

RESILIENT SEAT GATE VALVE PN10/16 SHORT PATTERN DIN 3202-F4 ATC EPDM ACS

Resilient seat gate valve full and total bore for drinking water, water distribution.

Sliding pad to facilitating the wedge movement up to DN200.

3 NBR O ring on stem and NBR bonnet gasket.

Possibility to change stem gasket under pressure from DN80 to DN1000

EN 1074



Certificate

3.1



Size : DN40 to DN300

Connection : Flanges PN10/16

Min Temperature : -10°C

Max Temperature : +70°C

Max Pressure : 16 Bars

Specifications : Non rising stem

Anticlockwise to close (ATC)

Full and total bore

Materials : Ductile iron body EN GJS-500-7

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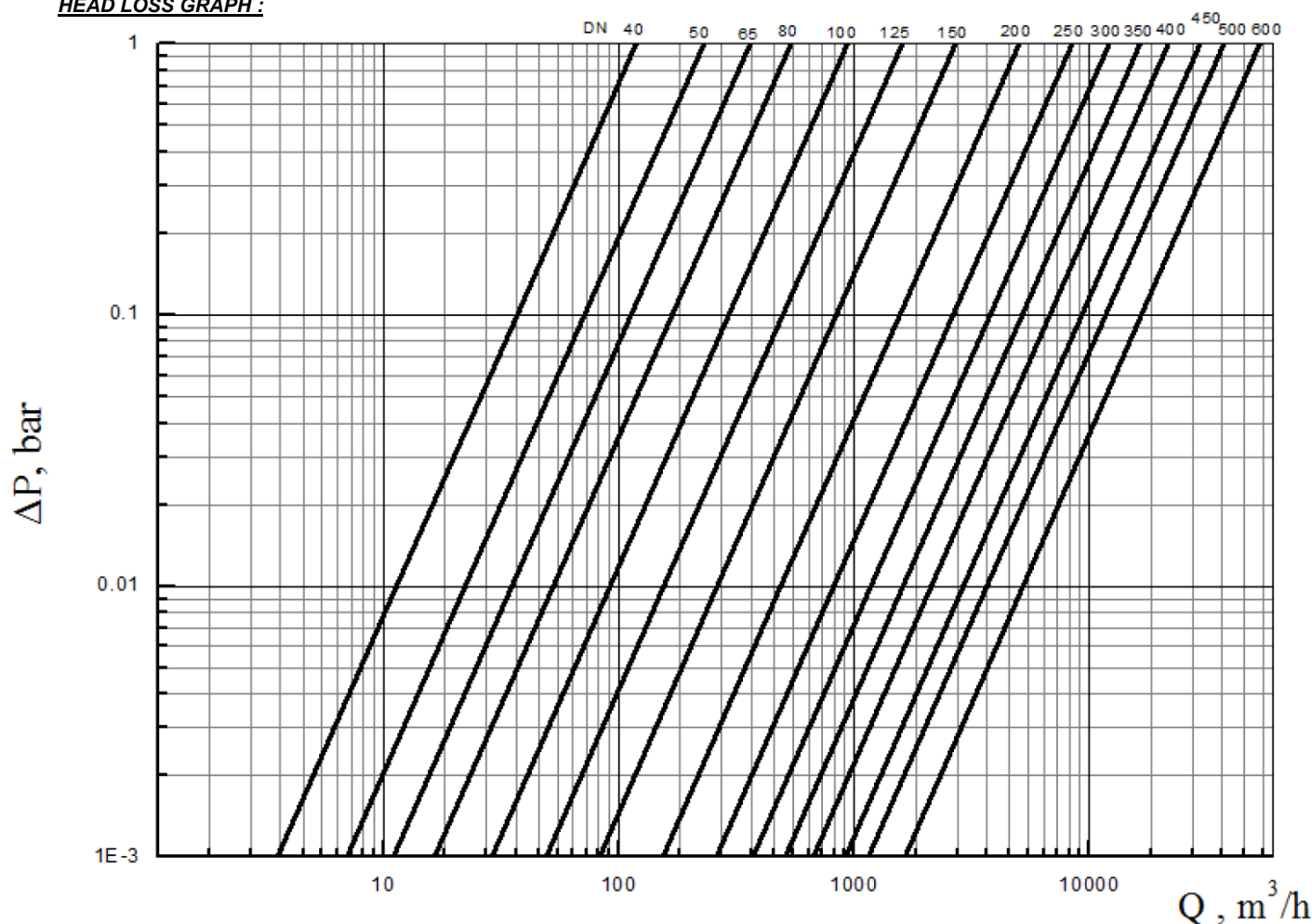
SPECIFICATIONS :

