



RADIUS
AEON

BG03/1

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

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 +60°C

Design features

- 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

Face to Face in accordance to:
EN 558-1 Series 15

Maximum Operating Pressure MOP:
7 bar for double-block-and-bleed

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

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

Flange Type:
EN 1092-2 PN10 & PN16

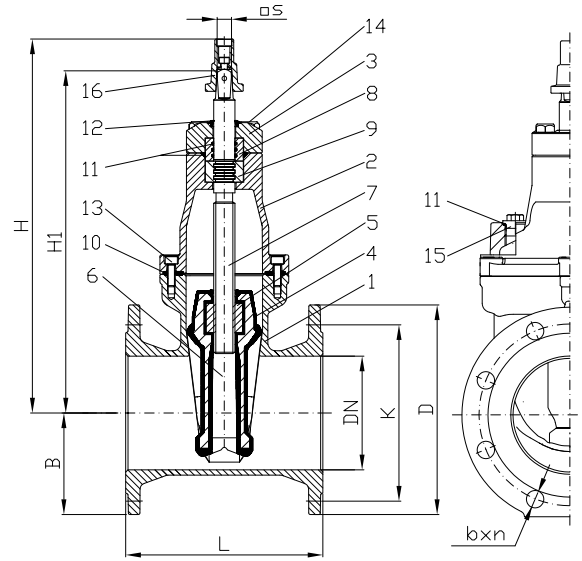
Coating:
250 µm FBE coating, external and internal
PUR available on request:
Internally - 250 µm FBE coating
Externally - polyurethane (PUR) to EN 10290





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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-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	Support Bush	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
16	Vent Plug	Stainless Steel X20Cr13 / 1.4021 / 420
16	Cap-Top	Ductile Iron EN-GJS-500-7



Notes:

- Lifting eye-bolts standard from DN125

Dimension (mm & kg)

DN	50	80	100	150	200	250	300	
BG03/1	EPOXY POWDER COATING							
	PN16	BG0500	BG0807	BG1007	BG1507	BG2007	BG2507	BG3007
	POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK							
	PN16	BG0570	BG0870	BG1070	BG1570	BG2073	BG25673	BG3073
L	178	203	229	267	292	330	356	
H1	330	315	349	454	556	646	727	
H	370	355	389	494	598	690	771	
B	75	95	102	134	165	196	225	
K	125	160	180	240	295	355 / 350	410 / 400	
b x n	19×4	19×8	19×8	23×8	23×12 / 23×8	27×12 / 23×12	27×12 / 23×12	
D	165	200	220	285	340	405	460	
Stem Top Square □S	19	19	19	19	24	27	27	
Turns to open/close	7 ½	7 ½	9 ¼	13 ¾	18	21 ¾	26 ⅓	
Closing Torque [Nm]	50±10	70±10	80±10	100±20	130±20	180±20	200±20	
Weight	19	21,5	24,8	46,2	74	98,3	150	

Notes:

- Clockwise to close