

**Metal seated gate valve  
flanged**

**PN10  
PN16**

**INDUSTRY**



Gate valve DN200

## Product description (standard execution):

- Body and wedge face seal rings made of stainless steel
- Graphite or PTFE + graphite packing gland of spindle
- Stainless steel spindle with rolled thread - rising
- Body, bonnet and wedge made of ductile cast iron EN-GJS 400-15
- Non-asbestos body bonnet gasket, graphite or AF300 - flat
- Body bonnet Zinc coated screws
- Polyvinyl coating minimum 100 microns according to EN 14901
- Product according to EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PN10; PN16
- Face to face according to EN 558-A1 row14 F4 (DIN 3202)
- Product marking according to EN 19; EN 1171

## Application:

Industrial water, water and air networks and tanks; heating installations, petroleum compounds, coke-oven gas and other inert liquids.  
Working conditions:  
temp. up +120°C (bronze rings), +150°C (stainless steel rings)  
pressure up to 1,6 MPa

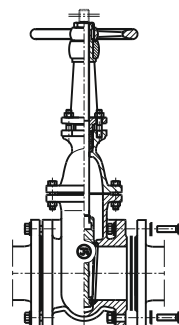
## Test control:

Water pressure test according to EN 1074-1; EN 1074-2;  
EN 12266-1  
Seat: 1,1 x PN  
Body: 1,5 x PN  
Air pressure test according to EN 12266-1  
Seat: 1,1 x PN;  
Body: 1,1 x PN  
Operation torque test

## Execution variant:

Ductile cast iron EN-GJS 500-7  
With SS body bonnet screws  
Sealing ring bronze  
With inductive or electromechanical sensors  
With opening indicator

## Installation:



Recommended

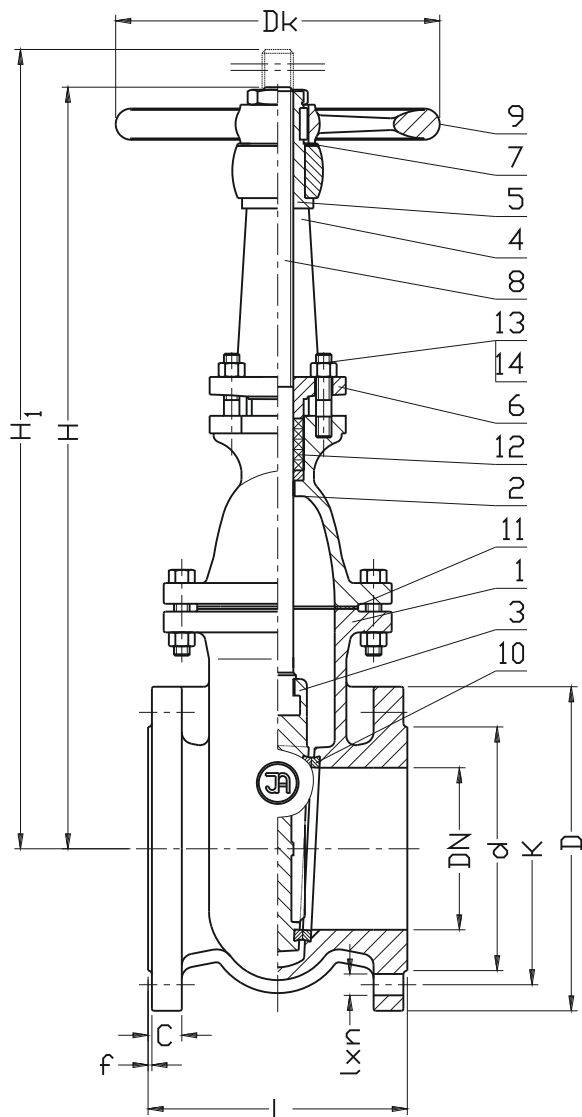


Acceptable



Not acceptable





No	Part	Standard execution
1	Body	Ductile cast iron EN-GJS-400-15 EN-GJS 500-7 (*) EN 1563
2	Bonnet	Ductile cast iron EN-GJS-400-15 EN-GJS 500-7 (*) EN 1563
3	Wedge	Ductile cast iron EN-GJS-400-15 EN 1563
4	Pilar	Ductile cast iron EN-GJS-400-15 EN-GJS 500-7 (*) EN 1563
5	Threaded bushing	Ductile cast iron EN-GJS-500-7 EN 1563 Bronze CC499K (*) EN 1982
6	Clamping plate	Ductile cast iron EN-GJS-400-15 EN-GJS 500-7 (*) EN 1563
7	Spinder washer	Ductile cast iron EN-GJS-500-7 EN 1563 Bronze CC499K (*) EN 1982
8	Spindle	Stainless steel 1.4021 EN 10088-1
9	Handwheel	Grey iron EN-GJL 250 EN 1561
10	Ring	Stainless steel 1.4021 EN 10088-1 Bronze (*) PN-EN 1982
11	Body-bonnet gasket	Non-asbestos gasket Graphite - DN40-300 AF300 - DN350-600
12	Gland seal	Graphite - DN40-DN300 PTFT or Graphite - DN350-DN600
13	Screw	Steel 1,0038 DN40-DN300 Steel Fe/Zn5 DN350-DN600 Stainless steel (*) EN ISO 4017
14	Nut	Steel 1,0038 DN40-DN300 Steel Fe/Zn5 DN350-DN600 Stainless steel (*) EN ISO 4027
(*) - other material variants on special request		

Seal	120°C	150°C
Steel ring	PS10/16	PS10
Bronze ring*	PS10/16	no option

DN	PN	L	H/H1	d	D	K	C	f	I	n	Dk	LH thread	Weight
[mm]	[bar]			PN16 (PN10)	PN16 (PN10)	PN16 (PN10)			PN16 (PN10)				[kg]
40	10-16	140	244/295	84	150	110	19	3	19	4	160	Tr12X3	12
50	10-16	150	255/315	99	165	125	19	3	19	4	160	Tr12X3	14,8
65	10-16	170	277/352	118	185	145	19	3	19	4	160	Tr16X4	18,5
80	10-16	180	303/398	132	200	160	19	3	19	8	160	Tr16X4	21,2
100	10-16	190	340/465	156	220	180	19	3	19	8	200	Tr20X4	31
125	10-16	200	387/527	10-16	250	210	19	3	19	8	200	Tr20X4	43,6
150	10-16	210	454/624	211	285	240	19	3	23	8	200	Tr22X5	53,7
200	10-16	230	538/755	266	340	295	20	3	23	12(8)	250	Tr22X5	82,5
250	10-16	250	629/898	319	405 (395)	355 (350)	22	3	28 (23)	12	250	Tr26X5	105
300	10-16	270	730/1050	370	460 (445)	410 (400)	25	4	28 (23)	12	320	Tr28X5	152
350	10-16	290	1280/1650	429	520 (505)	470 (460)	27	4	28 (23)	16	320	Tr32X6	225
400	10-16	310	1410/1830	480	580 (565)	525 (515)	28	4	31 (28)	16	320	Tr32X6	330
500	10-16	350	1720/2550	609 (582)	715 (670)	650 (620)	32	4	34 (28)	20	630	Tr40X6	430
600	10-16	390	1990/2615	720 (682)	840 (780)	770 (725)	36	5	37 (31)	20	630	Tr40X6	668