- Full and total bore
- Stainless steel non rising stem
- Anticlockwise to close (ATC)
- Sliding pad (to facilitating the wedge movement) up to DN200
- Ductile iron wedge EPDM ACS
- No retention area
- Heel positioning
- NBR bonnet gasket
- Screws bonnet protected
- 3 NBR O ring on stem
- Possibility to change stem gasket under pressure from DN80 to DN300
- Epoxy painting RAL 5005 color 250 µm thickness
- Dust-coat on stem
- PN10/16 flanges R.F.

USE :

- For water distribution, drinking water
- Min and max Temperature Ts : - 10°C to + 70°C
- Max pressure Ps : 16 bars for PN16 flanged valves
- Max pressure Ps : 10 bars for PN10 flanged valves from DN200 to 300

HEAD LOSS GRAPH :



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FLOW COEFFICIENT Kvs (M3 / h) :

DN	40	50	65	80	100	125	150	200	250	300
Kvs (m3/h)	118	229	360	537	933	1595	2685	5004	8393	12072

HEAD LOSS CALCULATION FOR WATER :

$$\Delta p = (Q / Kvs)^2$$

Q : flow in m³/h

Δp : Head loss in bar

TORQUE VALUE (in Nm without safety coefficient) :

DN	40	50	65	80	100	125	150	200	250	300
Torque (Nm)	15	20	20	30	40	40	75	125	175	200

NUMBER OF CYCLES TO CLOSE OR OPEN THE VALVE :

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

RANGE :

- Ductile iron body with PN10/16 flanges R.F. and handwheel with EPDM ACS wedge **Ref. 191** from DN40 to DN300

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ACCESSORIES :



- Possible with square drive nut (option) **Ref. 9801831-9801838**



- Stem extension 1 meter long **Ref. 9802020** from DN50 to DN300
- Stem extension 1,5 meter long **Ref. 9802042** from DN50 to DN300



