NRS Resilient Seat Gate Valve

Model : BT 1401

BLAZE

Description:

The BT 1401 NRS Resilient Seated Gate Valve is designed to provide reliable shut-off in potable water systems, HVAC networks, mechanical services and industrial pipelines. Its Non-Rising Stem (NRS) design makes it particularly suitable for installations where vertical space is limited, while ensuring dependable operation and a long service life.
Manufactured from high-quality ductile iron and internally and externally coated with Fusion Bonded Epoxy (FBE) in RAL 5015 Blue, the valve offers excellent corrosion resistance and is suitable for potable water applications. The EPDM rubber-encapsulated resilient wedge provides bubble-tight sealing with low operating torque, ensuring reliable and maintenance-friendly performance.

Specifications :

Size	2" to 12" (DN50 to DN300) - WRAS Approved 14" to 24" (DN350 to DN600) - Standard Design
Working Pressure	PN 16
Approvals	WRAS Approved
Design Standard	BS 5163 Type B
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.



WRAS APPROVED PRODUCT

Applications :

- Potable Water Supply & Distribution.
- HVAC Chilled & Hot Water Systems.
- Mechanical Services in Building & Infrastructure Projects.
- Industrial Water Pipelines.
- Fire Protection & Utility Networks.

Dimensions:

Order Code	DN	L (mm)	H (mm)	a (mm)	d (mm)	c (mm)	n-d1	T (mm)	f (mm)	g (mm)	øD (mm)
BT-1401-050-RF	50	178 ± 2	227	50	165	125	4-ø19	19	3	99	160
BT-1401-065-RF	65	190 ± 2	230	65	185	145	4-ø19	19	3	118	160
BT-1401-080-RF	80	203 ± 2	270	80	200	160	4-ø19	19	3	132	180
BT-1401-100-RF	100	229 ± 2	310	100	220	180	8-ø19	19	3	156	200
BT-1401-125-RF	125	254 ± 3	365	125	250	210	8-ø19	19	3	184	250
BT-1401-150-RF	150	267 ± 3	406	150	285	240	8-ø23	19	3	211	250
BT-1401-200-RF	200	292 ± 3	512	200	340	295	12-ø23	20	3	266	300
BT-1401-250-RF	250	330 ± 3	580	250	405	355	12-ø28	22	3	319	350
BT-1401-300-RF	300	356 ± 3	657	300	460	410	12-ø28	24.5	4	370	400

Note: All dimensions are for informational purposes only. Final details should be verified with the approved technical drawings. Dimensional details for valves above 12" size are available upon request.

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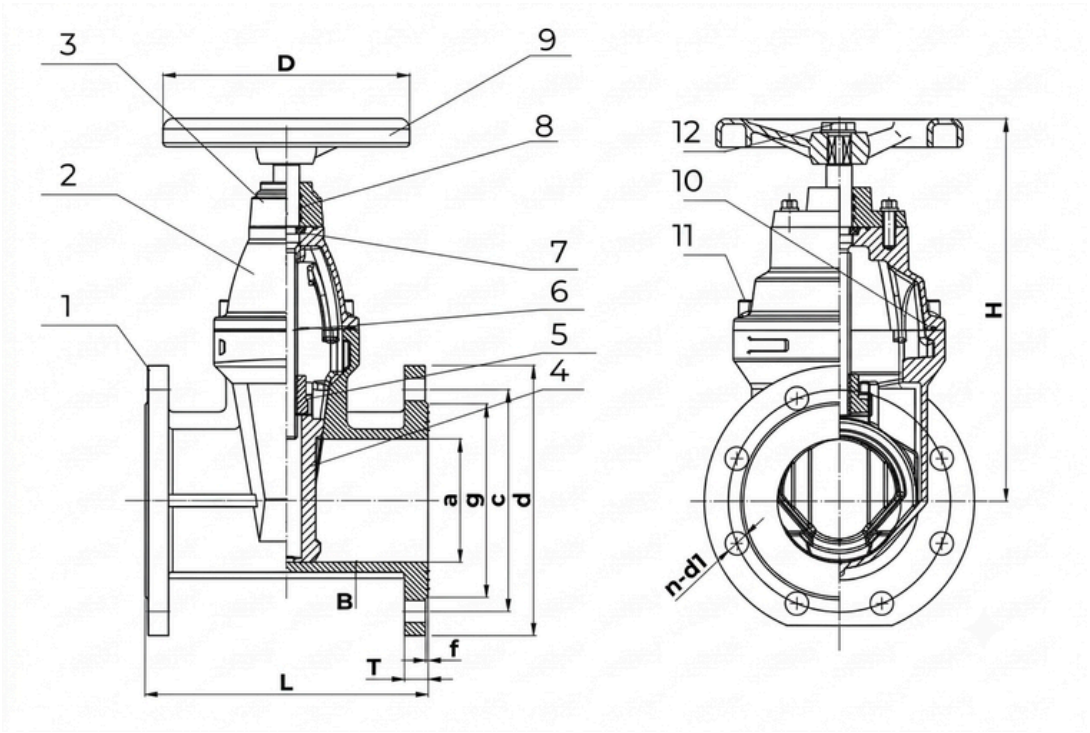
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Material Specification :

No.	Part Name	Material	Specification
1	Body	Ductile Iron	EN-GJS-400
2	Bonnet	Ductile Iron	EN-GJS-400
3	Cover	Ductile Iron	EN-GJS-400
4	Disc	Ductile Iron	GJS-400+WRAS EPDM
5	Stem nut	Brass	Hm58-2-2
6	Stem	Stainless Steel	BS 970x20Cr13
7	Clip	Brass / Carbon steel	
8	O-ring	NBR	
9	Handwheel	Ductile Iron	BS EN 1563 EN-GJS-400
10	Seal	WRAS EPDM	
11	Bolt	Carbon Steel	
12	Bolt	Carbon Steel	

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