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S15 111 610/616.150 PN10/16 DN40-DN300

Cast iron gate valve flanged

CAST IRON GATE VALVE FLANGED PN10 DIN3202-1 F4 BRASS SEAT

Cast iron gate valve with brass seat flanged PN10/16 full bore for opening/closing networks of water, water treatment and heating.

Inside screw stem, non rising stem and handwheel.

Graphite packing and bonnet gasket.

Certificate

3.1



Size : DN40 to DN300

Connection : Flanges RF **PN10/16**

Min Temperature : -10°C

Max Temperature : +90°C

Max Pressure : 10 Bars

Specifications : Non rising stem and handwheel
Stainless steel stem and brass seat
Inside screw stem
Full bore

Materials : Cast iron body EN GJL-250

CAST IRON GATE VALVE FLANGED PN10 DIN3202-1 F4 BRASS SEAT

SPECIFICATIONS :

- Single solid wedge
- Rotating non rising stem and handwheel
- Inside screw stem
- Graphite packing
- Brass seat
- Flanges R.F. PN10
- Painting Alkyde RAL 7011 grey color, 90 µm thickness

USE :

- For water, water treatment, heating
- For common liquids of 2nd group
- Min and max Temperature Ts : - 10°C to + 90°C
- Max Pressure Ps : 10 bars

RANGE :

- Globe valve cast iron body flanged R.F. PN10 **Ref. 150** from DN 40 to DN 300

LEAKAGE RATE (WITH WATER AT 20°C) :

DN	Leakage rate (mm³/s)
40	0.4
50	0.5
65	0.65
80	0.80
100	1.00
125	1.25
150	1.50
200	2.00
250	2.50
300	3.00

NUMBER OF CYCLES TO CLOSE OR OPEN THE VALVE :

DN	40	50	65	80	100	125	150	200	250	300
Number of cycles	17.3	20.5	19.3	23.5	29	35.3	33.3	43.6	53.6	65

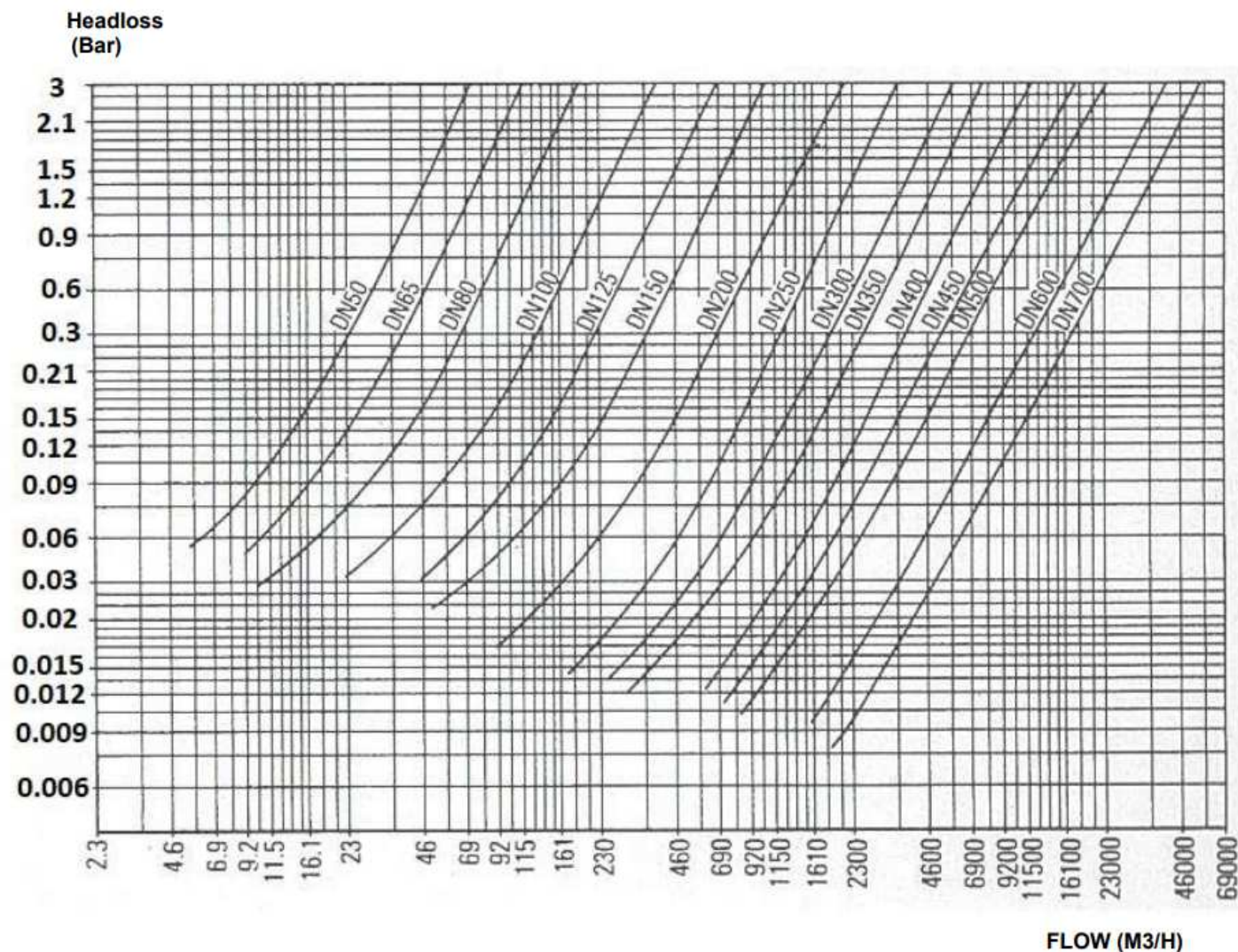
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HEADLOSS GRAPH :