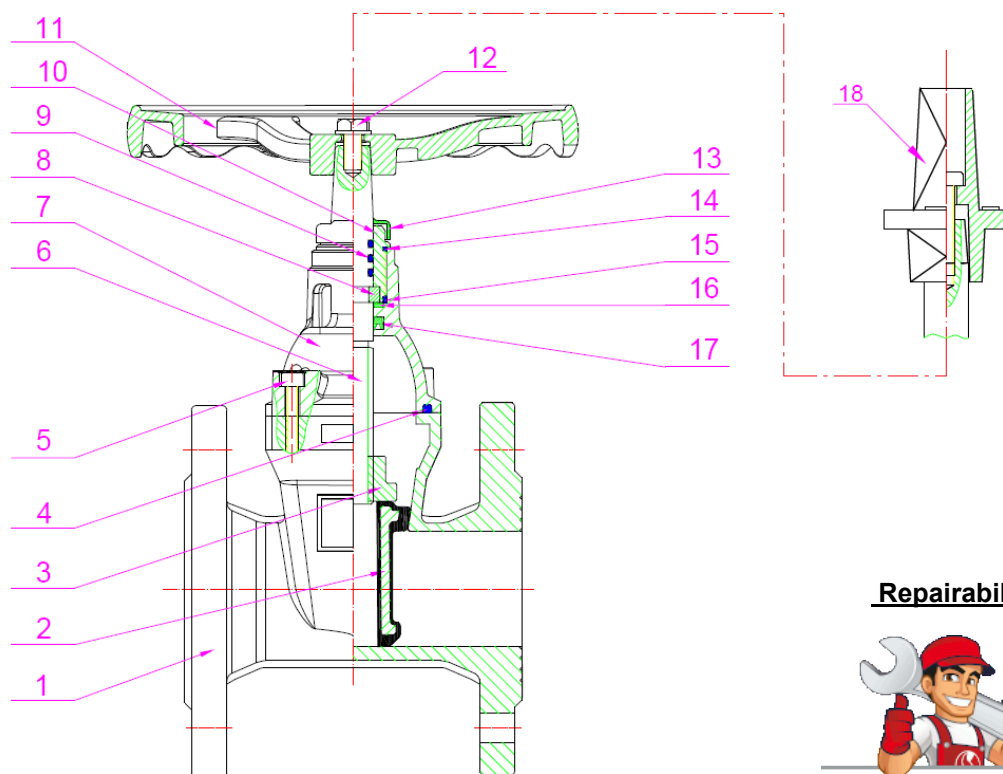
- Stem extension 1,3 to 1,8 meter long **Ref. 9802060** from DN50 to DN200
- Stem extension 2 to 2,5 meter long **Ref. 9802070** from DN50 to DN200



- Tee key
 - 1 meter long square 35 mm **Ref.9802080** from DN50 to DN300
 - 1.8 meter long square 35 mm **Ref.9802081** from DN50 to DN300

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MATERIALS DN40-65 :



Repairability :

