NRS Metal Seated Gate Valve

Model : BT 1403

BLAZE

Description:

The BT 1403 NRS Metal Seated Gate Valve is a robust isolation valve designed for water supply, wastewater and industrial applications. Featuring a non-rising stem (NRS) 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 minimise pressure loss, an epoxy blue coating (RAL 5015) for corrosion protection, and PN 16 flanged connections for easy installation. Suitable for both above ground 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	PN16 Flanged (BS EN 1092-2)
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 Pipelines
- Wastewater Treatment Plants
- Pumping Stations & Utility Services
- Fire Protection Infrastructure (Metal-Seated Valve Requirement)
- Industrial Process Water Systems
- Municipal & Infrastructure Water Networks

Dimensions:

Order Code	DN	Inch	ØD (mm)	ØC (mm)	Z-Ød (mm)	L (mm)	ØL1 (mm)	H (mm)	F (mm)
BT-1403-050-RF	50	2"	150	120.7	4-Ø19	178	160	260	14
BT-1403-065-RF	65	2 ½ “	180	139.7	4-Ø19	190	160	281	15.5
BT-1403-080-RF	80	3"	190	152.4	4-Ø19	203	200	306	19
BT-1403-100-RF	100	4"	230	190.5	8-Ø19	229	200	354	24
BT-1403-125-RF	125	5"	255	215.9	8-Ø22.5	254	250	413	24
BT-1403-150-RF	150	6"	280	241.3	8-Ø22.5	267	250	454	25.4
BT-1403-200-RF	200	8"	345	298.5	8-Ø22.5	292	280	559	29
BT-1403-250-RF	250	10"	405	362	12-Ø25.5	330	370	630	31
BT-1403-300-RF	300	12"	460	431.8	12-Ø25.5	356	370	704	32

Note: All dimensions are for informational purposes only. Final details should be verified with the approved technical drawings.

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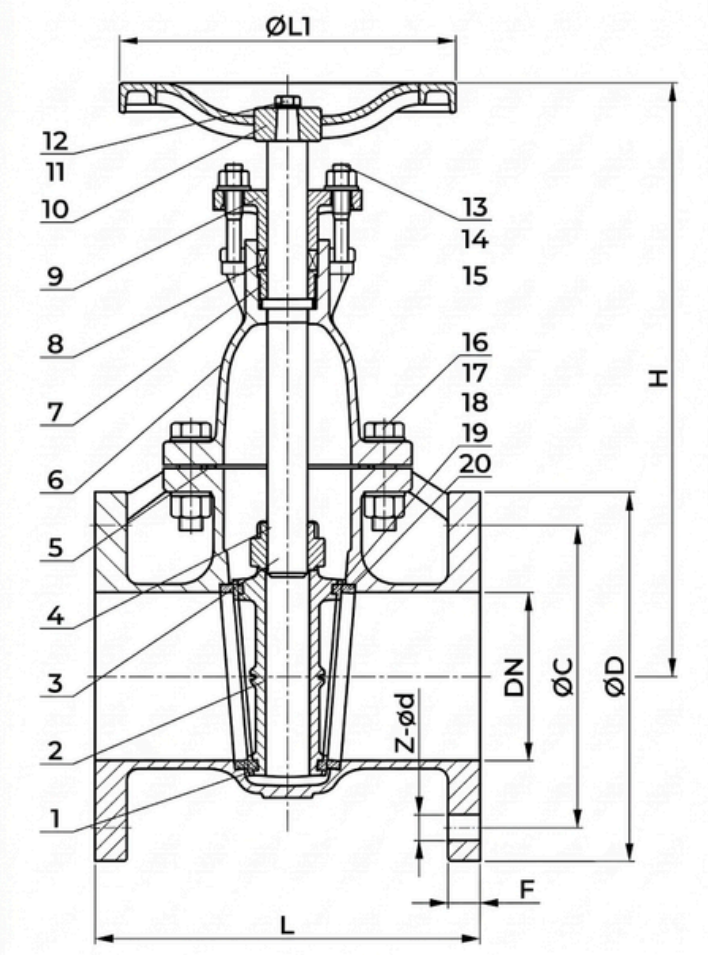
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Material Specification :

ITEM	NAME	MATERIAL
1	BODY	Ductile Iron
2	WEDGE	Ductile Iron
3	STEM	SS420
4	STEM NUT	HMn58-2
5	SEALING RING	GRAPHITE
6	BONNET	Ductile Iron
7	GLAND	SS304
8	PACKING	GRAPHITE
9	PACKING GLAND	Ductile Iron
10	HAND WHEEL	Ductile Iron

ITEM	NAME	MATERIAL
10	HAND WHEEL	DI
11	BOLT	SS304
12	WASHER	SS304
13	SQUARE HEAD BOLT	SS304
14	NUT	SS201
15	WASHER	SS304
16	BOLT	8.8
17	NUT	8
18	WASHER	CARBON STEEL
19	WEDGE SEALING RING	ZCuSn5Pb5Zn5

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