



BG012

RESILIENT SEATED GATE VALVE STEEL GATE VALVE

BS, DN250 - DN300



The Aeon valve gives 100% leak tight performances at low closing torques and is therefore ideally suited for the gas application.

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 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

Face to Face in accordance to:
BS 5163 (EN 558-1 Series 3)

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

Maximum Operating Pressure MOP:
7 bar

Flange Type:
EN 1092-2 PN16
ANSI B16.5 150#RF available on request

Design temperature:
-10 to +85°C

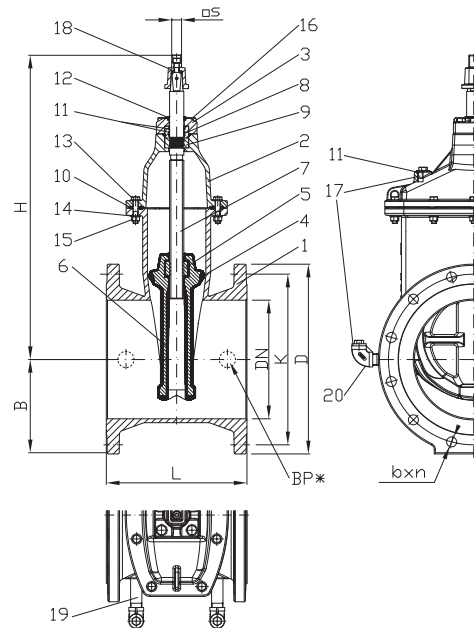
Coating:
Epoxy:
250 µm FBE coating, external and internal
PUR :
Externally - polyurethan (PUR) to EN 10290





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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-500-7
5	Wedge Nut	Aluminium Bronze
6	Guide Shoe	Plastic
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	Washer	Stainless Steel A2-70
15	Nut	Stainless Steel A2-70
16	Housing Bolts	Stainless Steel A2-70
17	Vent Plug	Stainless Steel X20Cr13 / 1.4021 / 420
18	Cap-Top	Ductile Iron EN-GJS-500-7
19	Steel Pipe 3/4"-100	Steel Pipe L360
20	Steel Elbow 90 3/4	Galvanized Cast Iron



Notes:

- Pressure point/by-pass bosses cast onto the valve as standard. These can be drilled and plug at our factory if required (BP)

Dimension (mm & kg)

DN		250	300
BG03	PUR PN16	BG2583	BG3083
L		330	356
H		690	771
B		196	225
K EN 1092-2 PN16 / ANSI B16.5		355 / 362	410 / 431,8
b x n EN 1092-2 PN16 / ANSI B16.5		28×12 / 25,4×12	28×12 / 25,4×12
D EN 1092-2 PN16 / ANSI B16.5		405 / 406,4	460 / 482,6
Stem Top Square		27,3	27,3
Turns to open/close		21 ¼	26 1/3
Weight kg		125	183