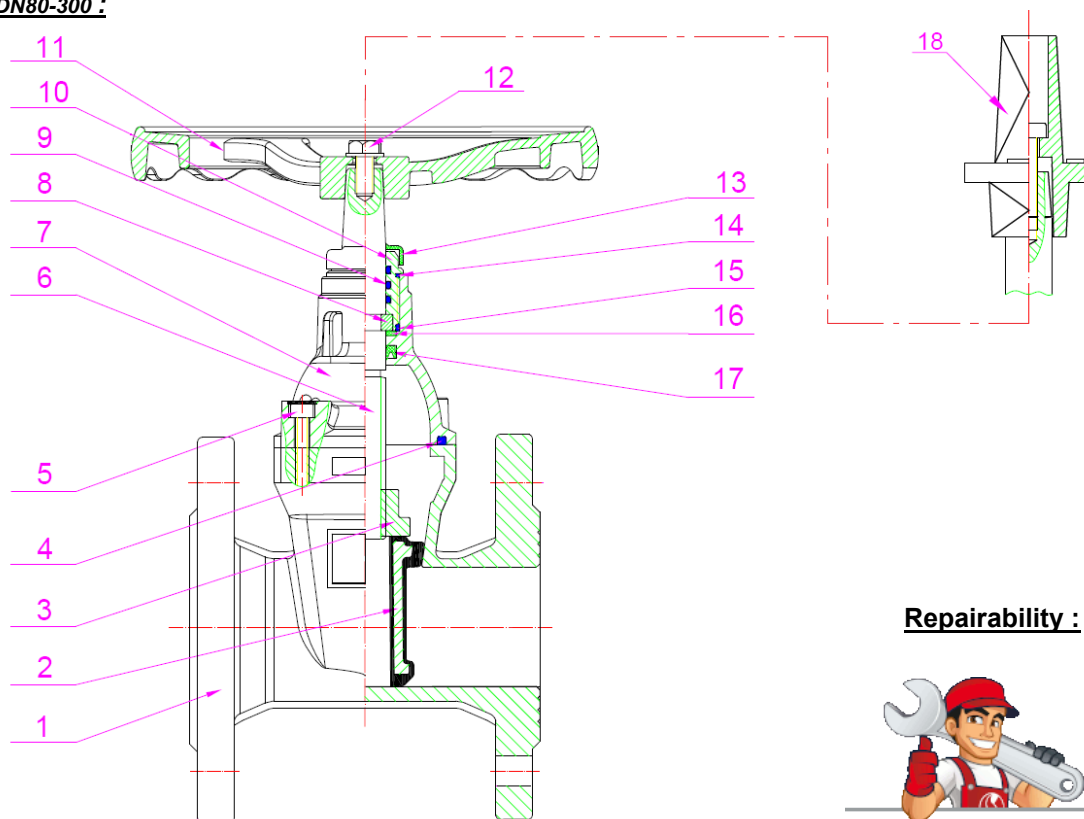


Item	Designation	Materials DN40-65
1	Body	Ductile iron EN GJS-500-7
2	Wedge	Ductile iron EN GJS-500-7 + EPDM
3	Stem nut	Brass CuZn40Pb3
4*	Gasket bonnet	NBR
5	Bonnet screw	AISI 304
6	Stem	AISI 304
7	Bonnet	Ductile iron EN GJS-500-7
8	Holding ring	Brass CuZn39Pb2
9	O ring	NBR
10	Pusher nut	Brass CuZn39Pb2
11	Handwheel	Ductile iron EN GJS-500-7
12	Handwheel screw	AISI 304
13*	Dust-coat	NBR
14	O ring	NBR
15	O ring	NBR
16	Ring	Nylon 66
17	Auto sealing ring	NBR
18	Square drive nut	Ductile iron EN GJS-500-7

*Gaskets refs		
DN (mm)	Bonnet gasket (4)	Dust-coat (13)
40	9801260	9802123
50	9801261	
65	9802162	

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MATERIALS DN80-300 :



Repairability :

