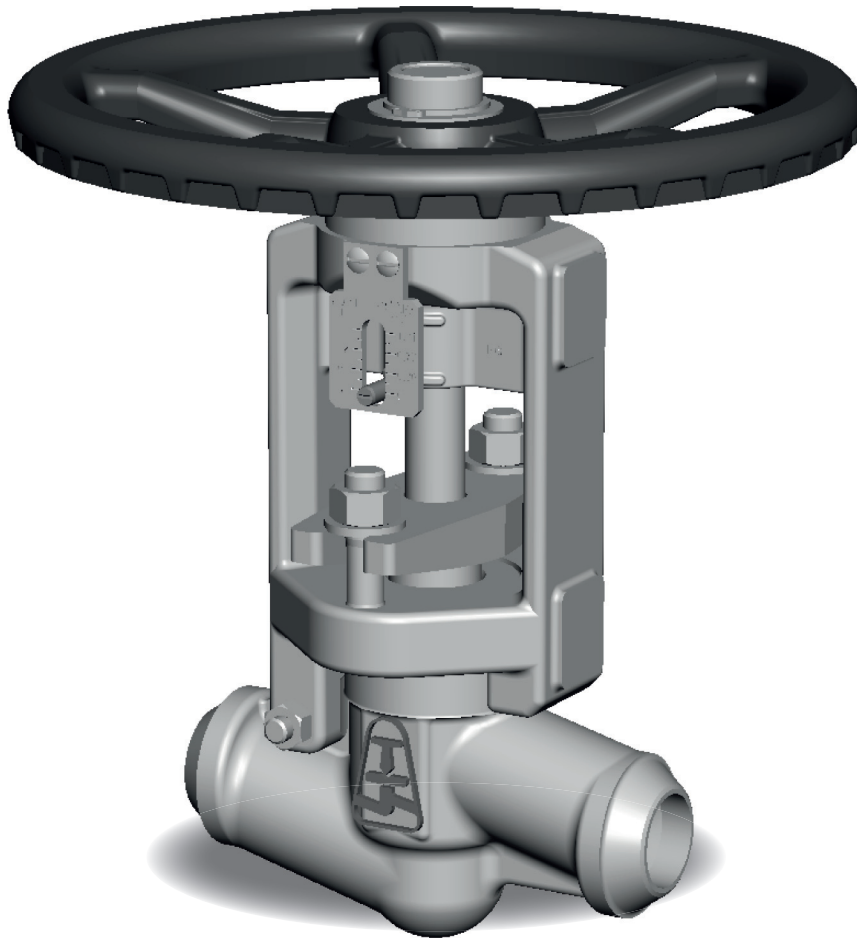


# CONTINUOUS BLOWDOWN VALVE B25.2

PN 63–400; DN 15, 25; T<sub>MAX</sub>: 450 °C



CONTINUOUS BLOWDOWN VALVE B25.2

## APPLICATION

- water

## CONNECTION

- weld ends, flanged

## OPERATION

- handwheel

## DESCRIPTION

- non-rotating rising stem
- welded or flanged design
- straight-way pattern
- complies with the requirements of the directive 2014/68/EU, EN 13 709
- testing is carried out according to EN 12266-1

