

Shut-off Globe Valve

Type VA1030.P

This valve is designed for opening and closing the flow; it can also be used as a control valve.



TECHNICAL PARAMETERS

Connection	• flanged • weld-end	Medium	• water • steam • non-toxic, non-aggressive liquid media • non-toxic, non-aggressive gaseous media • motor fuels • seawater
Diameter	15 - 300 mm	Working Temperature Range	up to +550 °C
Pressure	40 (16,25) bar		

TYPES

- Standard design – Shut-off plug
- Control plug

MATERIAL SPECIFICATION

FIG. 1 – SHUT-OFF GLOBE VALVE, DN 15-300

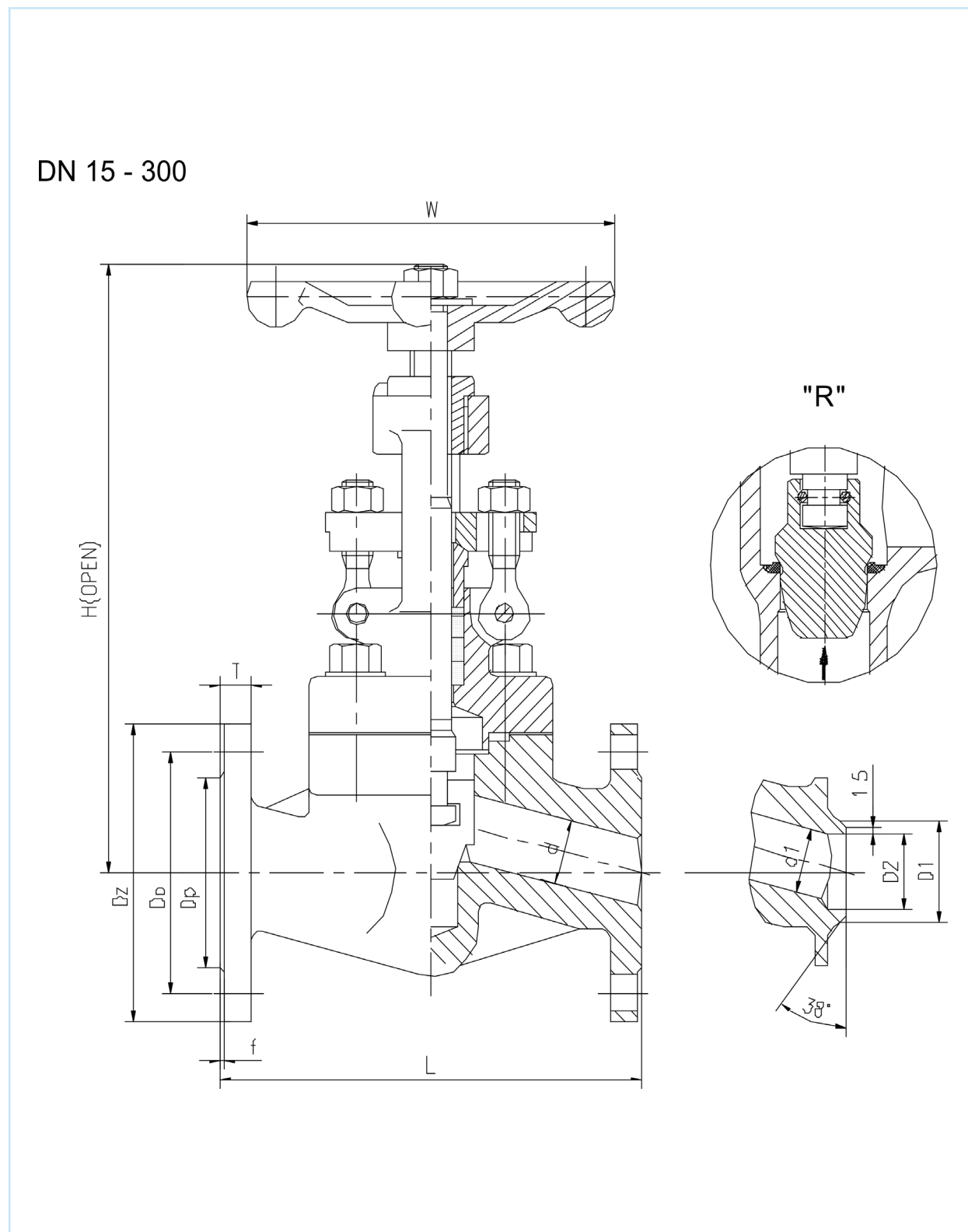


TABLE 1 – LIST OF PARTS WITH MATERIAL SPECIFICATION

Version	Carbon Steel		Alloy Steel		Stainless Steel
Part	T _{MAX} 450°C		T _{MAX} 550°C		T _{MAX} 450°C
Body, Bonnet DN 15-50	P250GH (1.0460) DN 15-50	GP240GH (1.0619) DN 65-300	13CrMo4-5 (1.7335) DN 15-50	G17CrMo5-5 (1.7357)	X5CrNi18-10 (1.4301)
Seat Ring	13Cr	Body material + Stellite	13Cr	13Cr	
Disc DN 15-50	410	A105 +Stellite	A276-410	A276-410	304
Actuator	410	A182 F6	410	410	304
Bolts	A193-B7		A193-B16		A193-B8
Nuts	A194-2H		A194-4		A194-8
Gasket	304 + Graphite		304 + Graphite		304 + Graphite
Handwheel	Ductile iron		Ductile iron		Ductile iron