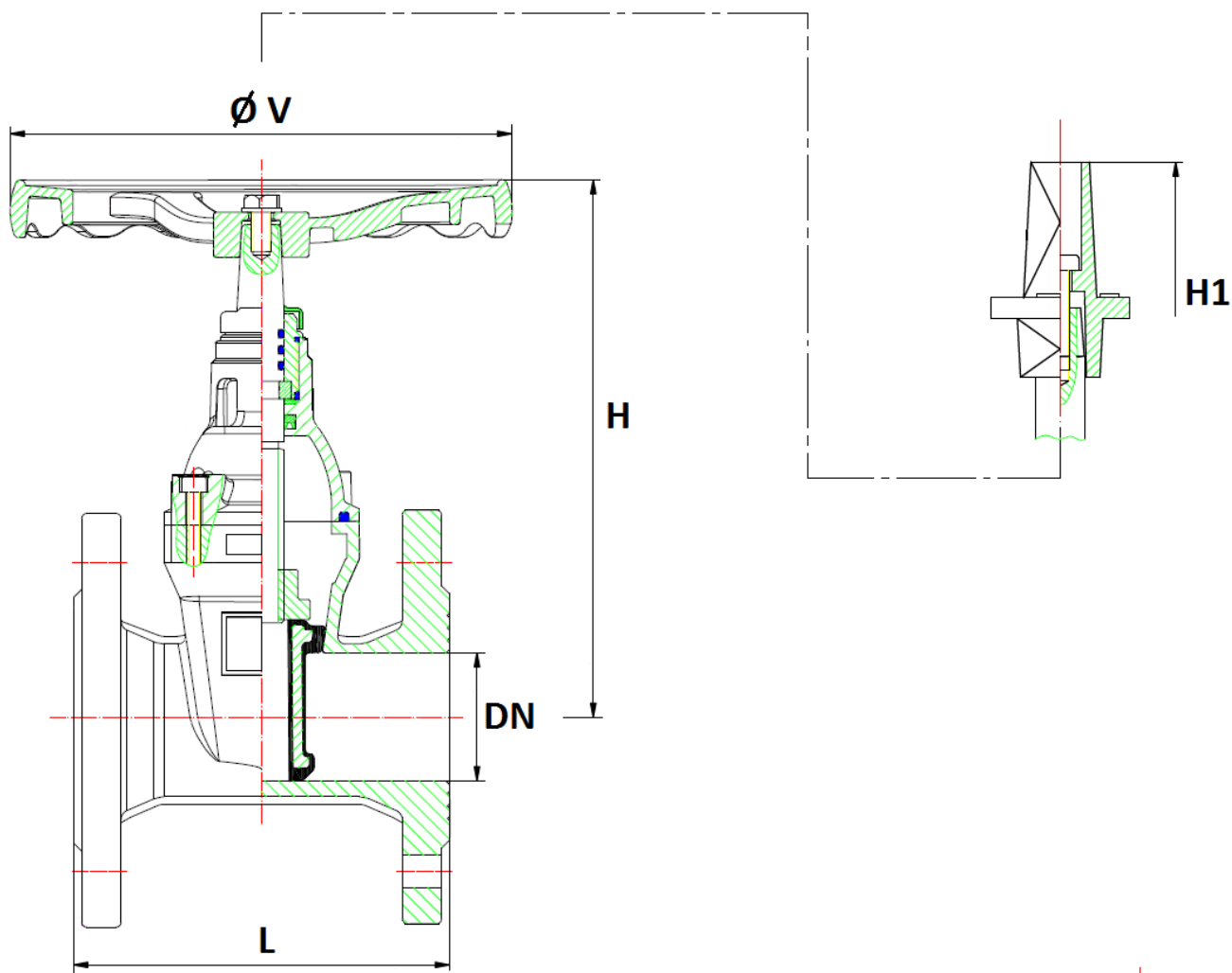


Item	Designation	Materials DN80-300
1	Body	Ductile iron EN GJS-500-7
2	Wedge	Ductile iron EN GJS-500-7 + EPDM
3	Stem nut	Brass CuZn40Pb3
4*	Gasket bonnet	NBR
5	Bonnet screw	AISI 304
6	Stem	AISI 304
7	Bonnet	Ductile iron EN GJS-500-7
8	Holding ring	Brass CuZn39Pb2
9	O ring	NBR
10	Pusher nut	Brass CuZn39Pb2
11	Handwheel	Ductile iron EN GJS-500-7
12	Handwheel screw	AISI 304
13*	Dust-coat	NBR
14	O ring	NBR
15	O ring	NBR
16	Ring	Nylon 66
17	Auto sealing ring	NBR
18	Square drive nut	Ductile iron EN GJS-500-7

*Gaskets refs		
DN (mm)	Bonnet gasket (4)	Dust-coat (13)
80	9802163	9802124
100	9802164	9802125
125	9802165	
150	9802166	
200	9802167	9802126
250	9802168	9802127
300	9802169	9802128

