9.5	10.1	14.0
Weight	PN16	3.2	4.0	4.8	5.9	6.5	8.5
(kg)	PN25	3.2	4.0	4.8	5.9	6.5	8.5
BW	PN40	3.2	4.0	4.8	5.9	6.5	8.5
Weight	PN63	4.2	4.6	5.8	8.8	14	19
(kg)	PN100	4.2	4.6	5.8	8.8	14	19
BW	PN160	4.2	4.6	5.8	8.8	14	19

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