



RADIUS
AEON

BG12/1

RESILIENT SEATED GATE VALVE OPTIVALVE PLUS™ FLANGED END BS WITH VENT PLUG

DN400

Patented dual seal technology, the optimal Resilient Seated Gate Valve provides perfect seal tightness with low torque, minimal number of turns, and full traceability.

Application:



Gas & Biogas and Natural gas lines at medium working pressure and temperature range from -20° to +60°C

Design features

- Fully NBR encapsulated ductile iron wedge
- Very low closing torque with perfectly smooth patented guiding
- Stem packing with three O-Rings, one primary O-Ring seal and one dust seal
- Patented primary seal integrated in the wedge to achieve perfect top seal when valve is opened
- The design is approved for use with hydrogen and a mixture of hydrogen and natural gas up to a working pressure 7 bar

Technical Details

Face to Face in accordance to:
BS 5163 (EN 558-1 Series 3)

Maximum Operating Pressure MOP:
3 bar / PN3

Working temperature:
-20 to +60°C

Construction complies to:
EN 13774 Class 1/2, DIN 3230-5 PG2 or PG3,
GIS/V7-1 Class A/B, TSG D7002-2023

Certyfikaty:
CE (PED 2014/68/UE), DVGW, BSI Kitemark, TSG

Flange Type:
EN 1092-2 PN16
ANSI B16.5 150#RF

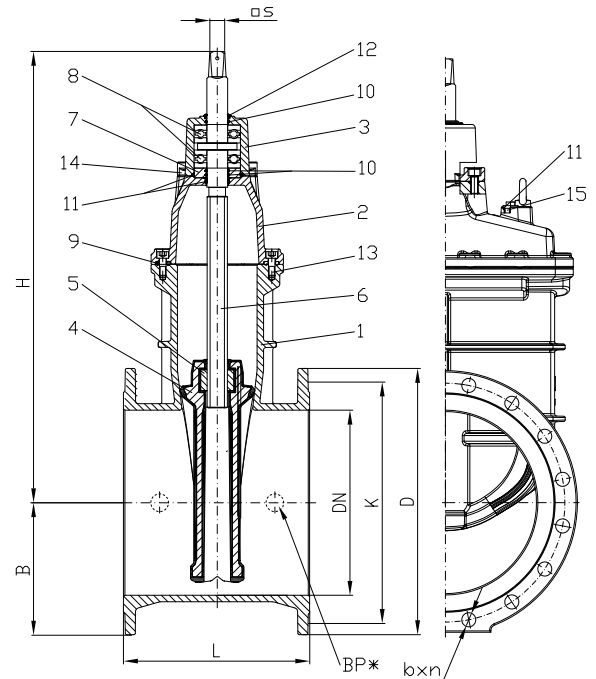
Coating:
250 µm FBE coating, external and internal
PUR available on request:
Internally - 250 µm FBE coating
Externally - polyurethane (PUR) to EN 10290





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No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Gland Housing	Ductile Iron EN-GJS-500-7
4	Wedge	D.I., NBR encapsulated EN-GJS-500-7
5	Wedge Nut	H.T. dezincification resistant Brass
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	H.T. dezincification resistant Brass
8	Rolling Bearing	Component
9	Bonnet Gasket	Elastomer NBR
10	O-ring Seal	Elastomer NBR
11	Gasket	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70
15	Vent Plug	Stainless Steel X20Cr13 / 1.4021 / 420



Notes:

- Lifting eye-bolts for transport is standard
- Pressure point/by-pass bosses cast onto the valve as standard. These can be drilled and plug at our factory if required (BP)

Dimension (mm & kg)

DN		400
BG12/1	PN16	BG4007
	ANSI	BG4010
L		406
H		975
B		285
K EN 1092-2/ANSI B16.5		525 / 539,7
b x n EN 1092-2/ANSI B16.5		31×16 / 28,6×16
D EN 1092-2/ANSI B16.5		595
Stem Top Square		32
Turns to open/close		34 ½ ± ½
Weight		295,7

Notes:

- Clockwise to close