

1801

Sight glass

PN 10-40 DN 15-200

Design

Straight pattern
Jammed glass plates

Valve ends

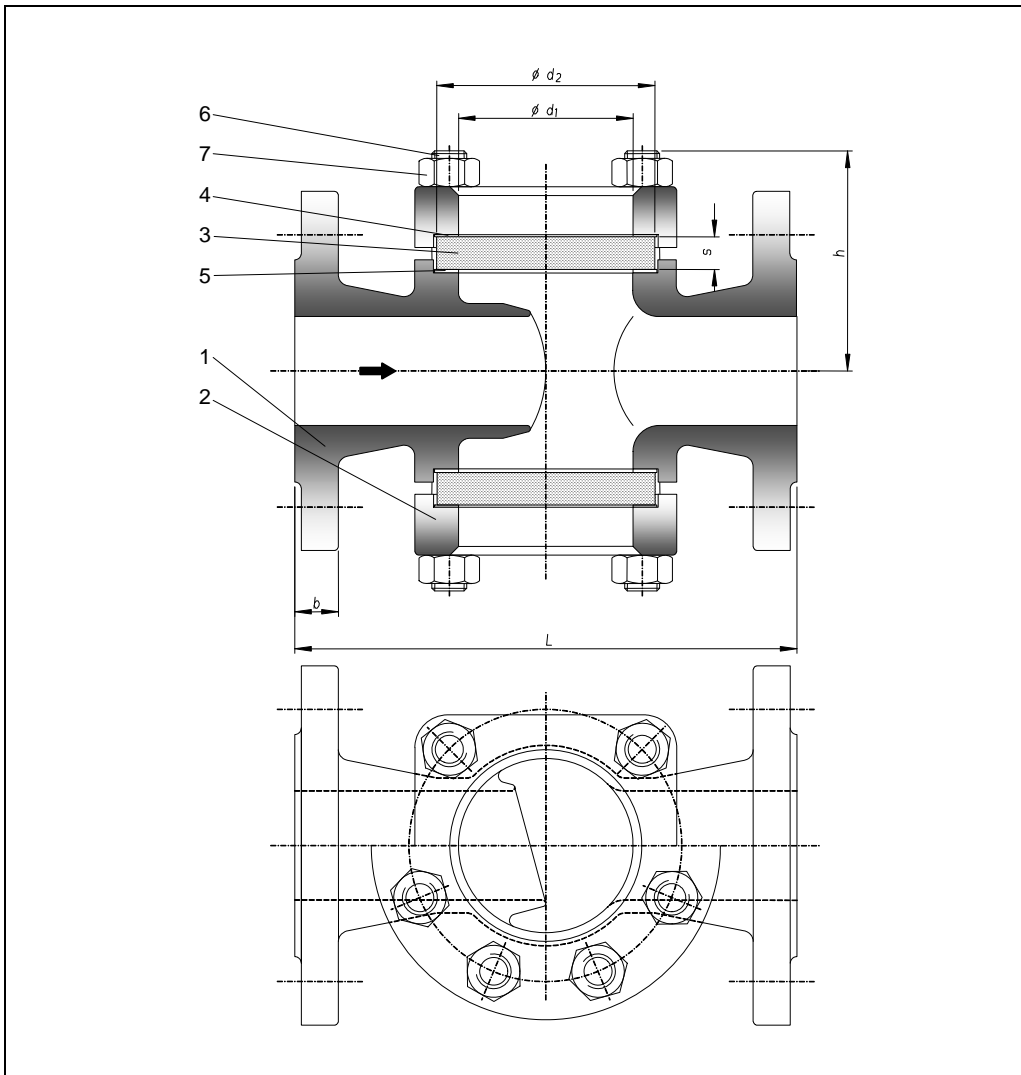
Flanges acc. to
EN 1092-1 (DIN 2501
Part 1)

Requirements and tests

Acc. to DIN 3237 Part 1

Marking

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



Pos. Denomination Material

		1.0619	1.4408
1	Body	1.0619	1.4408
2	Locking ring	1.0619	1.4408
3	Glass plate	Borosilicate	Borosilicate
4	Compensation ring	Graphite / 1.4401	Graphite / 1.4401

Pos. Denomination Material

		1.0619	1.4408
5	Gasket	Graphite / 1.4401	Graphite / 1.4401
6	Stud bolt	5.6	A4 - 70
7	Hex. nut	5	A4

¹ further materials are shown in the technical part

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

DN	square flange						round flange					
	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
Ø d1	32		48		65	80	100	100	125	150	175	225
Ø d2	45		63		80	100	125	125	150	175	200	250
PN 10	h	use PN 40	use PN 16				use PN 16				160	205
	s										25	30
	b										22	24
	kg											
PN 16	h	use PN 40	65	85	105	110	120	140	145	165	---	
	s		10	12	15	15	20	25	30	30	---	
	b		18	18	20	18	20		22		---	
	kg											---
PN 25	h	use PN 40	65	85	105	110	130	145	---	170	---	
	s		12	15	20	20	25	30	---	40	---	
	b		18	18	20	22	24		---	28	---	
	kg									---		---
PN 40	h	75	55	70	90	110	115	130	150	---	---	
	s	10		15	20	25	25	30	35	---	---	
	b	16	18		20	22	24		---	---		
	kg	4								---	---	

1801**Sight glass****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	280°C					
»1.0619« GP240GH EN 10213	10	10,0	8,7	8,7	8,0	7,2	6,6	6,2					
	16	16,0	14,0	14,0	12,8	11,6	10,6	10,0					
	25	25,0	21,8	21,8	20,0	18,2	16,6	15,7					
	40	40,0	35,0	35,0	32,0	29,1	26,6	25,1					
»1.4408« GX6CrNiMo18-10-2 EN 10213	10	10,0	8,2	8,2	7,2	6,2	5,7	5,3					
	16	16,0	13,2	13,2	11,6	10,0	9,1	8,6					
	25	25,0	20,7	20,7	18,1	15,7	14,2	13,4					
	40	40,0	33,1	33,1	29,0	25,1	22,8	21,4					

Modifications

Double glass plates
Metal melted glass plates
Heating jacket

Installation

Piping is to be in such a manner that injurious thrust and bending forces are kept away from the valve casings. Depending on the view and the flow direction, sight glasses can be installed in each position.

06/2008 - 1801.100-400.040/205e – Subject to change without notice