

# 1125 A

**Globe valve**  
**Bellow sealed**  
**Straight seat type**  
**PN 10-40 DN 15-200**

**Design**  
 Acc. to DIN 3356

**Top part**  
 Split stem,  
 Rising stem upper-part  
 with outside screw,  
 Rising handwheel

**Stem sealing**  
 Bellow with additional  
 stuffing box

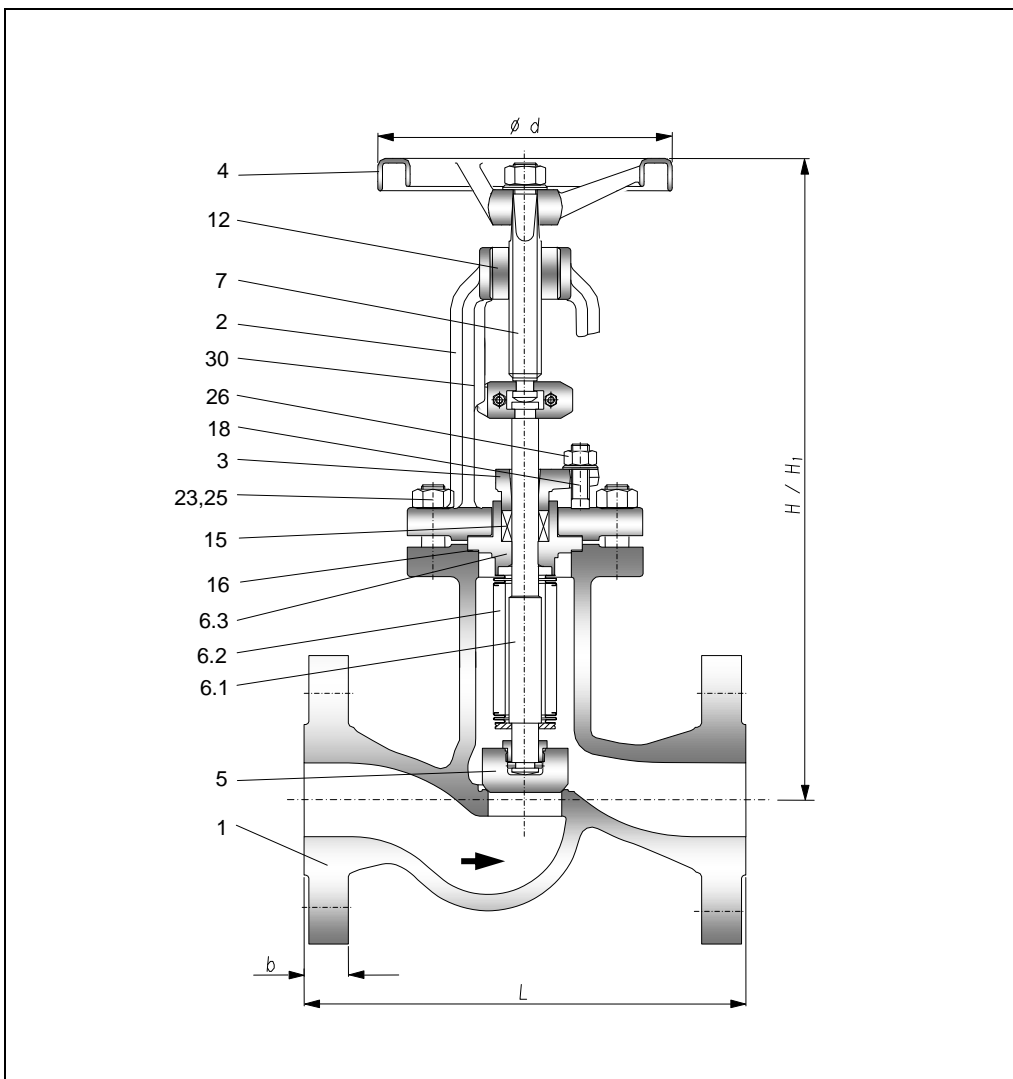
**Obturator**  
 Disk

**Body seat**  
 Integral seat

**Valve ends**  
 Flanges acc. to  
 EN 1092-1 (DIN 2501  
 Part 1)

**Requirements and tests**  
 Acc. to DIN 3356 Part 1  
 BA = 1,3 x PN

**Marking**  
 Nominal size DN  
 Nominal pressure PN  
 Body material  
 Manufacturer brand  
 Flow direction arrow



Pos.	Denomination	Material		Pos.	Denomination	Material	
		1.0619	1.4408			1.0619	1.4408
1	Body	1.0619	1.4408	12	Sleeve	1.4021	1.4021
2	Yoke	1.0619	1.4408	15	Packing	Graphite	Graphite
3	Gland	1.0460	1.4571	16	Gasket	Graphite /	Graphite /
4	Handwheel	GTS/GTW	GTS/GTW			1.4401	1.4401
5	Disk	1.4571	1.4571	18	Stud bolt	1.7218	A4-70
6.1	Stem-under part	1.4571	1.4571	23	Stud bolt	1.7218	A4-70
6.2	Bellow	1.4571	1.4571	25	Hex. nut	1.1181	A4
6.3	Gland housing	1.4571	1.4571	26	Hex. nut	1.1181	A4
7	Stem-upper part	1.4021	1.4571	30	Coupling	1.4581	1.4581
10	Disc screwing	1.4571	1.4571				

