



RADIUS
AEON

BG04/1

RESILIENT SEATED GATE VALVE OPTIVALVE PLUS™ WITH PE ENDS

DN50 - DN300



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 seals fully replaceable under pressure
- 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:
10 bar / PN10
(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

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

Working temperature:
-20 to +40°C

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

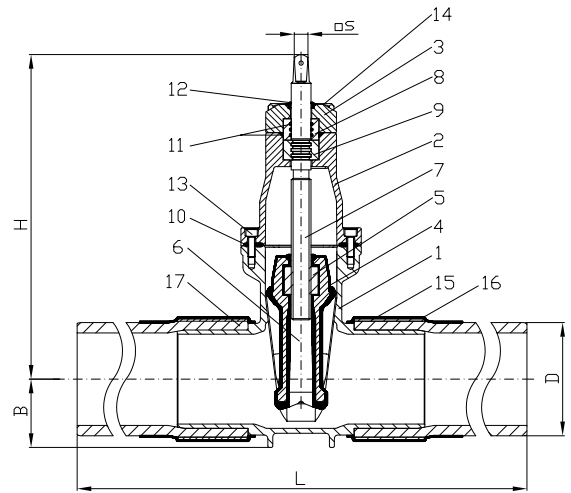
Construction complies to:
EN 13774 Class 1/2, GIS/V7-1 Class A/B,
TSG D7002-2023





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No	Part Name	Material
1	Body	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-400-18/ EN-GJS-500-7
5	Wedge Nut	Aluminium Bronze
6	Guide Shoe	Plastic POM
7	Stem	Stainless Steel X20Cr13 / 1.4021 / 420
8	Gland Bush	Aluminium Bronze
9	Tuleja potrzymująca	Aluminium Bronze
10	Bonnet Gasket	Elastomer NBR
11	O-ring Seal	Elastomer NBR
12	Dust Seal	Elastomer NBR
13	Bonnet Screws	Stainless Steel A2-70
14	Housing Bolts	Stainless Steel A2-70
15	Sleeve	Steel
16	Shrink Hose	Plastic
17	Pipe	PE-RC 100 gas pipes SDR11



- *Na zamówienie możliwość podtoczenie do SDR 17

Dimension (mm & kg)

DN	50	80	100	100	150	150	200	200	250	250	300	
D	63	90	110	125	160	180	200	225	250	280	315	
BG04/1	EPOXY POWDER COATING											
	PN10	BG0551	BG0851	BG1051	BG1052	BG1551	BG1552	BG2051	BG2052	BG2551	BG2552	BG3051
	POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK											
	PN10	BG0566	BG0866	BG1066	BG1067	BG1566	BG1557	BG2066	BG2067	BG2566	BG2567	BG3066
L*	920	920	920	920	950	950	1180	1180	1180	1200	1300	
H	330	317	354	350	459	459	569	569	661	661	756	
B	40	52	62	69	97	97	119	119	147	147	164	
Stem Top Square □S	17	17	19	19	19	19	24	24	27	27	27	
Turns to open/close	7 ½	7 ½	9 ¼	9 ¼	13 ¾	13 ¾	18	18	21 ¾	21 ¾	26 ⅓	
Closing Torque [Nm]	50±10	70±10	80±10	80±10	100±20	100±20	130±20	130±20	180±20	180±20	250±20	
Weight	13,5	18,1	21,9	23,0	44,0	44,5	70,9	70,8	102,0	99,6	157,7	

Notes:

- Clockwise to close