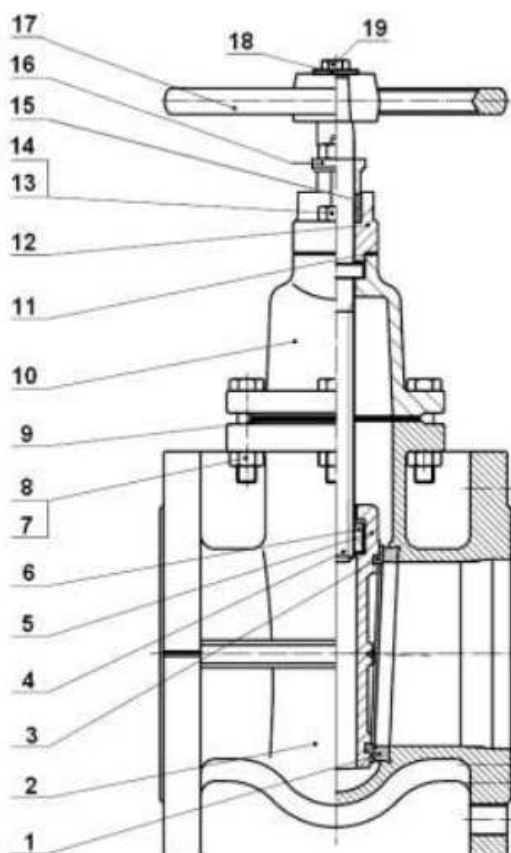


FLOW COEFFICIENT Kv (m³/h) :

DN	50	65	80	100	125	150	200	250	300
Kvs (m ³ /h)	39,1	65,2	104,5	218,5	379,5	613	1150	1955	3121

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MATERIALS :



Item	Designation	Materials
1	Body seat	Brass
2	Body	Cast iron EN GJL-250
3	Wedge seat ring	Brass
4	Stem	AISI 420
5	Wedge disc	Cast iron EN GJL-250
6	Stem nut	Brass
7	Bolt	Steel RSt37-2 (1.0038)
8	Nut	Steel RSt37-2 (1.0038)
9	Bonnet gasket	Graphite
10	Bonnet	Cast iron EN GJL-250
11	Stuffing box gasket	Graphite
12	Stuffing box	Ductile iron EN GJS-500-7
13	Bolt	Steel RSt37-2 (1.0038)
14	Nut	Steel RSt37-2 (1.0038)
15	Packing	Graphite
16	Gland follower	Ductile iron EN GJS-500-7
17	Handwheel	Cast iron EN GJL-250
18	Washer	Steel RSt37-2 (1.0038)
19	Bolt	Steel RSt37-2 (1.0038)