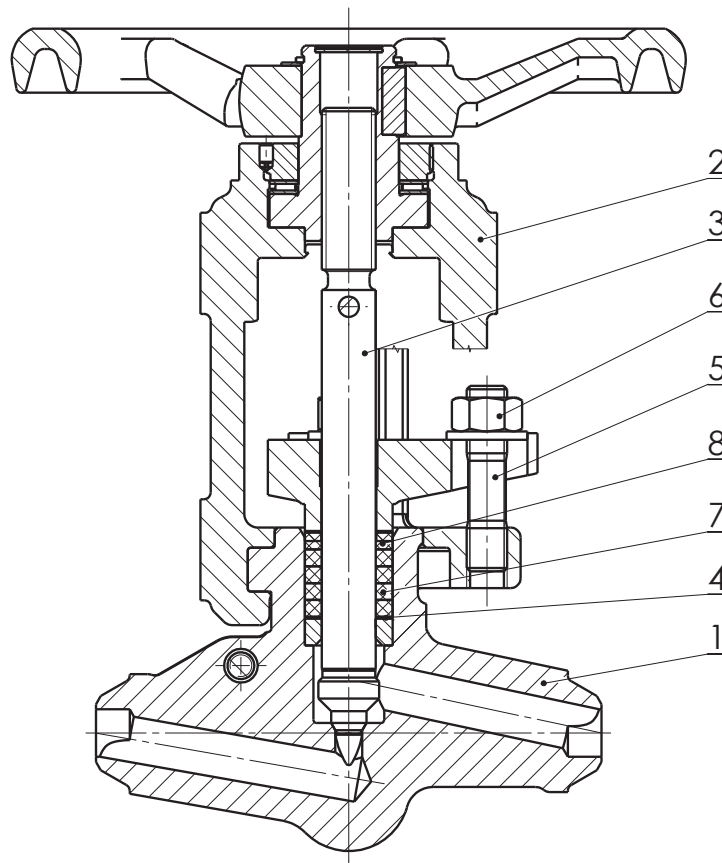
## BASIC DESIGN OPTIONS

- graphite gasket
- other tests according to customer's request
- delivery according to TRD 201 on request

**PRESSURE-TEMPERATURE-RATINGS**

Material	PN	Admissible operating pressure PS [bar] at operating temperature TS [°C]																
		-10	50	100	150	200	250	280	300	350	380	390	400	410	420	430	440	450
P250GH (C22.8) (1.0460)	63	63	63	63	63	63	56,7	53,2	50,4	44,9	41,0	40,2	39,4	38,4	37,5	36,5	35,6	34,7
	100	100	100	100	100	100	90,0	84,5	80,0	71,3	65,0	63,8	62,5	61,0	59,5	58,0	56,5	55,0
	160	160	160	160	160	160	144	135	128	114	104	102	100	97,6	95,2	92,8	90,4	88,0
	250	250	250	250	250	250	225	212	200	178	163	159	156	153	149	145	141	138
	320	320	320	320	320	320	288	271	256	228	208	204	200	195	190	186	181	176
	400	400	400	400	400	400	360	340	320	285	260	255	250	244	238	232	226	220

**USED MATERIALS**



Pos.	Part	Material
1	Body	P250GH (C 22.8) 1.0460
	Hard facing of sealing surface	13Cr
2	Yoke	G17CrMo9-10 (1.7379)
3	Stem with disc	X20Cr13, 1.4021
	Hard facing of sealing surface	Hardening
4	Gasket	CrN – steel graphite
5	Stud	21CrMoV5-7 (1.7705)
6	Nut	25CrMo4 (1.7218)
8	Gasket	Grafit knitted
7	Gasket	Grafit pressed

