



RADIUS
AEON

BC14/1

RESILIENT SEATED GATE VALVE STEEL OPTIVALVE PLUS™ WITH PE PIPES 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 +40°C

Design features

- PE tails ends for fusing into PE 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
- Full bore
- Pressure point /by-pass bosses cast onto the valve as standard. These can be drilled and plugged at our factory if required (BP)

Technical Details

Maximum Operating Pressure MOP:

10 bar / PN10
(7 bar for double-block-and-bleed - optional)
7 bar when used with Hydrogen gas

Working temperature:

-20 do +40°C

Construction complies to:

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

Certyfikaty:

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

Connections:

Pipe PE 100 SDR 11
(On request, it can be undercut to SDR17)

Coating:

250 µm FBE coating, external and internal

PUR available on request:

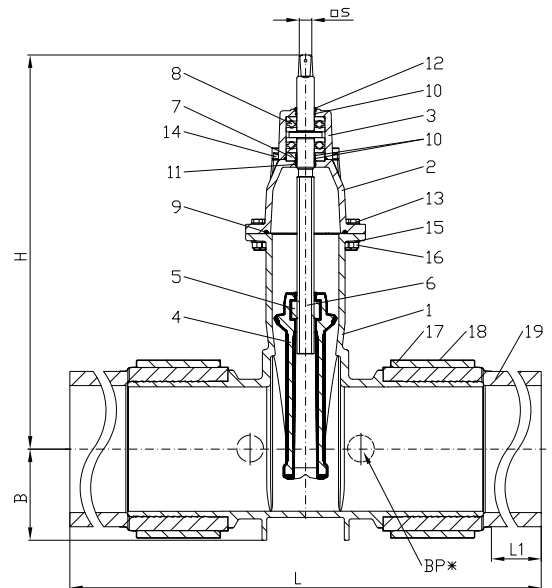
Internally - 250 µm FBE coating
Externally - polyurethane (PUR) to EN 10290





BG14/1

No	Part Name	Material
1	Body	Cast Steel GP240GH / GS-C25N
2	Bonnet	Cast Steel GP240GH / GS-C25N
3	Gland Housing	Cast Steel GP240GH / 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
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	Washer	Stainless Steel A2-70
16	Nut	SStainless Steel A2-70
17	Sleeve	Steel
18	Shrink Hose	Plastic
19	Pipe	PE 100 gas pipes SDR11



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Dimension (mm & kg)

DN		400
D		400
BG14/1	EPOXY POWDER COATING	
	PN10	BG4051
	POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK	
	PN10	BG4066
L *		1760
L1**		400
H		1015
B		235
Stem Top Square □ S		32
Turns to open/close		34 ½
Weight		469

Notes:

- Clockwise to close