Metal seated gate valve PN10/16

54/31
0X2

Metal seated gate valves, designed according to EN 1074 part 1 & 2
Face to face according to EN 558 table 2 basic series 3
Standard flange drilling to EN 1092-2 (ISO 7005-2)

Use:
For water, to max. 70°C

Test:
Hydraulic test to ISO 5208
Seat: 1.1 x PN
Body: 1.5 x PN

Optional extras:
Hand wheel, worm gear .
Marking:
DN, PN, casting no. and body material.

Materials

Body	Ductile iron
Bonnet	Ductile iron
Wedge	Ductile iron
Seat/Face ring	Aluminium bronze
Wiper ring	NBR
Stem	Stainless steel
Pulg	Bronze
Pin	Stainless steel
Bushing	DZR Brass
O-ring	EPDM
Fasteners	Zinc plated mild steel

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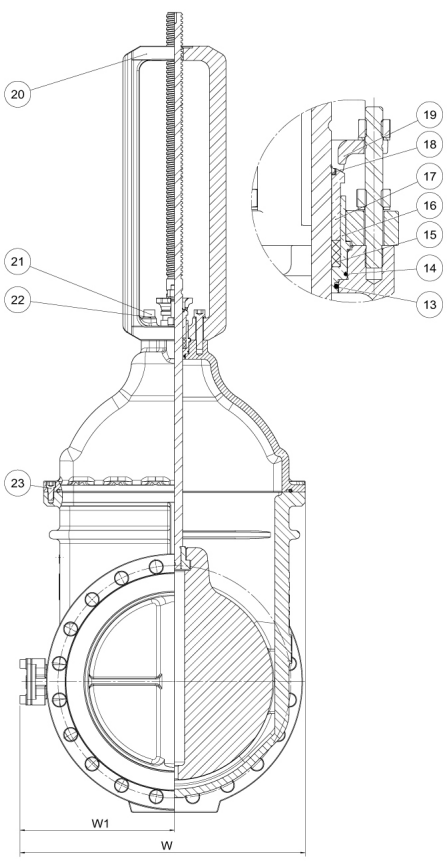
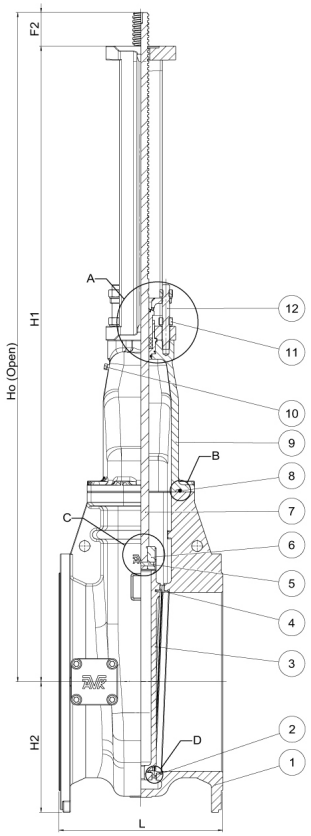
Component list

1. Body
2. Seat ring
3. Wedge
4. Face ring
5. Pin
6. Stem nut
7. Stem
8. O-cord
9. Bonnet
10. Pulg
11. Nut
12. Stud
13. O-ring
14. O-ring
15. Packing
16. Bushing
17. Gland
18. Wiper ring
19. Gland follower
20. Yoke
21. Insex bolt
22. Washer
23. Insex bolt
24. Washer
25. Insex bolt
26. Blaning plate
27. O-ring



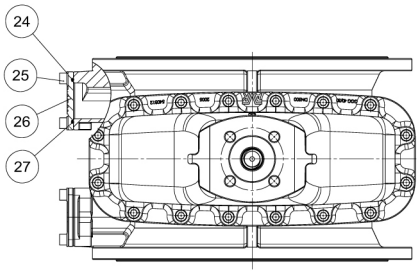


A. Stem sealing
Seal is by conventional stuffing box with ample depth to ensure long life to the PTFE packing. A NBR wiper ring protects against dirt from outside.

B. Body/bonnet connection
The assembly of the valve body and bonnet ensures a durable tightness:
A round rubber bonnet O-cord fits into a recess in the bonnet preventing it from being blown out by pressure surges.

C. Wedge nut
The wedge nut is made of bronze with lubricating abilities providing optimum compatibility with the stainless steel stem.

D. Wedge
The wedge is made from ductile iron with bronze face rings which are machined to a fine surface finish to ensure optimum contact seal with body seat rings.
The wedge face rings are accurately machined and firmly secured to the wedge. The guides in the wedge ensure uniform closure regardless of high pressures.
The wedge has a large through bore housing the stem that ensures no stagnant water or impurities can collect.



Ref.no.	DN	L mm	H1 mm	H2 mm	Ho mm	W mm	W1 mm	F2 mm	ISO	Weight Kgs
54-0350-31-X106100	350	381	1380	265	1852	611	331	94	14	300
54-0400-31-X106100	400	406	1455	295	1980	663	361	94	14	375
54-0450-31-X106100	450	432	1542	325	2118	726	391	94	14	452
54-0500-31-X106100	500	457	1777	365	2398	796	431	94	14	568
54-0600-31-X106100	600	508	1948	430	2666	911	491	94	14	751

X=0 PN10
X=1 PN16