



CAST IRON GATE VALVE PN10



Size : DN 40 to DN 300
Ends : Flanges GN10
Min Temperature : - 10°C
Max Temperature : + 90°C
Max Pressure : 10 Bars up to DN150
Specifications : Rotating non rising stem and handwheel
Inside screw stem
Brass seat

Materials : Cast iron body



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SPECIFICATIONS :

- Single wedge disc
- Rotating non rising stem and handwheel
- Inside screw stem
- O ring on stem
- Brass seat
- Flanges R.F. GN10

USE :

- For common fluids
- Min and max Temperature Ts : - 10°C to + 90°C
- Max Pressure Ps : 10 bars up to DN150 and 6 bars from DN200 to DN300

RANGE :

- Cast iron body flanged R.F. GN10 **Ref. 150 from** DN 40 to DN 300



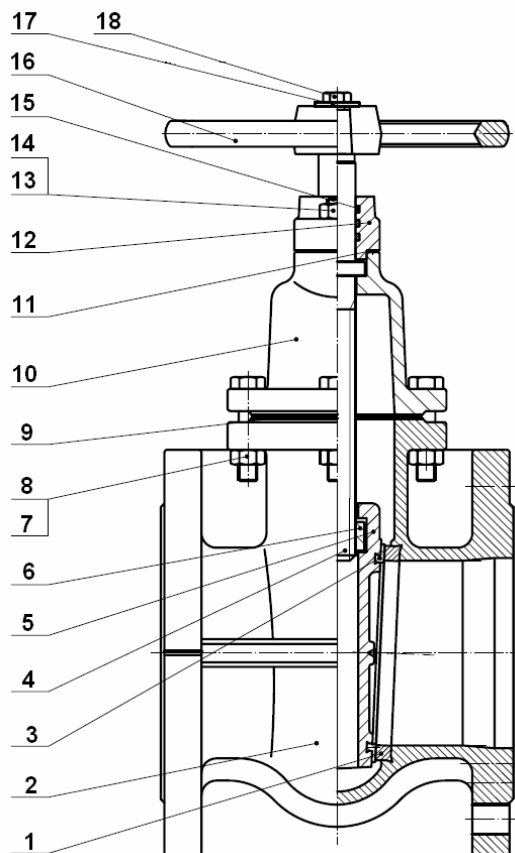
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MATERIALS :



Item	Designation	Materials
1	Body seat	Brass
2	Body	Cast iron EN GJL-250
3	Wedge seat ring	Brass
4	Stem	SS 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	Cast iron EN GJS-500-7
13	Bolt	Steel RSt37-2 (1.0038)
14	Nut	Steel RSt37-2 (1.0038)
15	O ring	NBR
16	Handwheel	Cast iron EN GJL-250
17	Washer	Steel RSt37-2 (1.0038)
18	Bolt	Steel RSt37-2 (1.0038)



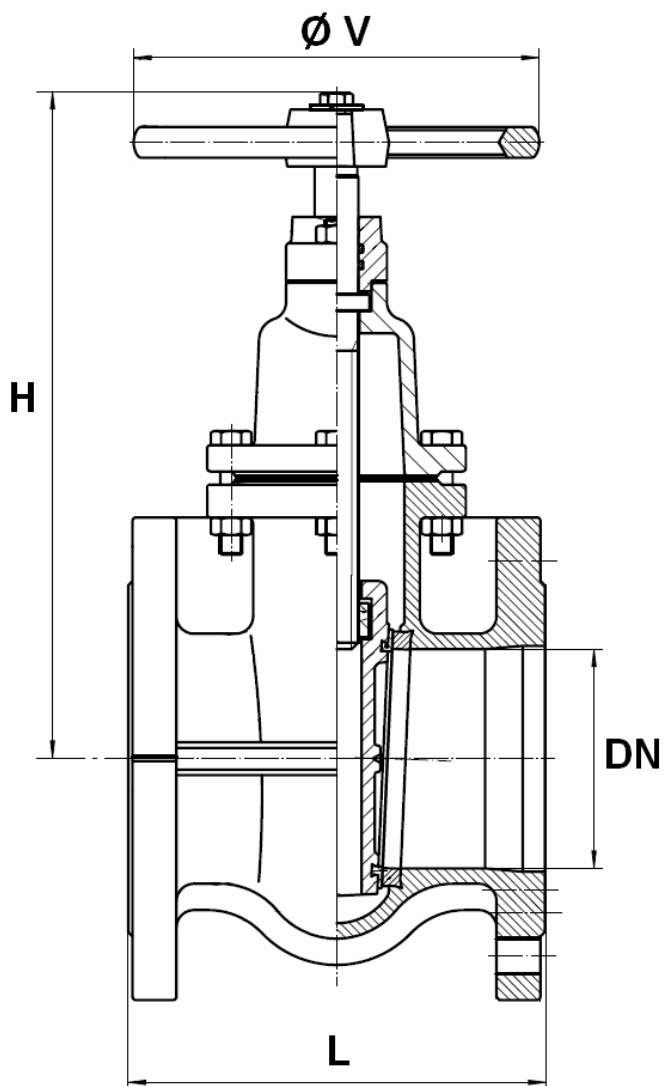
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SIZE (in mm) :



REF.	DN	40	50	65	80	100	125	150	200	250	300
150	L	140	150	170	180	190	200	210	230	250	270
	H	245	255	277	303	340	387	454	538	629	730
	Ø V	130	130	130	150	185	185	195	225	245	285
	Weight (Kg)	8.7	10.8	12.8	16.6	22.75	32.1	42.9	71.3	98	145.2



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STANDARDS :

- Fabrication according to ISO 9001 :2000
- DIRECTIVE 97/23/CE : Products excluded from directive (Article 1, § 3.2)
- Length according to EN 558-1 serie 1 (DIN 3202 F1)
- Flanged R.F. according to EN 1092-2 PN10
- Designing according to DIN 3352



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INSTALLATION INSTRUCTIONS

GENERAL GUIDELINES :

- Ensure that the valves to be used are appropriate for the conditions of the installation (type of fluid, pressure and temperature).
- Be sure to have enough valves to be able to isolate the sections of piping as well as the appropriate equipment for maintenance and repair.
- Ensure that the valves to be installed are of correct strength to be able to support the capacity of their usage.
- **Installation of all circuits should ensure that their function can be automatically tested on a regular basis (at least two times a year).**

INSTALLATION INSTRUCTIONS :

- **Before installing the valves, clean and remove any objects from the pipes** (in particular bits of sealing and metal) which could obstruct and block the valves.
- **Ensure that both connecting pipes either side of the valve (upstream and downstream) are aligned (if they're not, the valves may not work correctly).**
- **Make sure that the two sections of the pipe (upstream and downstream) match, the valve unit will not absorb any gaps. Any distortions in the pipes may affect the tightness of the connection, the working of the valve and can even cause a rupture.** To be sure, place the kit in position to ensure the assembling will work.
- **If sections of piping do not have their final support in place, they should be temporarily fixed. This is to avoid unnecessary strain on the valve.**
- Tighten the bolts in cross.
- It's recommended to operate the valve (open and close) 1 to 2 times per year