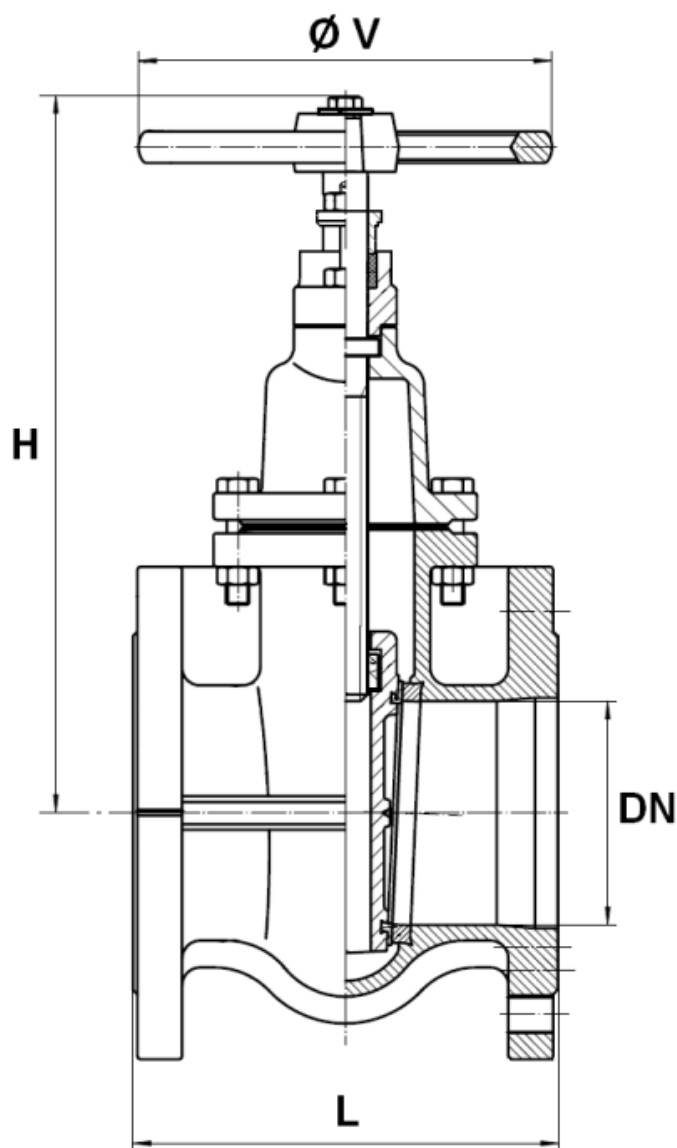
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SIZE (in mm) :

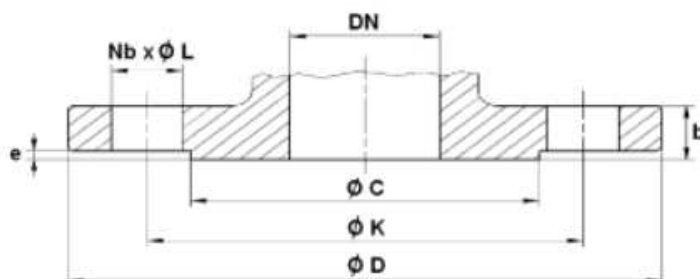


DN	40	50	65	80	100	125	150	200	250	300
L	140	150	170	180	190	200	210	230	250	270
H	245	255	277	304	332	388	455	538	629	730
Ø V	130-160*			150-160*		185-200*		195-250*	225-250*	245-320*
Weight (Kg)	9.3	11.2	14	18.8	25	35.5	47	68	139	160
Ref.	150040	150050	150065	150080	150100	150125	150150	150200	150250	150300

**modification in progress of handwheel diameter*

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FLANGES SIZE (in mm) :



PN	PN10/16							PN10		
DN	40	50	65	80	100	125	150	200	250	300
Ø C	80	102	124	140	158	188	212	268	320	370
Ø D	150	165	185	200	220	250	285	340	395	445
Ø K	110	125	145	160	180	210	240	295	350	400
Nb x Ø L	4 x 19	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	8 x 23	12 x 23	12 x 23
b	16	16	16	17	17	18	20	21	23	24
e	2	2	2	2	2	3	3	3	3	4

STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : For liquids of Group 2
 - Products excluded (article 4, § 3)
- Certificate 3.1 on request
- Pressure tests according to EN 12266-1, leakage rate B
- Length according to EN 558 series 14 (DIN 3202-1 F4)
- Flanged R.F. according to EN 1092-2 PN10
- Designing according to EN 1171

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