



MF 2006 Metal Seated Gate Valve

DN50 – 300, PN16

The MF 2006 meets the requirements of BS 5163. Its lightweight design constructed in ductile iron offers a robust and durable valve. Suitable for dirty water and sewerage duties and buried service.



Main features

- Ductile iron construction provides high strength to weight ratio
- Efficient operation after long periods of non-use in either open or closed positions
- Stem 'O' ring seal arrangement suitable for replacement under pressure
- Full clear bore for optimum flow
- Self cleaning body and wedge ring seat faces
- Integral cast feet offer ease of storage and installation
- Wedge wing guide operating in body channel ensures valve is seated accurately
- Bronze body rings and wedge seat rings for maximum durability and corrosion resistance
- Blue fusion bonded epoxy coating in accordance with BS EN 14901
- High tensile stainless steel stem ensures strength and corrosion resistance
- All fasteners stainless steel as standard
- Bolting sealed with wax for added corrosion resistance
- Dovetail ring retention system ensures long life

Options available

- Cap top operated
- Handwheel operated
- ISO flange mounted to suit gearbox or actuator operation

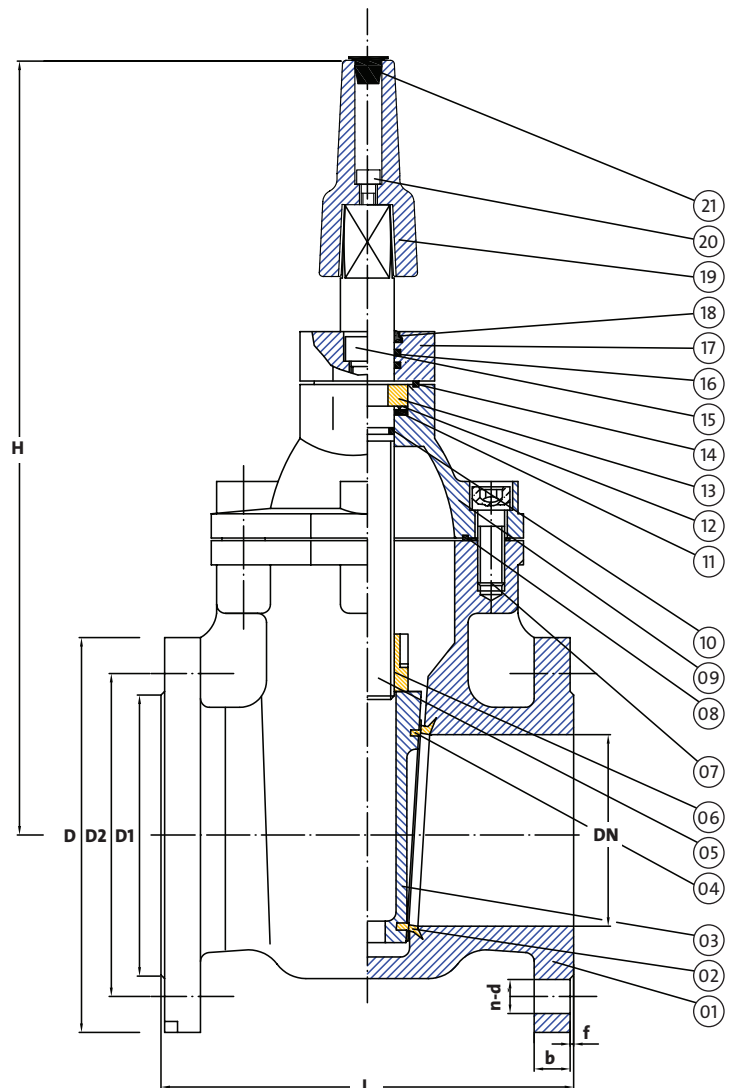
Technical Features

Technical information

- Fully compliant to BS 5163
- Maximum operating temperature 70°C

Materials

Item	Description	Material	Standard
01	Body	Ductile iron	BS EN 1563:1997 EN-GJS-500-7
02	Body sealing	Copper alloy	BS EN 1982:CC 491K
03	Wedge	Ductile iron	BS EN 1563:1997 EN-GJS-500-7
04	Wedge sealing	Copper alloy	BS EN 1982:CC 491K
05	Stem	Stainless steel	BS EN 10088-1.1.4057
06	Stem nut	Copper alloy	BS EN 1982:CC 331G
07	Socket head cap screw	Stainless steel Gr. A2-70	BS 4168
08	Gasket	NBR	BS 2494
09	Bonnet	Ductile iron	BS EN 1563:1997 EN-GJS-500-7
10	'O' ring	NBR	BS 2494
11	Back seat	NBR	BS 2494
12	Washer	Stainless steel	BS EN 10088-1.1.4301
13	Bearing	Copper alloy	BS EN 1982:CC 331G
14	'O' ring	NBR	BS 2494
15	Socket head cap screw	Stainless steel Gr. A2-70	BS 4168
16	'O' ring	NBR	BS 2494
17	Gland	Ductile iron	BS EN 1563:1997 EN-GJS-500-7
18	Dust-proof cover	NBR	BS 2494
19	Cap	Ductile iron	BS EN 1563:1997 EN-GJS-500-7
20	Hexagon head set screw	Stainless steel Gr. A2-70	BS 3692
21	Plug	EPDM	BS EN 681-1



- This valve is designed and manufactured according to BS 5163:2004
- Working pressure: 16 bar
- Shell test pressure: 24 bar
- Seat test pressure: 18 bar
- Working temperature: <70°C
- Media: raw water and sewage

Dimensions

DN	L	H	D	D1	D2	n-d	b	f	Weight	Handwheel diameter
50	178	326	165	98	125	4-19	19	3	14	300
80	203	386	200	132	160	8-19	19	3	22	300
100	229	420	220	156	180	8-19	19	3	28	300
150	267	517	285	211	240	8-23	19	3	49	300
200	292	604	340	266	295	12-23	20	3	81	400
250	330	705	405	319	355	12-28	22	3	116	400
300	356	785	460	370	410	12-28	24.5	4	185	400

Dimensions in mm. Weight in kg. Flanges in accordance with BS EN 1092-2.

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