



RADIUS
AEON

BG13/1

RESILIENT SEATED GATE VALVE OPTIVALVEPLUS™ WITH WELDED ENDS

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

- Steel ends for welding into steel pipe system
- Patented double seated integral ductile iron wedge, fully NBR encapsulated
- 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

Maximum Operating Pressure MOP:

16 bar / PN16
(7 bar for double-block-and-bleed - optional)
7 bar when used with Hydrogen gas

Certification:

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

Working temperature:

-10 to +60°C

PCoating:

250 µm FBE coating, external and internal

PUR available on request:

Internally - 250 µm FBE coating
Externally - polyurethane (PUR) to EN 10290

Construction complies to:

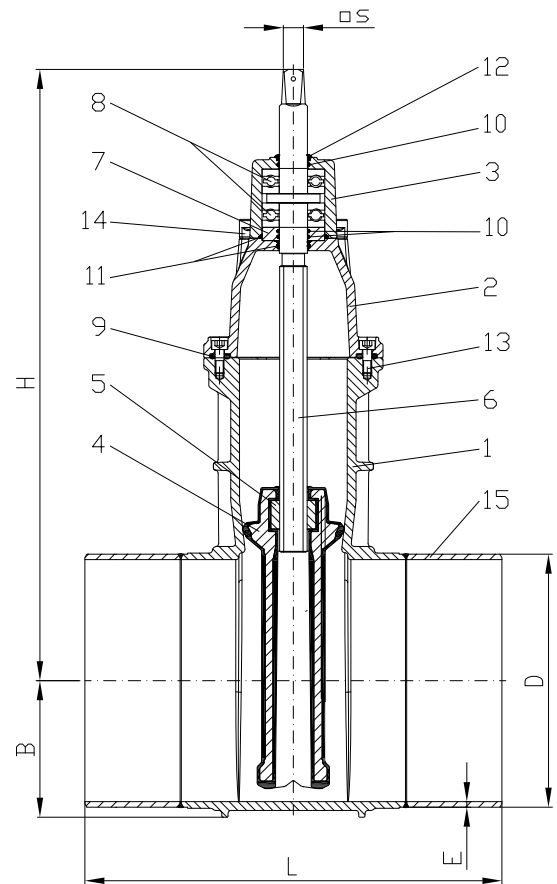
EN 13774 Class 1/2, GIS/V7-1 Class A/B,
TSG D7002-2023





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No	Part Name	Material
1	Body	Cast Steel GS-C25N
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-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminium Bronze
6	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
7	Gland Bush	H.T. dezincification resistant Brass
8	Rolling Bearing	Component
19	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	Steel Connector	Steel pipe P265GH



Dimension (mm & kg)

DN		400
BG13/1	EPOXY POWDER COATING	
	PN16	BG4055
	POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK	
	PN16	BG4060
L*		670
H		975
B		285
D		406,4
E		8,8
Stem Top Square □S		32
Turns to open/close		34 1/2
Weight		276

Notes:

- Clockwise to close