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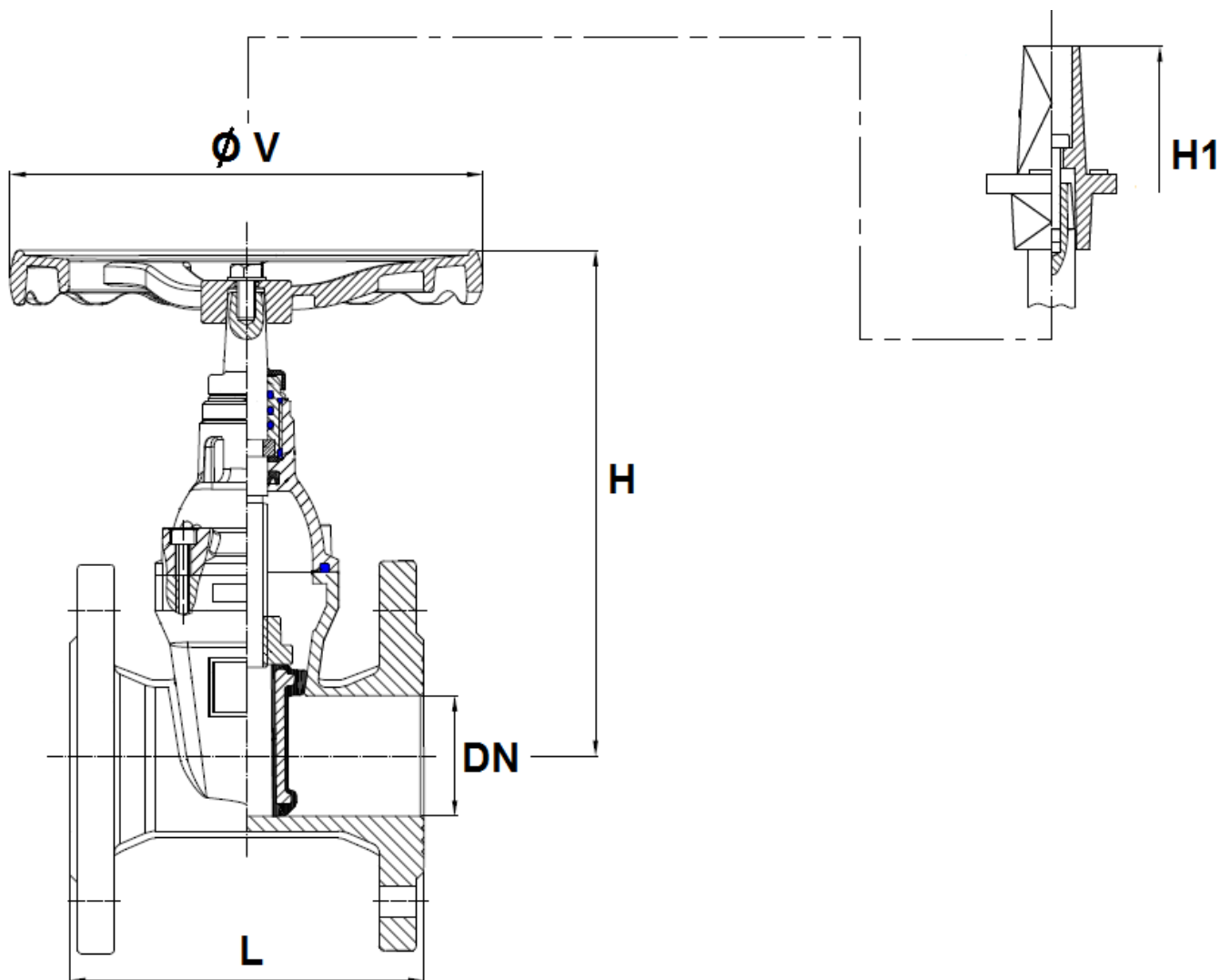
HANDWHEEL VALVE SIZE DN 40 - 65 (in mm) :



DN	40	50	60/65
L	140	150	170
H	190	215	235
H1	260	285	300
Ø V	200	200	200
Weight (in Kg)	7.37	8.56	12
Ref.	191040	191050	191066

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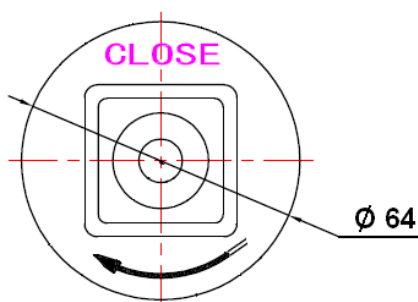
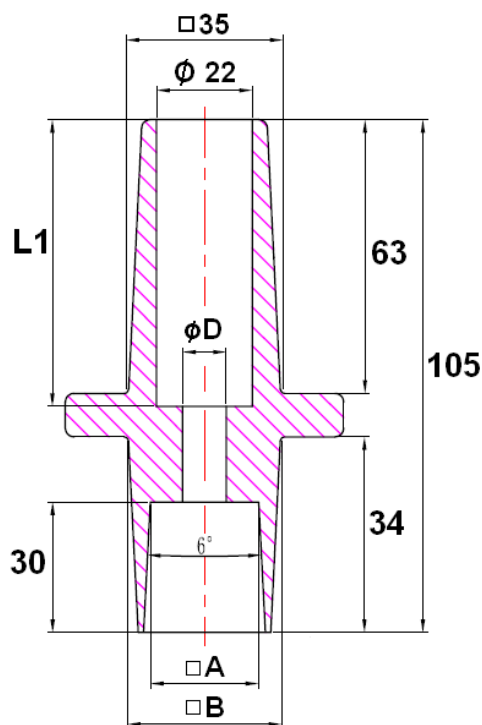
HANDWHEEL VALVE SIZE DN 80 - 300 (in mm) :