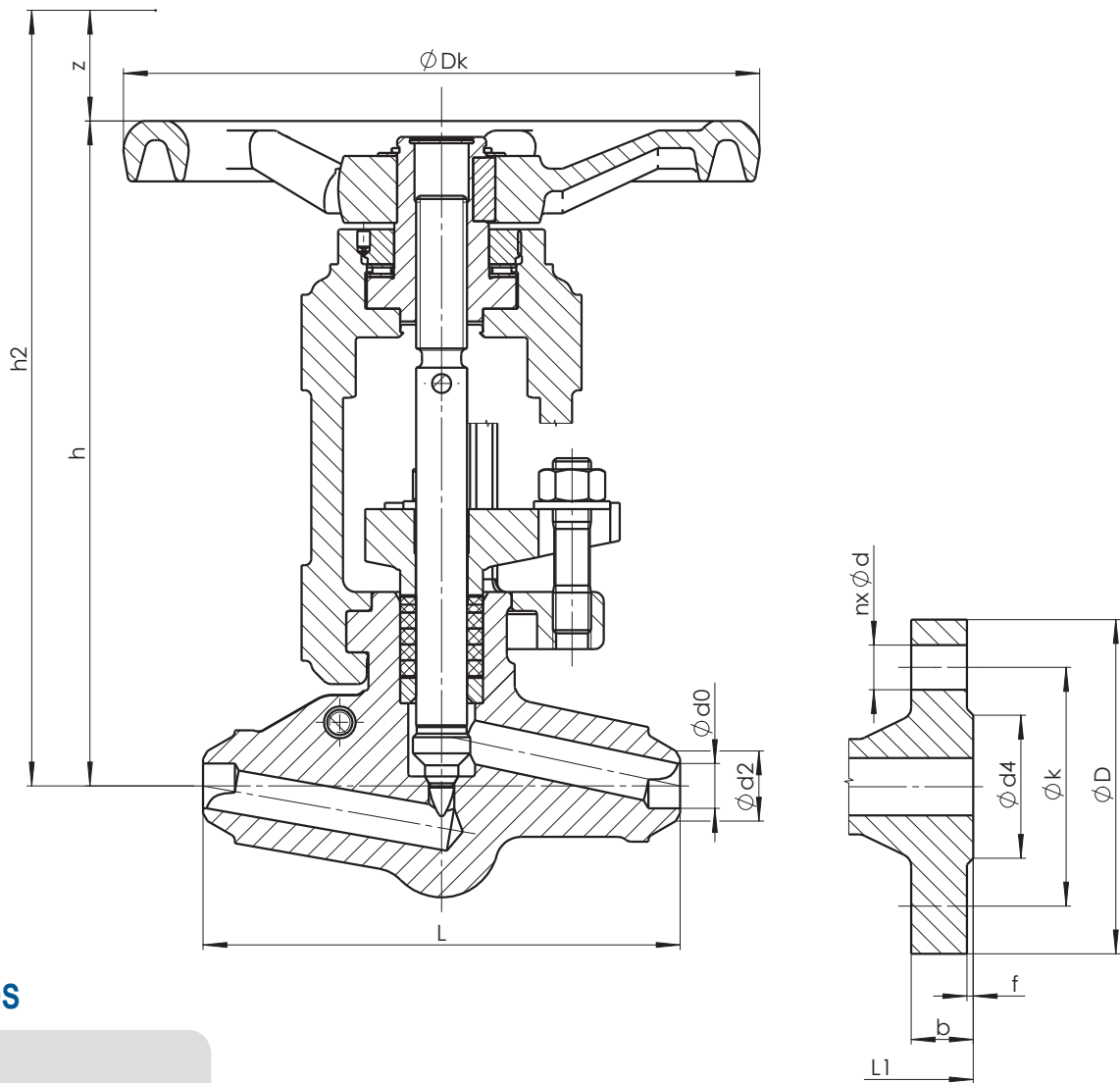
## VALVE DIMENSIONS

### 1. Weld ends

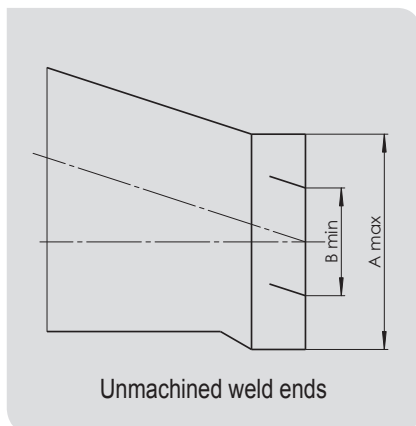
Face-to-face dimensions: EN 12982 – line 65  
 Weld ends: DIN 3239 – part 1  
 Groove form: DIN 2559 – sheet 1 – form 22

### 2. Flanged

Face-to-face dimensions: EN 558-1 – line 2  
 Flanged: EN 1092-1, (DIN 2501/1972)



