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RESILIENT SEAT GATE VALVE ISO PN16



ISO 9001 : 2008



Size : DN 40 to DN 400
Ends : ISO PN10/16 flanges
Min Temperature : - 10°C
Max Temperature : + 110°C with EPDM wedge
Max Pressure : 16 Bars
Specifications : Non rising stem
Clockwise to close
Full and total bore

Materials : Ductile iron body



SPECIFICATIONS :

- Full and total bore
- Stainless steel non rising stem
- Clockwise to close
- Sliding pad (to facilitating the wedge movement) up to DN200
- Ductile iron wedge EPDM or NBR coated
- No retention area
- Heel positioning
- NBR bonnet gasket
- Screws bonnet protected
- 3 NBR O ring on stem
- Possibility to change stem gasket under pressure
- Epoxy painting RAL 5005 color 250 µm thickness
- Dust-coat on stem
- ISO PN10/16 flanges R.F.

USE :

- For water distribution
- Min and max Temperature Ts : - 10°C to + 110°C for ductile iron wedge EPDM coated Ref. 180
- Min and max Temperature Ts : - 10°C to + 70°C for ductile iron wedge NBR coated Ref. 182
- Max pressure PN : 16 bars for ISO PN16 flanged valves up to DN300
- Max pressure PN : 10 bars for ISO PN10 flanged valves from DN200 to 400

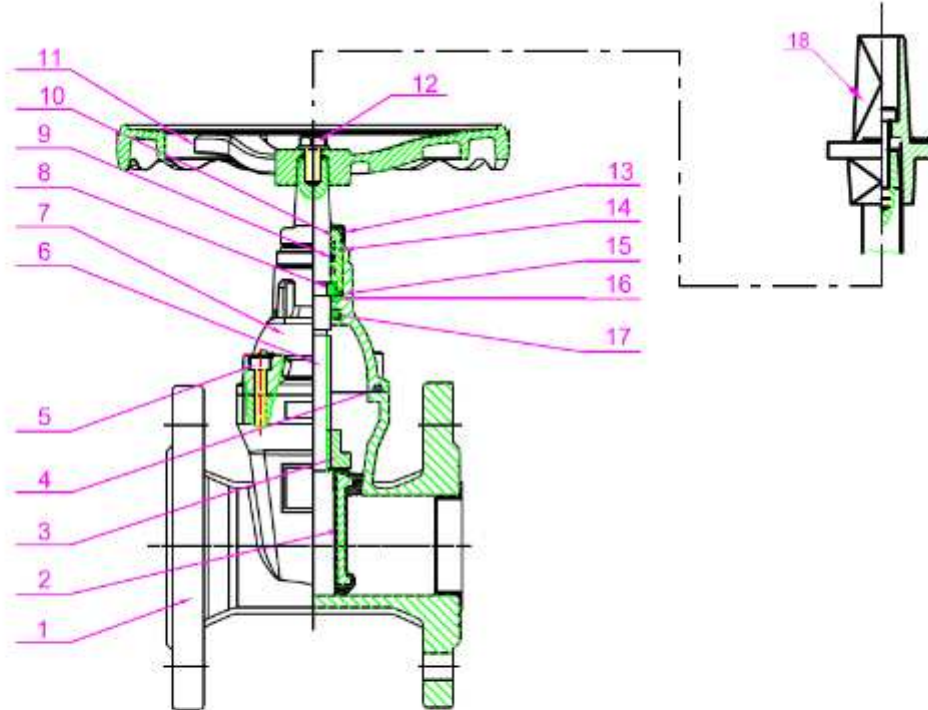
RANGE :

- Ductile iron body with ISO PN10/16 flanges R.F. and handwheel with EPDM wedge Ref. 180 from DN 40 to DN 400
- Ductile iron body with ISO PN10/16 flanges R.F. and handwheel with NBR wedge Ref. 182 from DN 40 to DN 300
- Possible with cap top (option) Ref. 9801831-9801838