DN	80	100	125	150	200	250	300
L	180	190	200	210	230	250	270
H	265	315	350	385	485	600	680
H1	320	390	430	470	560	680	770
Ø V	254	254	315	315	315	406	406
Weight (Kg)	14	19.90	24.20	31.80	49.40	84.70	106
Ref.	191080	191100	191125	191150	191200-201	191250-251	191300-301

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SQUARE DRIVE NUT SIZE (in mm) :

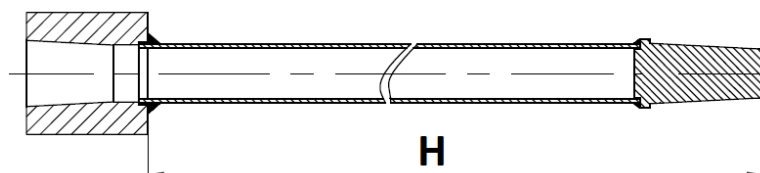


DN	40	50	65	80	100	125	150	200	250	300
A	14	14	14	17	17	19	19	19	24	24
B	34	34	34	34	34	36	36	36	42.5	42.5
L1	66	66	66	63	63	63	63	63	63	63
Ø D	10	10	10	10	10	10	10	10	12	12
Weight (Kg)	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.7
Ref.	9801831	9801831	9801831	9801832	9801832	9801833	9801833	9801833	9801834	9801834

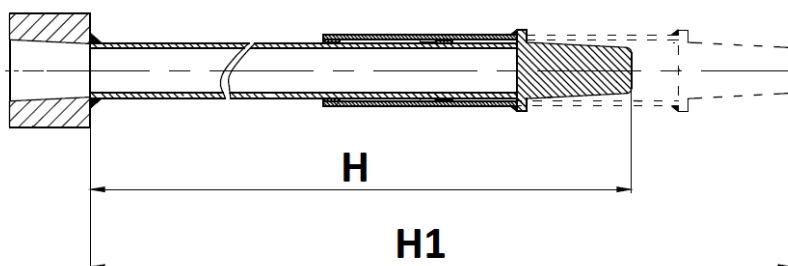
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STEM EXTENSION SIZE (in mm) :

FIXED TYPE



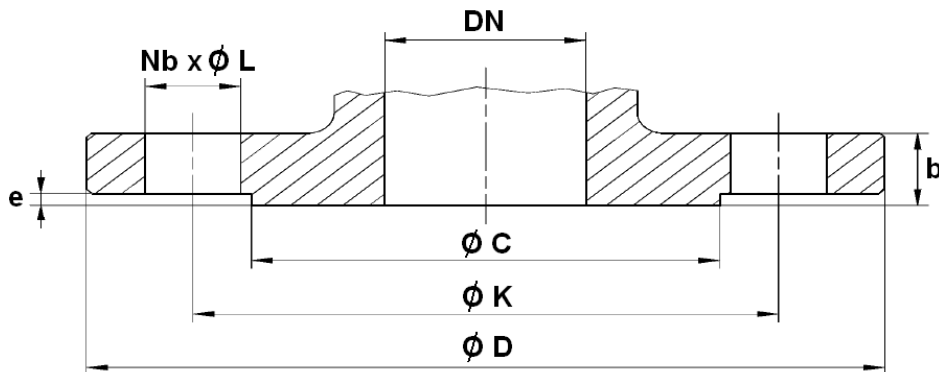
TELESCOPIC TYPE



Ref.	DN	H	H1	Weight (Kg)
9802020	50-300	1000	-	3.7
9802031	50-300	1250	-	4.2
9802042	50-300	1500	-	4.5
9802060	50-200	1300	1800	9.6
9802070	50-200	2000	2500	11.8