**Face-to-face dimension acc. to EN 558 series 1 (DIN 3202-F1)**

DN	15	20	25	32	40	50	65	80	100	125	150	200	
L	130	150	160	180	200	230	290	310	350	400	480	600	
H	320	345	345	345	405	405	510	540	585	650	685	830	
H1	330	357	357	357	420	420	535	565	615	685	730	890	
Ø d	140	140	140	140	180	180	200	200	225	280	280	320	
PN	b												
10	kg	use PN 16											
PN	b												
16	kg	use PN 40											
PN	b												
25	kg	use PN 40											
PN	b	16	18	18	18	18	20	22	24	24	26	28	34
40	kg												
kvs		4	6,3	10	16	25	40	63	100	160	250	360	630



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PN 10-40 DN 15-200

## Pressure/Temperature ratings in bar g at Temperature in °C

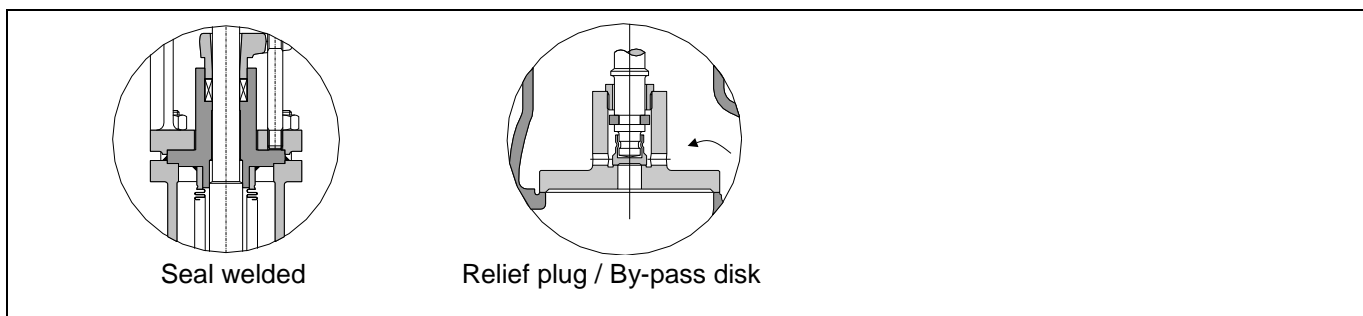
Material	PN	50°C	100°C	120°C	150°C	200°C	250°C	300°C	350°C	400°C			
»1.0619« GP240GH EN 10213	10	10,0	8,7	8,7	8,0	7,2	6,6	6,0	5,6	5,4			
	16	16,0	14,0	14,0	12,8	11,6	10,6	9,6	9,0	8,6			
	25	25,0	21,8	21,8	20,0	18,2	16,6	15,1	14,0	13,5			
	40	40,0	35,0	35,0	32,0	29,1	26,6	24,1	22,5	21,6			
»1.4408« GX6CrNiMo18-10-2 EN 10213	10	10,0	8,2	8,2	7,2	6,2	5,7	5,1					
	16	16,0	13,2	13,2	11,6	10,0	9,1	8,2					
	25	25,0	20,7	20,7	18,1	15,7	14,2	12,8					
	40	40,0	33,1	33,1	29,0	25,1	22,8	20,5					

### Modifications

Seal welded  
Throttle plug / Regulating disk  
Relief plug / By-pass disk  
Heating jacket  
Soft seated disk  
Conical disk

### Additional equipment

Stem extension  
Gear  
Electric actuator  
Pneumatic actuator



### Installation

Piping is to be in such a manner that injurious thrust and bending forces are kept away from the valve casings. Globe valves are usually installed thus allowing the liquid to enter below the plug and to leave above it. Globe valves can also be installed in pipelines with changing flow directions up to the under mentioned differential pressures between the working pressure before the closing plug and the back pressure behind it. As soon as these differential pressures will be exceeded, relief plugs have to be provided for. These have to be installed in such a way that the pressure to be sealed has to be above the plug.

Nominal size DN	125	150	200
$\Delta p$ [bar]	33	21	14

The relief plug has the function of a by-pass and can only serve its purpose when after opening a back pressure is built up so that the differential pressure becomes smaller than the figures in the above table. If this is not possible, special designs are necessary. In this case we need the exact working conditions. When turning the handwheel it is not allowed to use additional levers.