



BLAZE

OS&Y Metal Seated Gate Valve

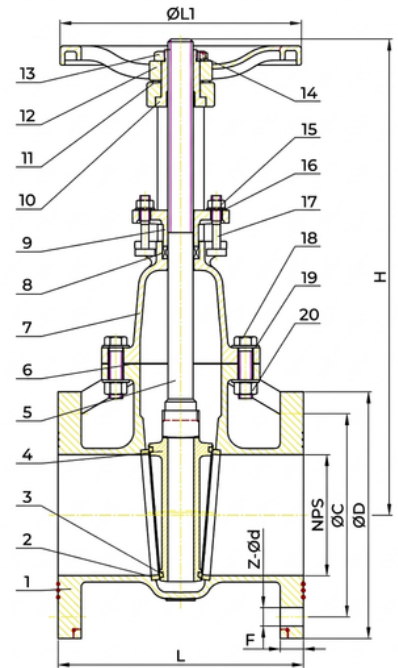
Model : BT 1407

Description:

The BT 1407 OS&Y Metal Seated Gate Valve is a robust isolation valve designed for water supply, wastewater and industrial applications. Featuring a Rising Stem (OS&Y) and durable metal-to-metal seating, it provides reliable shut-off and excellent wear resistance in demanding service conditions. Designed in accordance with BS 5150, the valve incorporates a full-bore design to minimize pressure loss, an epoxy blue coating (RAL 5015) for corrosion protection, and PN 16 flanged connections for easy installation. Suitable for both aboveground and underground applications, it is available with manual or actuator operation for flexible system integration.

Specifications :

Size	2" to 12" (DN50 to DN300)
Working Pressure	233 psi (16 Bar)
Design Standard	BS 5150
End Connection	BS EN 1092-2 PN 16
Temperature Range	0° C to 80°C (32°F to 176°F)
Coating	Fusion Bonded Epoxy (FBE), RAL 5015 (Blue)
Wedge	Ductile-Iron Wedge, EPDM Encapsulated.



Applications :

- Water Distribution & Transmission Lines
- Wastewater & Treated Water Systems
- Industrial & Utility Piping Networks
- Fire Protection Systems (where metal seats are preferred)
- Pump Stations & Valve Chambers
- Municipal Infrastructure Requiring Visible Valve Status

Dimensions:

Order Code	DN	Inch	ØD (mm)	ØC (mm)	Z-Ød	L (mm)	ØL1 (mm)	H (Closed) (mm)	F (mm)
BT-1407-050-RF	50	2"	150	120.7	4-Ø19	178	160	275	14
BT-1407-065-RF	65	2 ½"	180	139.7	4-Ø19	190	160	304	15.5
BT-1407-080-RF	80	3"	190	152.4	4-Ø19	203	200	358	19
BT-1407-100-RF	100	4"	230	190.5	8-Ø19	229	200	407	24
BT-1407-125-RF	125	5"	255	215.9	8-Ø22.5	254	250	492	24
BT-1407-150-RF	150	6"	280	241.3	8-Ø22.5	267	250	578	25.4
BT-1407-200-RF	200	8"	345	298.5	8-Ø22.5	292	280	720	29
BT-1407-250-RF	250	10"	405	362	12-Ø25.5	330	370	863	31
BT-1407-300-RF	300	12"	460	431.8	12-Ø25.5	356	370	992	32

Note: All dimensions are provided for informational purposes only. Please cross-check and confirm with the official technical drawings before installation or fabrication.

BLAZETECH SYSTEMS LTD.



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Milton Keynes, United Kingdom



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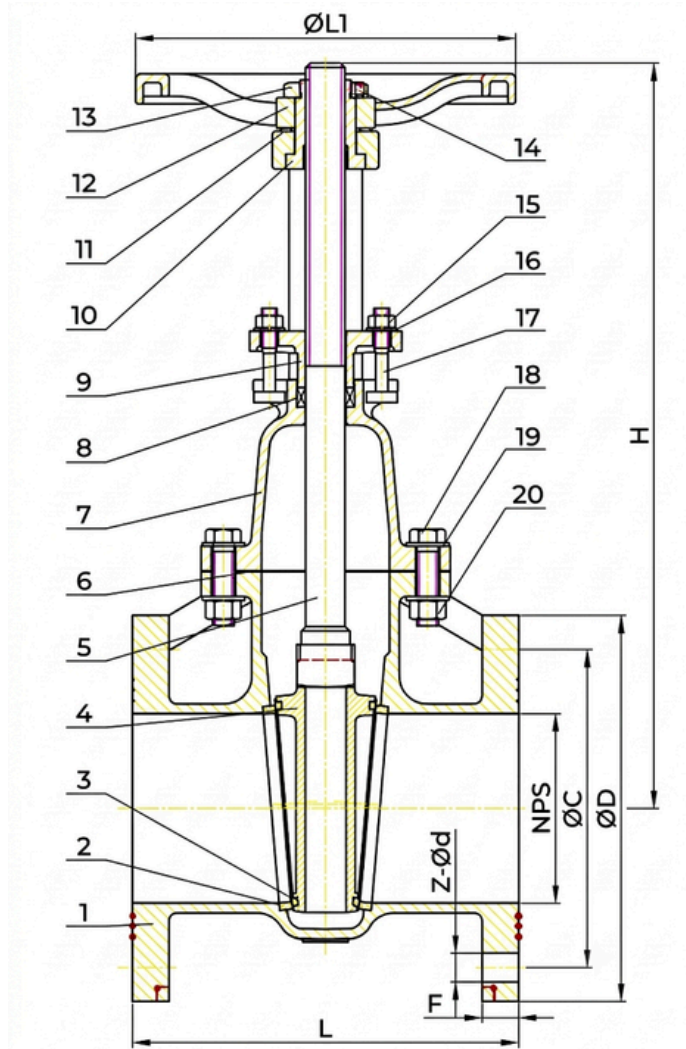
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Material Specification :

NO.	PART NAME	MATERIAL
1	BODY	DUCTILE IRON
2	BODY SEALING RING	C83600
3	EDGE SEALING RING	C83600
4	WEDGE	DUCTILE IRON
5	STEM	SS420
6	SEALING RING	GRAPHITE+304
7	BONNET	DUCTILE IRON
8	PACKING	GRAPHITE
9	PACKING GLAND	DUCTILE IRON
10	STEM NUT	HMN58-2
11	HAND WHEEL GASKET	HMN58-2
12	HAND WHEEL	DUCTILE IRON
13	HAND WHEEL NUT	HMN58-2
14	SCREW	SS304
15	NUT	SS201
16	WASHER	SS304
17	SQUARE HEAD BOLT	SS304
18	BOLT	8.8
19	WASHER	SS304
20	NUT	8



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