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FLANGES PN10/16 SIZE (in mm) :



* DN60/65 double drilling

PN	PN10/16								PN10		
DN	40	50	60/65*	65	80	100	125	150	200	250	300
Ø C	84	99	114	118	132	156	184	211	266	319	370
Ø D	150	165	185	185	200	220	250	285	340	405	460
Ø K	110	125	135/145	145	160	180	210	240	295	350	400
Nb x Ø L	4 x 19	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	19	19	19	19	19	19	19	19	20	22	24.5
e	3	3	3	3	3	3	3	3	3	3	4
Ref.	191040	191050	191066	191065	191080	191100	191125	191150	191200	191250	191300

FLANGES PN16 SIZE (in mm) :

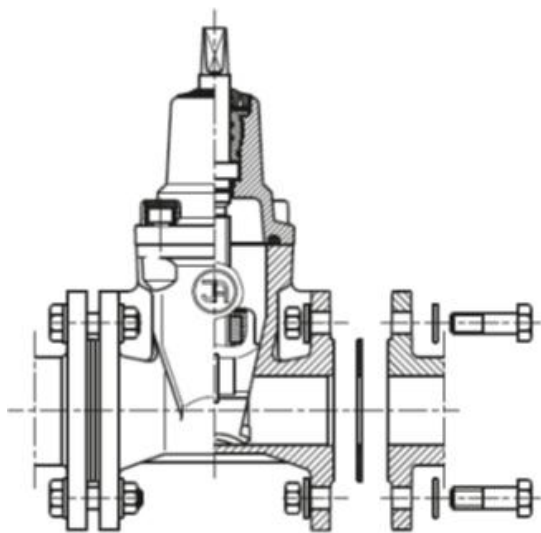
PN	PN16		
DN	200	250	300
Ø C	266	319	370
Ø D	340	405	460
Ø K	295	355	410
Nb x Ø L	12 x 23	12 x 28	12 x 28
b	20	22	24.5
e	3	3	4
Ref.	191201	191251	191301

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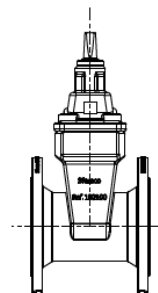
STANDARDS :

- Manufacturer certified ISO 9001 :2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : For liquids of Group 2
 - Products excluded (article 1, § 2b)
- Certificate 3.1 on request
- Designing according to DIN EN 1171
- Pressure tests according to EN 12266-1, Rate A
- Length according to EN 558 series 14 (DIN 3202 F4)
- Flanges according to EN 1092-2 PN10/16
- English water agreement WRAS for the wedge EPDM coated from DN50 to 500
- French water agreement **A.C.S. N° 25 ACC LY 560**

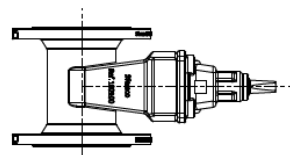
INSTALLATION POSITIONS :



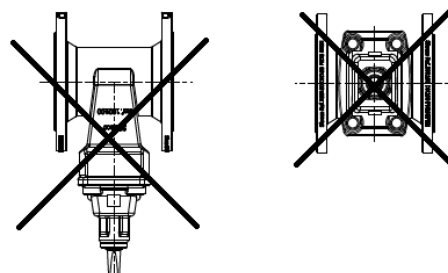
Recommended :



Acceptable :



Non acceptable :



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