



### Product Overview

The BLAZE™ NRS Resilient Seated Gate Valve is designed for reliable shut-off in potable water systems, HVAC networks, mechanical services, and industrial pipelines. Featuring a non-rising stem (NRS) design, it is ideal for installations with limited vertical space while still ensuring efficient operation and long-term durability.

Constructed with a ductile iron body and fully coated in Fusion Bonded Epoxy (FBE) in RAL 5015 blue, the valve offers excellent corrosion resistance and hygiene for potable water use. The resilient seated wedge, fully encapsulated in EPDM rubber, provides bubble-tight sealing with minimal operating torque.

### Material List

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	



### Features

- Full bore design prevents debris buildup and ensures low pressure loss
- Fully encapsulated rubber wedge for long-lasting, leak-tight performance
- Integral stem nut secures stem and protects against corrosion
- Compact NRS design ideal for confined spaces
- Ductile iron body coated internally and externally with FBE (RAL 5015 Blue)
- WRAS-approved sizes (2"-12") for potable water systems
- PN16 flanged ends, compliant with EN 1092-2

### Applications

- Potable water supply and distribution
- HVAC chilled and hot water systems
- Mechanical services in building and infrastructure projects
- Industrial water pipelines
- Fire protection and utility networks

### Technical Specifications

- Working Pressure: PN16
- End Connection: PN16 Flanged
- Coating: Fusion Bonded Epoxy (FBE), RAL 5015 (Blue)
- Body Material: Ductile Iron (DI)
- Seat Material: EPDM, fully encapsulated wedge

Size Range:

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

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



## Dimensions

DN	L	H	a	d	c	n-d1	T	f	g	øD
50	178±2	227	50	165	125	4-ø19	19	3	99	160
65	190±2	230	65	185	145	4-ø19	19	3	118	160
80	203±2	270	80	200	160	4-ø19	19	3	132	180
100	229±2	310	100	220	180	8-ø19	19	3	200	156
125	254±3	365	125	250	210	8-ø19	19	3	184	250
150	267±3	406	150	285	240	8-ø23	19	3	211	250
200	292±3	512	200	340	295	12-ø23	20	3	266	300
250	330±3	580	250	405	355	12-ø28	22	3	319	350
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.