## WELDING ENDS



## WELDING DESIGN

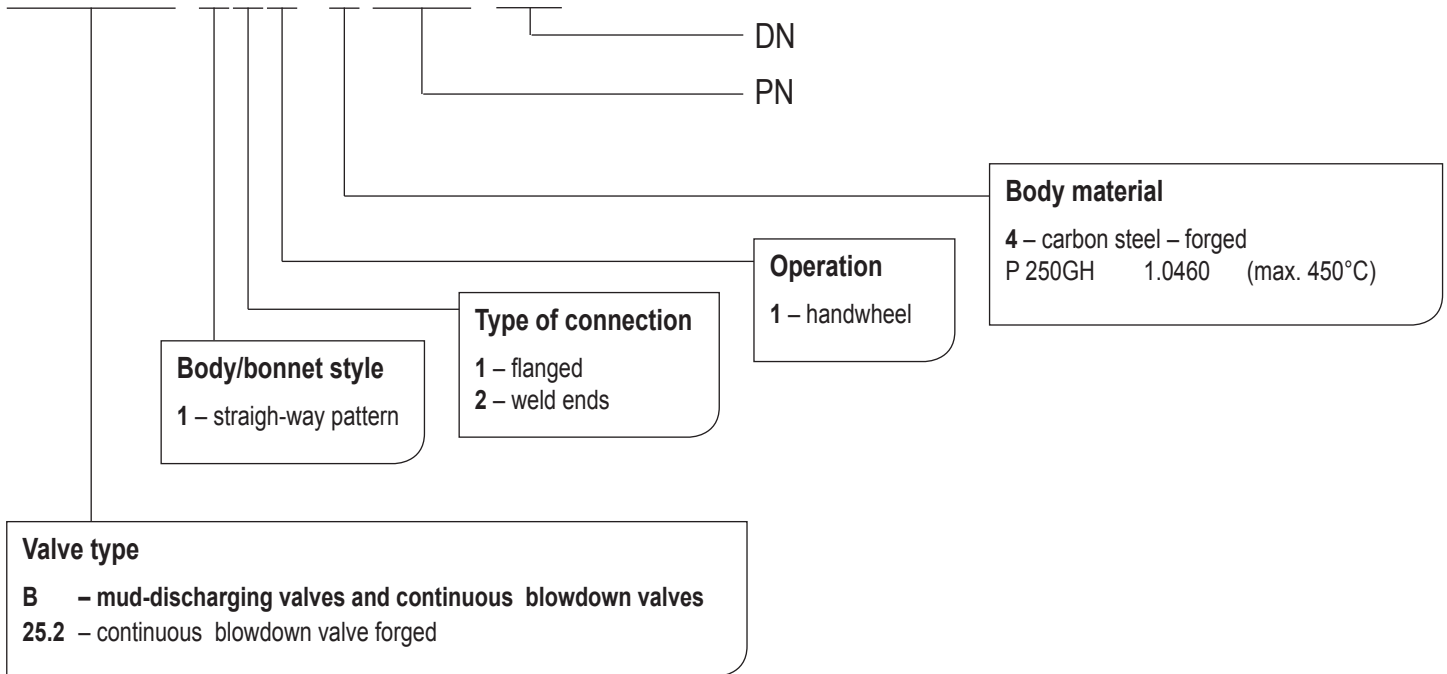
Nominal pressure	Nominal size	Face-to-face	Centre-to-top	Disassembly height	Handwheel	Stroke	Weld ends		Pipes dimension	Dimension of unmachined weld ends		Approximate weight
							$d_2$	$d_0$		$A_{max}$	$B_{min}$	
PN	DN	L	h	$h_2$	$\varnothing D_k$	z	$d_2$	$d_0$		$A_{max}$	$B_{min}$	$m$ [kg]
63	15	150	225	330	200	11	22	17	21,3x2,0	35	9	6,4
	25	160	240	360	250	18	35	28,5	33,7x2,6	50	24	8,5
100	15	150	225	330	200	11	22	17	21,3x2,0	35	9	6,4
	25	160	240	360	250	18	35	28,5	33,7x2,6	50	24	8,5
160	15	150	225	330	200	11	22	17	21,3x2,0	35	9	6,4
	25	160	240	360	250	18	35	27,5	33,7x3,2	50	24	8,5
250	15	150	225	330	200	11	22	16	21,3x2,6	35	9	6,4
	25	160	240	360	250	18	35	26,5	33,7x3,6	50	24	8,5
320	15	150	225	330	200	11	22	15	21,3x3,2	35	14	6,4
	25	160	240	360	250	18	35	24	33,7x5,0	50	24	8,5
400	15	150	225	330	250	11	22	17	26,9x5,0	35	14	7,1
	25	160	240	360	250	18	44	28	42,4x8,0	48	22	9,0

## FLANGE DESIGN

Nominal pressure	Nominal size	Face-to-face	Centre-to-top	Disassembly height	Handwheel	Number of holes	Hole	Pitch circle	Flange diameter	Flange thickness	Sealing bar	Approximate weight
63	15	230	225	330	200	4	14	75	105	20	45x2	11,0
	25	260	240	360	200	4	18	100	140	24	68x2	14,5
100	15	230	225	330	200	4	14	75	105	20	45x2	11,0
	25	260	240	360	200	4	18	100	140	24	68x2	14,5
160	15	230	225	330	200	4	14	75	105	20	45x2	11,0
	25	260	240	360	200	4	18	100	140	24	68x2	14,5
250	15	230	225	330	160	4	18	90	130	26	45x2	11,0
	25	260	240	360	200	4	22	105	150	28	68x2	14,5
320	15	230	225	330	200	4	18	90	130	26	45x2	11,0
	25	260	240	360	250	4	22	115	160	34	68x2	17,5
400	15	230	225	330	200	4	22	100	145	30	45x2	11,0
	25	260	240	360	250	4	26	130	180	38	68x2	14,5

## VALVE DESCRIPTION CODE

## B25.2 111-4250-25



## VALVE INSTALLATION

Valve is mounted in straight pipe sections with an uninterrupted flow of working fluid in any position. Recommended valve position – stem and controls perpendicular upwards. Medium must flow in accordance with the direction indicated by an arrow on the valve body. It is recommended to install a shut-off globe valve before the continuous blowdown valve. There is a throttle cone, fine thread of the stem and opening indicator at the globe valve for setting of the correct continue blow-down valve.

It is necessary to consider the following points during assembly and operation:

- operating conditions must comply with operating parameters of the valve
- the medium used must be comply with the corrosion resistance of the valve material
- use of mechanically damaged valves during the operation is prohibited

**The service life of valves significantly extends regular maintenance and minor repairs carried out by trained personnel.**