



RADIUS
AEON

BC18/1

RESILIENT SEATED GATE VALVE OPTIVALVE PLUS™ FLANGED END F4

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

- Fully NBR encapsulated ductile iron wedge
- 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

Face to Face in accordance to:
EN 558-1 Series 14

Maximum Operating Pressure MOP:
16 bar / PN16
(7 bar for double-block-and-bleed - optional)
7 bar when used with Hydrogen gas

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

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

Flange Type:
EN 1092-2 PN10 & PN16

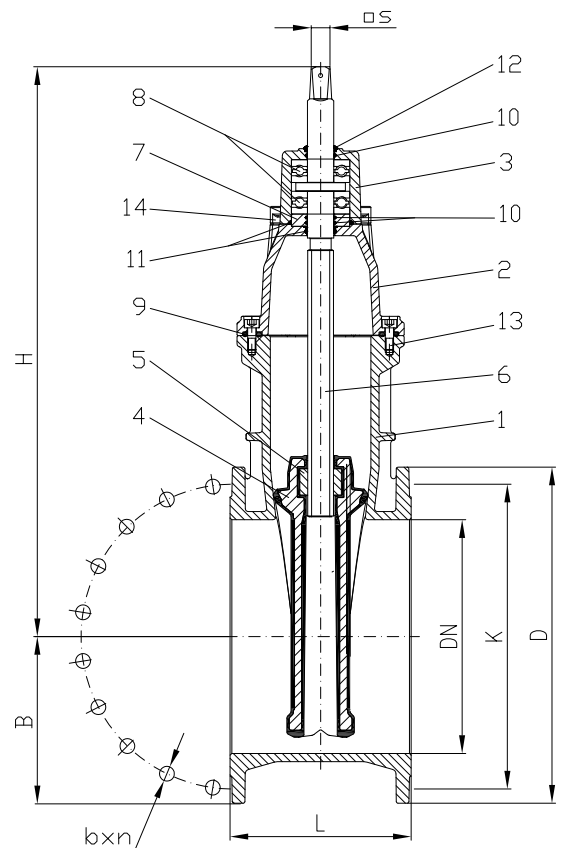
Coating:
250 µm FBE coating, external and internal
PUR available on request:
Internally - 250 µm FBE coating
Externally - polyurethane (PUR) to EN 10290





BG18/1

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	Brąz aluminiowy
6	Stem	Stal nierdzewna 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



Dimension (mm & kg)

DN		500	600
BG18/1	EPOXY POWDER COATING		
	PN16	BG5028	BG6028
	PN10	BG5038	BG6038
	POWDER COATING WITH EPOXY PAINT AND ADDITIONAL LAYER OF POLYURETHANE (PUR) - BLACK		
	PN16	BG5074	BG6074
	PN10	BG5076	BG6076
L		350	390
H		1130	1334
B		350	420
K		650	770
b x n		34×20	37×20
D		715	840
Stem Top Square □S		32	32
Turns to open/close		42 ½	51 ½
Weight		446	661

Notes:

- Clockwise to close