GLOBE VALVE butt welding BW_422VS
V46 (V40) 121 4100_V46 (V40) 121 3100)

CHARACTERISTIC:

Diameter	-	15 - 50 mm;
Pressure	-	100 bar;
Temperature	-	up to 560°C;
Medium	-	water, steam and other non-toxic, non aggressive liquid and gas media and engine fuel, sea water

VERSION:

type / ends / body material

Example: **V46_422VS / A / ┼-**

Ends	Sign
Butt weld ends	---

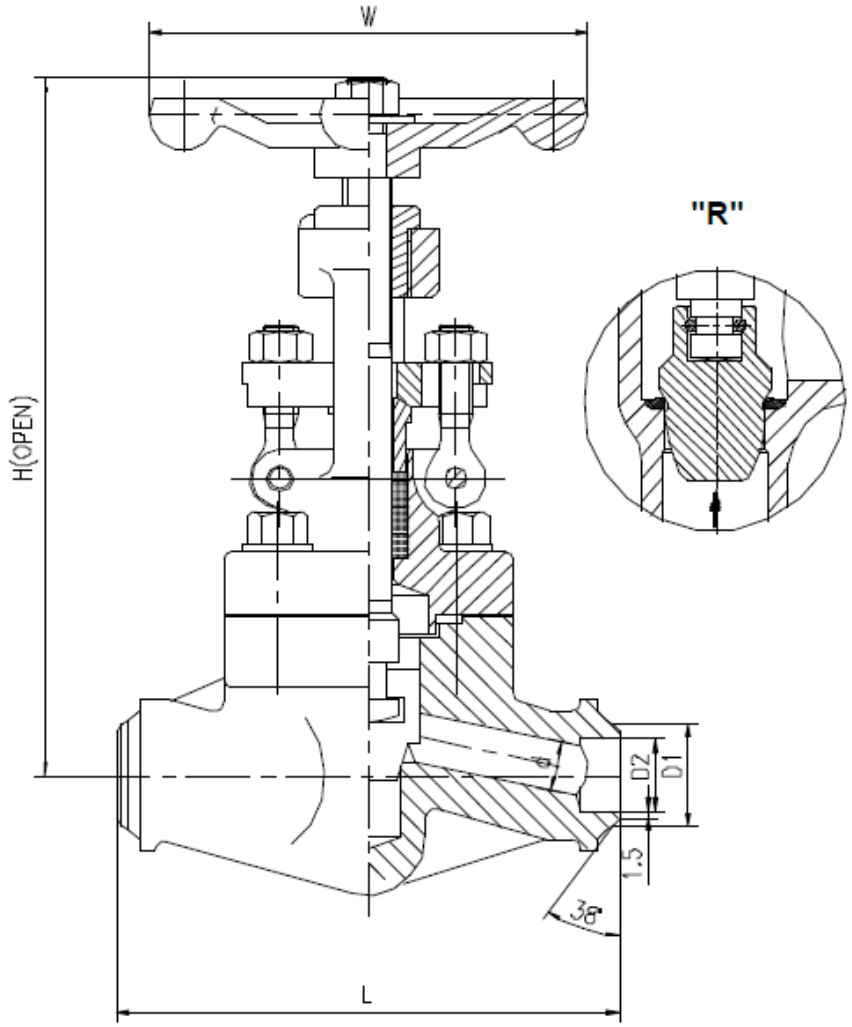
Body material	Sign
P250GH (1.0460)	---
13CrMo4-5 (1.7335)	A

Disc and disc ring	Sign
Standard	---
With regulating disc	R

APPLICATION:

Stop globe valve is designed to open and stop the flow. The valve is not supposed to be used as a regulating device. For regulation the version with throttling plug should be applied

DN 15 - 50



V46

V46 (V40) 121 4100_V46 (V40) 121 3100)
GLOBE VALVE butt welding BW_422VS

MATERIALS

Version	Standard	A
Part	T_{MAX} 450°C	T_{MAX} 560°C
Body , bonnet DN 15-50	P250GH (1.0460)	13CrMo4-5 (1.7335)
Seat ring	13Cr	Stellit
Disc DN 15-50	13Cr	Stellit
Stem	410	410
Bolts	A193-B7	A193-B16
Nuts	A194-2H	A194-4
Gasket	304 + Graphit	304 + Graphit
Wheel	Malleable iron	Malleable iron

DIAMETER:

DN	Standard- Butt weld ends PN100							
	d	L	H	Dk	D1	D2	Weight	Gasket
15	15	130	176	120	22	17	1,7	43x32x3,6
20	20	150	206	120	28	22	2,1	48x36x3,6
25	24.5	160	228	160	35	29	3,2	60x47x3,6
32	31	180	245	160	44	37	4,5	60x47x3,6
40	37,5	200	280	180	50	43	5,8	74x61x3,6
50	47,5	230	339	220	62	54,5	9,6	88x74x3,6

TECHNICAL DATA:

Body material	PN	Maximal working pressure at working 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
		bar																
P250GH (1.0460)	100	100,0	92,8	88,0	83,3	76,1	69,0	64,2	59,5	32,8	-	-	-	-	-	-	-	-
13CrMo4-5 (1,7335)	100	100,0	100,0	100,0	100,0	100,0	99,5	95,2	90,4	85,7	73,4	65,2	54,9	44,7	37,1	29,0	23,3	19,0

MOUNTING AND OPERATING:

The valve can only be mounted and operated by skilled, properly trained and qualified personnel. Incorrect assembly or operation of the valve may have substantial impact on the entire system such as fluid leakage, reduction in system's function etc.

Before a valve is installed the pipeline must be clean from any mechanical impurities. The compatibility of critical parameters of the flow must be checked with the parameters of the valve. Stop globe valve can be mounted to a pipe-line in any position. The direction of flow should only comply with the arrow marked on the body. The valve should be operated strictly with its assign. In order to provide valve's reliability the following suggestions must be observed:

- medium flowing through the valve is supposed to be clean out of any mechanical impurities;
- the valve must be protected from any mechanical damages during its work;
- nominal parameters marked on the valve must be observed.