

INTEGRAL BYPASS GATE VALVE

DUCTILE IRON, GRP, STEEL, PVC & POLYETHYLENE PIPELINE SYSTEMS



Clover resilient seated integral bypass gate valves comply with AS2638.2 for pipeline isolation use in above and below ground pressure water supply and sewerage applications.

Features

Bypass valves are used during the pipeline filling process to reduce the risk of damage to components and to equalize downstream pressure and reducing operating torque. High strength and impact resistant body manufactured from ductile iron and EPDM encapsulated gate. Full bore design eliminates any potential debris build up.

Integral bypass valves provide a compact footprint and faster installation reducing installation costs.

Thermally bonded polymeric coating for long life corrosion protection.

Applications

Suitable for above and below ground pressure water supply and sewerage applications..

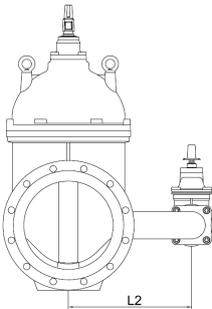
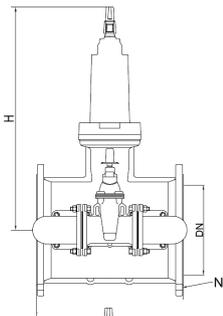
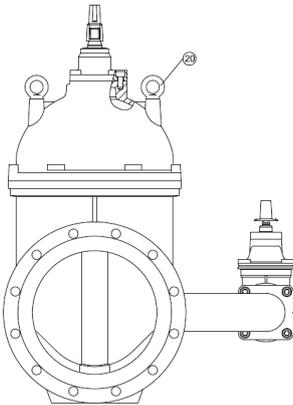
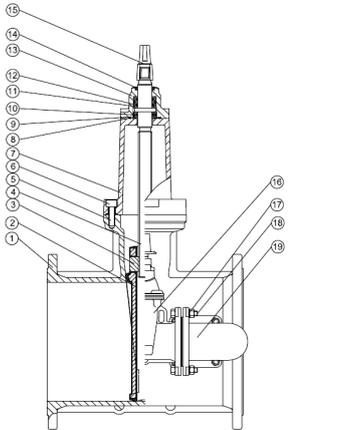
Technical Data

Size Range:	DN375 x 100 DN450 x 100 DN600 x 150
Allowable Operating Pressure:	1600kPa
Maximum Temperature:	40°
Connections:	AS4087 Fig. B5 Flange (Others on request)
Mounting Flange:	ISO5211 gearbox and/or actuation mounting
Certifications:	AS 2638.2 AS/NZS 4020 Product License OMK25731 WSAA Appraisal PA11/21

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Components



Item	Part Name	Material
1	Body	Ductile Iron AS1831 Fusion Coat AS4158
2	Gate	Ductile Iron AS1831 EPDM Encapsulated
3	Stem Nut	Aluminium Bronze C95210
4	Spindle	SS ASTM A276
5	Body Gasket	EPDM AS1646
6	Bonnet	Ductile Iron AS1831 Fusion Coat AS4158
7	Body Bolt	SS ASTM A276
8	O'Ring	NBR AS1646
9	Thrust Collar	DZR C48600 AS1568
10	Bonnet Bolt	SS ASTM A276
11	Thrust Collar	DZR C48600 AS1568
12	O'Ring	NBR AS1646
13	Seal Retainer	Ductile Iron AS1831 Fusion Coat AS4158
14	Dustproof Cover	EPDM AS1646
15	Key Cap	Ductile Iron AS1831
16	Bypass Valve	According to AS2638.2
17	Nut & Washer	SS ASTM A276
18	Bolts	SS ASTM A276
19	Elbow	Ductile Iron AS1831
20	Eyebolt	Galvanised Carbon Steel

Specifications

DN	Bypass	H	L	L2	N	PCD	Turns	Kg	ACC	CC
375	100	935	610	516	12x26	495	55	275	VGFFB375	VGFFB375C
450	100	1080	650	555	12x26	584	58	565	VGFFB450	VGFFB450C
600	150	1345	785	835	16x30	756	68	830	VGFFB600	VGFFB600C

All dimensions are quoted in millimetres.

Valve and bypass valve are supplied with standard key cap fitted.

Hand wheels, gearboxes, actuation, keys and spindle extensions available for all valves.

Contact Clover for information on additional sizes not shown on this data sheets.