



Product Overview

The Blaze BT 1406 OS&Y Resilient Seated Gate Valve is designed for reliable isolation in high-pressure water systems. Featuring an Outside Screw & Yoke (OS&Y) design, it provides clear visual indication of valve position, making it ideal for fire protection and critical infrastructure systems. Built to BS 5163 standards, and WRAS approved, this valve ensures long-term durability and safe operation in potable water networks. It is fully Fusion Bonded Epoxy (FBE) coated internally and externally, providing excellent resistance to corrosion and harsh environments.

Material List

No.	Part Name	Material	Specification
1	Body	Ductile Iron	EN-GJS-400
2	Bonnet	Ductile Iron	EN-GJS-400
3	Bracket	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	seal	Brass/Carbon steel	
8	O-ring	NBR	
9	Handwheel	Ductile Iron	BS EN 1563 EN-GJS-400
10	Seal	WRAS EPDM	ASTM A536 65-45-12
11	Bolt	Carbon steel	
12	Bolt	Carbon steel	
13	Stem nut	Brass	
14	Nut	Carbon steel	



Technical Specifications

- Design Standard: BS 5163
- Size Range: 2" to 24" (DN50 to DN600)
- WRAS Approval: Sizes 2" to 12" (DN50 to DN300) only
- Standard Design (Non-WRAS): Sizes 14" to 24" (DN350 to DN600)
- Working Pressure: PN 25
Flange Connection: ASME Class 125 / Class 150
- Body Type: Outside Screw & Yoke (OS&Y)
- Seat Type: Resilient seated wedge
- Coating: Blue Fusion Bonded Epoxy (FBE), internally and externally (RAL 5015)
- Medium: Potable water, treated water, and neutral liquids

Size Range:

2" to 12" (DN50 to DN300) - WRAS Approved

14" to 24" (DN350 to DN600) - Standard Design

Features

- Outside Screw & Yoke (OS&Y) design for visible stem position
- Resilient seated wedge for bubble-tight shut-off
- WRAS approved for use in potable water systems
- Durable Blue FBE coating (RAL 5015) on both internal and external surfaces
- Compliant with BS 5163 design standard
- High working pressure rating: PN 25
- Full bore for minimal pressure loss
- Flanged ends to ASME Class 125/150 standards
- Suitable for manual or actuator operation

Applications

- Potable water distribution networks
- Fire protection systems (with position indication requirement)
- Pumping stations and water treatment facilities
- Industrial water handling systems
- Commercial and municipal infrastructure
- Systems requiring WRAS-certified components

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BLAZE

OS&Y Resilient Seated Gate Valve

Model No. BT 1406

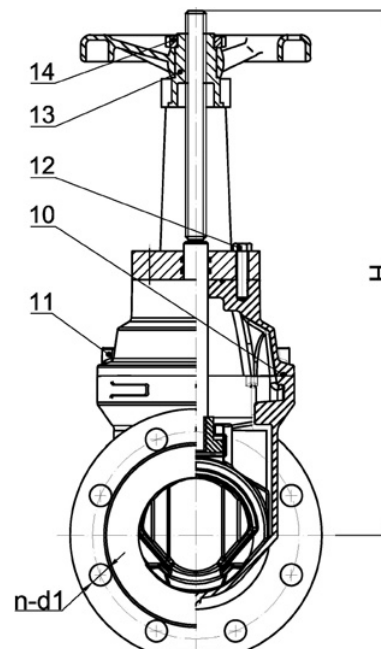
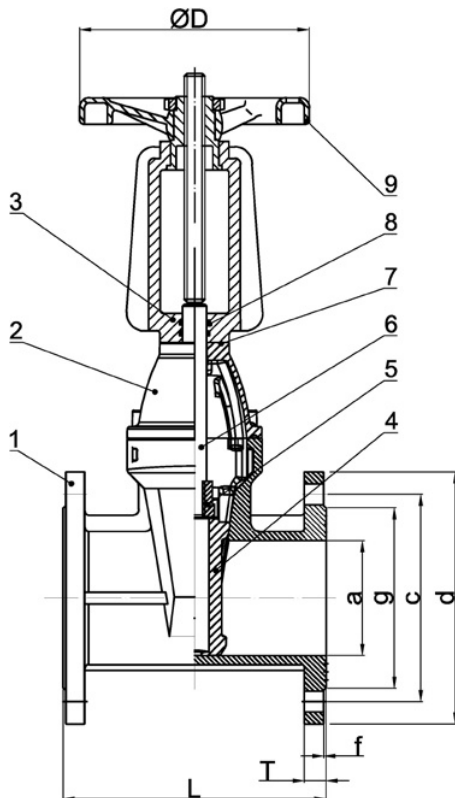


Dimensions

DN	L	H	a	d	c	n-d1	T	f	g	ØD
50	178±2	303	50	165	125	4-Ø19	19	3	99	160
65	190±2	318	65	185	145	4-Ø19	19	3	118	160
80	203±2	375	80	200	160	8-Ø19	19	3	132	180
100	229±2	426	100	220	180	8-Ø19	19	3	156	200
125	254±3	547	125	250	210	8-Ø19	19	3	184	250
150	267±3	563	150	285	240	8-Ø23	19	3	211	250
200	292±3	735	200	340	295	12-Ø23	20	3	266	300
250	330±3	888	250	405	355	12-Ø28	22	3	319	350
300	356±3	937	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.



Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.