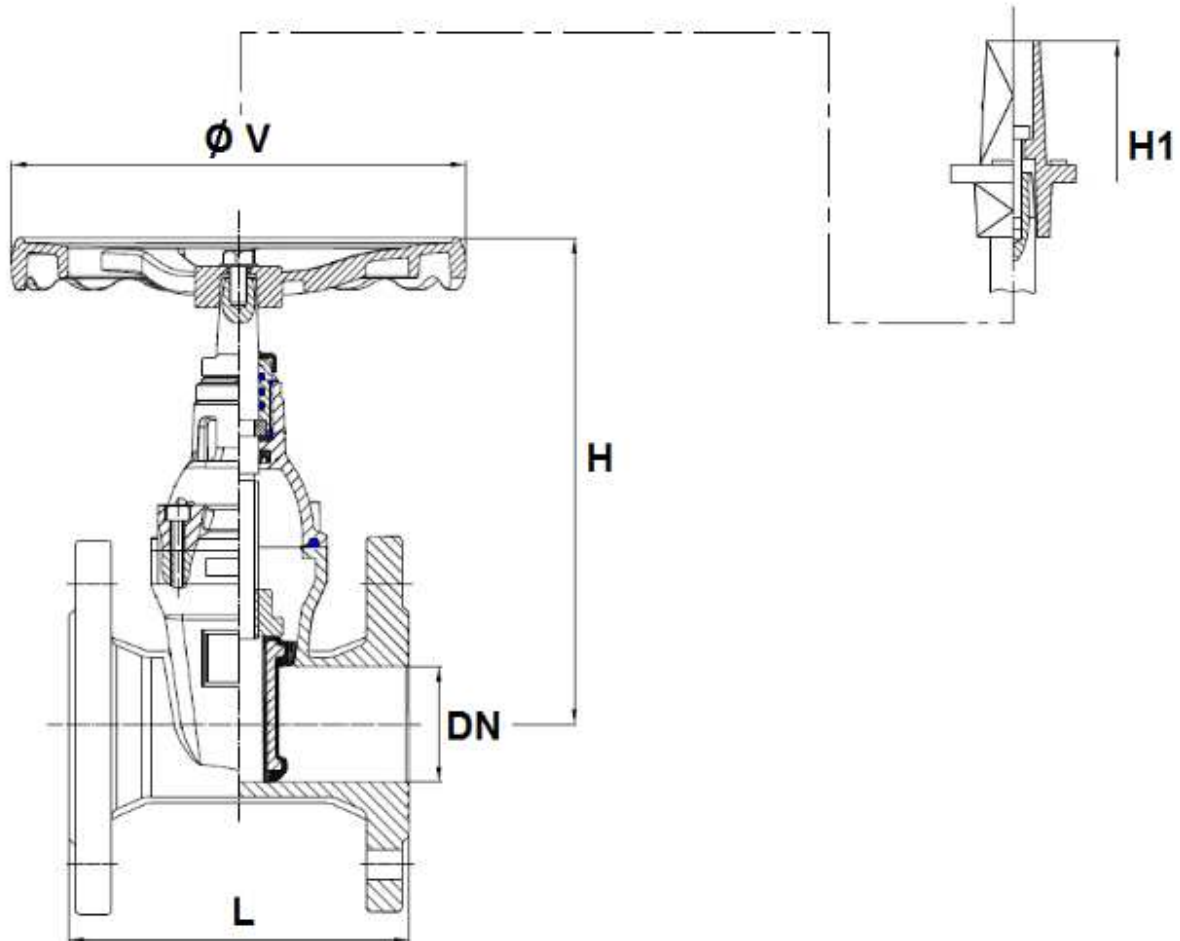
MATERIALS :



Item	Designation	Materials Ref 180	Materials Ref 182
1	Body	Ductile iron EN GJS-500-7	Ductile iron EN GJS-500-7
2	Wedge	Ductile iron EN GJS-500-7 + EPDM	Ductile iron EN GJS-500-7 + NBR
3	Stem nut	Brass CuZn40Pb3	Brass CuZn40Pb3
4	Gasket bonnet	NBR	NBR
5	Bonnet screw	Steel C35	Steel C35
6	Stem	SS 420	SS 420
7	Bonnet	Ductile iron EN GJS-500-7	Ductile iron EN GJS-500-7
8	Holding ring	Brass CuZn39Pb2	Brass CuZn39Pb2
9	O ring	NBR	NBR
10	Pusher nut	Brass CuZn39Pb2	Brass CuZn39Pb2
11	Handwheel	Ductile iron EN GJS-500-7	Ductile iron EN GJS-500-7
12	Handwheel screw	Steel Rst 37-2	Steel Rst 37-2
13	Dust-coat	NBR	NBR
14	O ring	NBR	NBR
15	O ring	NBR	NBR
18	Ring	Nylon 66	Nylon 66
17	Auto sealing ring	NBR	NBR
18	Cap top	Ductile iron EN GJS-500-7	Ductile iron EN GJS-500-7



HANDWHEEL VALVE SIZE (in mm) :



Ref.	DN	40	50	65	80	100	125	150	200	250	300	350	400
180/182	L	140	150	170	180	190	200	210	230	250	270	290	310
	H	190	215	235	265	315	350	385	485	600	680	810	890
	H1	280	285	300	320	390	430	470	560	680	770	900	1000
	Ø V	200	200	200	254	254	315	315	315	406	406	500	500
	Weight (Kg)	7.38	8.83	12.12	13.32	19.65	23.12	32.08	53.9	79.39	107.31	185.82	236



TORQUE VALUES (in Nm without safety coefficient) :

DN	40	50	65	80	100	125	150	200	250	300	350	400
Torque (Nm)	35	40	45	50	55	70	75	100	160	245	350	360

NUMBER OF CYCLES TO CLOSE OR OPEN THE VALVE :

DN	40	50	65	80	100	125	150	200	250	300	350	400
Number of cycles	13	14.5	18.75	21.5	21.5	24.5	30	34	45.25	49.75	55	61

STANDARDS :

- Fabrication according to ISO 9001 :2008
- Designing according to DIN 3352.4, EN 1074-1 and EN 1074-2
- Tests according to EN 1074 and EN 12266
- DIRECTIVE 97/23/CE : Concerned by article 3, § 3
- Length according to EN 558 series 14 (DIN 3202 F4)
- Flanges according to EN 1092-2 PN10/16
- English water agreement WRAS N° 0812501 for the wedge EPDM coated
- Approval certificate Russian GOST-R