



BC12

RESILIENT SEATED GATE VALVE STEEL GATE VALVE

BS, DN400



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)

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

Maximum Operating Pressure MOP:
7 bar

Coating:
250 µm FBE coating, external and internal

Design temperature:
-20 to +85°C

Epoxy:
250 µm FBE coating, external and internal

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

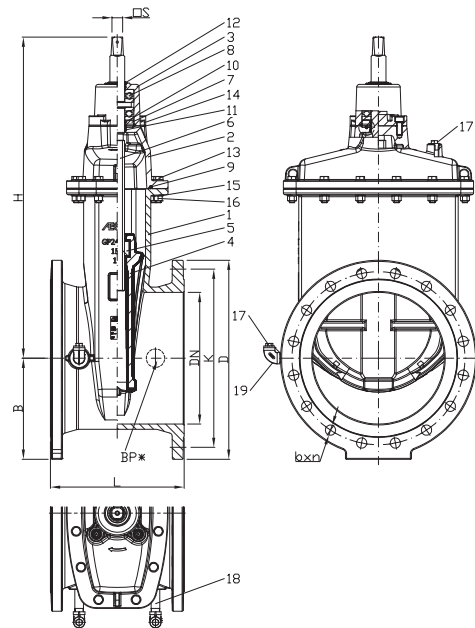
PUR:
Externally - polyurethane (PUR) to EN 10290





BG12

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	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	Stainless Steel A2-70
17	Vent Plug	Stainless Steel X20Cr13 / 1.4021 / 420
18	Steel Pipe 3/4"-100	Steel Pipe L360
19	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		400
BG12	PUR PN16	BG4083
L		406
H		975
B		285
K EN 1092-2 PN16 / ANSI B16.5		525 / 539,7
b x n EN 1092-2 PN16 / ANSI B16.5		28, 6×16 / 31×16
D EN 1092-2 PN16 / ANSI B16.5		595
Stem Top Square		32
Turns to open/close		34 ½ ± ½
Weight kg		329,8