

**AW46/3 RESILIENT SEATED GATE VALVE,
BARE STEM****DN50 - DN300 (EPDM)**

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:

District heating & cooling, Potable water, Irrigation

Design features

- Patented double seated integral ductile iron wedge, fully EPDM encapsulated
- Very low closing torque with perfectly smooth patented guiding
- Three stem seals fully replaceable under pressure
- Patented primary seal integrated in the wedge to achieve perfect top seal when valve is opened. NBR wedge can be supplied for sewage application on request
- Valve available with dimension face to face F4 and F5

Technical Details:

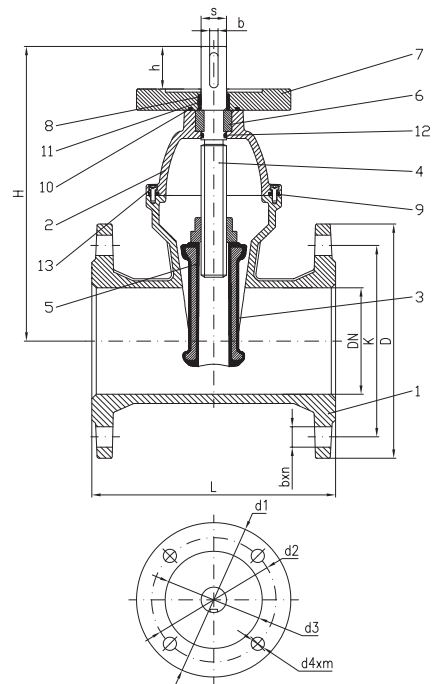
Face to Face in accordance to: BS 5163 (EN 558-1 Series 3)	Certification: WRAS
Maximum working pressure MOP: 16 bar / PN16	Flange type: EN 1092-2 PN16
Working temperature: Maximum +70°C	Marking: Full traceability with bar-code
Construction complies to: BS 5163-1, DIN 3352 part 1&4, EN 1074-1&2	Coating: 300 µm FBE coating, external and internal
Connector type: B3 accordance to EN ISO 5210	Application: Installation for water, potable water and other inert fluids for flow closing





AW46/3

No	Part Name	Material
1	Body	Ductile Iron EN-GJS-500-7
2	Bonnet	Ductile Iron EN-GJS-500-7
3	Disc	D.I., EPDM encapsulated EN-GJS-500-7
4	Stem	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316
5	Stem Nut	Aluminium Bronze
6	Holding Ring	Aluminium Bronze
7	Upper Flange	Ductile Iron EN-GJS-500-7
8	O-ring	Elastomer EPDM
9	Bonnet Gasket	Elastomer EPDM
10	O-ring	Elastomer EPDM
11	Sealing Spacer Sleeve	Nylon 66
12	O-ring	Elastomer EPDM
13	Bonnet Bolts	Stainless Steel X5CrNiMo17-12-2 / 1.4401 / 316



Dimension (mm & kg)

DN		50	65	80	100	125	150	250	250	300
AW46/3	PN10	AM6000	AM6001	AM6002	AM6003	AM6004	AM6005	AM6026	AM6027	AM6028
	PN16							AM6006	AM6007	AM6008
L		178	190	203	229	254	267	292	330	356
H		200	240	250	290	328	370	475	565	660
h		40	40	40	40	40	40	45	45	45
K PN10 / PN16		125	145	160	180	210	240	295	355 / 350	410 / 400
b x n PN10 / PN16		19×4	19×4	19×8	19×8	19×8	23×8	23×12 / 23×8	28×12 / 23×12	28×12 / 23×12
D		165	185	200	220	250	285	340	405	460
d1		125	125	125	125	125	125	175	175	175
d2		102	102	102	102	102	102	140	140	140
d3		71	71	71	71	71	71	101	101	101
d4 x m		12×4	12×4	12×4	12×4	12×4	12×4	18×4	18×4	18×4
ISO 5210		F10	F10	F10	F10	F10	F10	F14	F14	F14
b		8	8	8	8	8	8	10	10	10
S		18	21	21	24	25,8	25,8	32	34	34
Closing torque* [Nm]		35	40	50	60	80	100	160	220	280
Turn to close/open		7	9	11	11	13	16	18	21	26
Weight	PN10	8,6	11,4	13,2	19,2	23	30,7	51,5	82,5	112,5
	PN16							49,9	80	110,1

* Closing torque without safety factor