



RADIUS
AEON

BC13/3

RESILIENT SEATED GATE VALVE OPTIVALVEPLUS™ WITH WELDED ENDS

DN500-DN600



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:

-20 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:

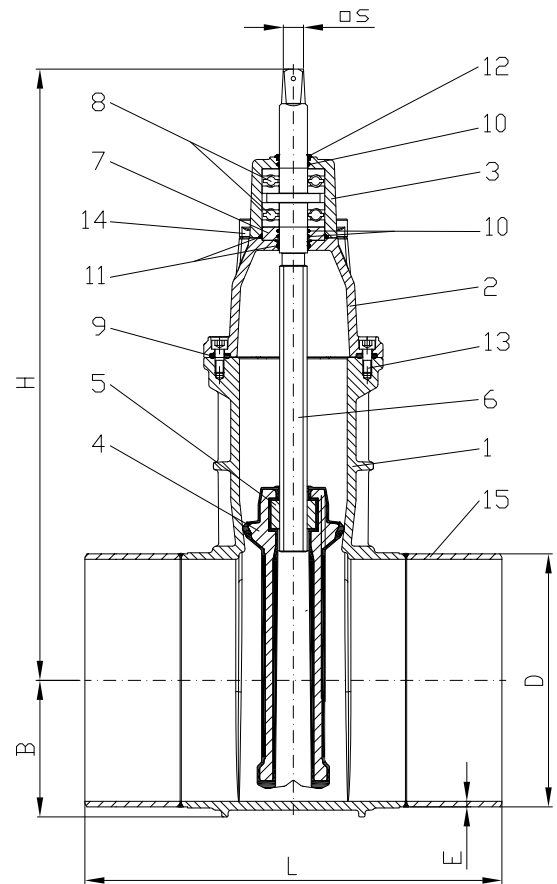
EN 13774 Class 1/2, GIS/V7-1 Class A/B,
TSG D7002-2023





BG13/3

No	Part Name	Material
1	Body	Cast Steel GS-C25N
2	Bonnet	Cast Steel GS-C25N
3	Gland Housing	Cast Steel GS-C25N
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	Rura stalowa S265JR



Dimension (mm & kg)

DN		500		600	
BG13/3	EPOXY POWDER COATING				
	PN16	BG5055	BG5056	BG6055	BG6056
	POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK				
	PN16	BG5057	BG5058	BG6057	BG5058
L*		790		770	
H		1138		1341	
B		277		338	
D		508		610	
E		9,5	11	13	9,5
Stem Top Square □S		32		32	
Turns to open/close		42 ½		51 ½	
Weight		390	400	650	631

Notes:

- Clockwise to close