BASIC DIMENSIONS

TABLE 2 – DIMENSIONS OVERVIEW FOR PN16 [MM]

DN	Flange connection																						Welding ends "S"		
	PN40												PN16					PN25							
	Dz	Dp	Do	do	n	L	g.	f	H	h	Dk	Weight	Dz	Dp	Do	do	n	Dz	Dp	Do	do	n	Dz	Dw	Weight
15	95	45	65	14	4	130	16	2	155	13	120	3,80	95	45	65	14	4	95	45	65	65	4	22	17	2,40
20	105	58	75	14	4	150	18	2	155	13	120	4,50	105	58	75	14	4	105	58	75	75	4	28	22	2,50
25	115	68	85	14	4	160	18	2	155	13	120	5,00	115	68	85	14	4	115	68	85	85	4	35	28,5	2,80
32	140	78	100	18	4	180	18	2	195	15	160	9,50	140	78	100	18	4	140	78	100	100	4	44	37	6,20
40	150	88	110	18	4	200	18	3	205	19	160	10,70	150	88	110	18	4	150	88	110	110	4	50	43	5,90
50	165	102	125	18	4	230	20	3	215	24	160	12,80	165	102	125	18	4	165	102	125	125	4	62	54	8,10
65	185	122	145	18	8	290	22	3	245	30	200	28,40	185	122	145	18	4	185	122	145	145	4	77	69	17,50
80	200	138	160	18	8	310	24	3	300	40	250	36,70	200	138	160	18	8	200	138	160	160	8	91	81	23,50
100	235	162	190	22	8	350	24	3	402	45	320	52,50	220	158	180	18	8	235	162	190	190	8	117	104	40,80
125	270	188	220	26	8	400	26	3	436	55	280	70,20	250	184	210	18	8	270	188	220	220	8	144	130,5	67,70
150	300	218	250	26	8	480	28	3	496	65	320	106,50	285	212	240	22	8	300	218	250	250	8	172	156,5	86,60
200	375	285	320	30	12	600	34	3	576	75	400	207,20	340	268	295	22	12	360	278	310	310	12	223	204,5	171,40
250	450	345	385	33	12	730	38	3	590	130	400	325,00	405	320	355	26	12	425	335	370	370	12	278	256,5	276,60
300	515	410	450	33	16	850	42	3	730	205	600	530,00	460	370	410	26	12	485	395	430	430	16	329	306,5	456,00

TECHNICAL DATA

TABLE 3 – TEMPERATURE SPECIFICATIONS

Material	PN	Working pressure vs. temperature																
		20°C	100°C	150°C	200°C	250°C	300°C	350°C	400°C	450°C	480°C	500°C	510°C	520°C	530°C	540°C	550°C	560°C
P250GH (1.0460)	16	16,0	16,0	16,0	14,5	12,9	11,4	9,9	8,4	5,3	-	-	-	-	-	-	-	-
	25	25,0	25,0	25,0	22,6	20,2	17,9	15,5	13,1	8,2	-	-	-	-	-	-	-	-
	40	40,0	40,0	40,0	36,2	32,4	28,6	24,8	20,9	13,1	-	-	-	-	-	-	-	-
GP240GH (1.0619)	16	16,0	15,0	14,2	13,4	12,3	11,1	10,4	9,6	5,9	-	-	-	-	-	-	-	-
	25	25,0	23,4	22,2	21,0	19,2	17,4	16,2	15,0	9,2	-	-	-	-	-	-	-	-
	40	40,0	37,4	35,5	33,6	30,7	27,8	25,9	24,0	14,7	-	-	-	-	-	-	-	-
13CrMo4-5 (1.7335)	16	16,0	16,0	16,0	16,0	16,0	16,0	14,9	14,4	13,7	13,1	12,6	12,0	11,8	11,6	10,0	8,9	
	25	25,0	25,0	25,0	25,0	25,0	25,0	23,3	21,3	19,7	18,1	15,6	13,9	11,5	10,1	8,7	7,3	
	40	40,0	40,0	40,0	40,0	40,0	40,0	37,3	34,1	31,5	28,9	25,0	22,3	18,3	15,2	13,4	11,7	
G17CrMo5-5 (1.7357)	16	16,0	16,0	16,0	16,0	16,0	16,0	14,9	13,7	12,6	11,6	10,0	8,9	7,5	7,3	5,6	4,7	-
	25	25,0	25,0	25,0	25,0	25,0	25,0	23,3	21,3	19,7	18,1	15,6	13,9	11,5	7,3	8,3	7,3	-
	40	40,0	40,0	40,0	40,0	40,0	40,0	37,3	34,1	31,5	28,9	25,0	22,3	18,3	18,2	15,4	11,7	-

INSTALLATION AND OPERATING INSTRUCTIONS

The valve may only be installed and operated by qualified, properly trained, and competent personnel. Incorrect installation or operation of the valve can significantly impact the entire system, potentially causing issues such as fluid leakage, reduced system performance, etc.

Before installing the valve, the pipeline must be clean and free from mechanical impurities. The compatibility of critical flow parameters must be checked against the valve's specifications.

The shut-off globe valve can be installed in any position in the pipeline.
The flow direction must correspond to the arrow marked on the valve body.
The valve should be operated strictly according to its intended function.

To ensure the reliability of the valve, the following recommendations must be observed:

- The medium flowing through the valve should be clean and free of mechanical impurities;
- The valve must be protected from mechanical damage during operation;
- The nominal parameters marked on the valve must be adhered to.

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