



## GATE150 – GATE300 UBS Valve

### Product Description

Gate valves are primarily designed for on-off services. Gate Valves consist of Body, Bonnet, Gate, Stem inside screw & Yoke, rising Stem with Non Rising Hand wheel, Integral seat as standard with options for Renewable Seats. Open & Closed Indicator with lockable Handwheel.

### Features

Gate valves offer positive shutoff with minimal pressure drop; this makes them ideal for controlling liquid or gas flow in various applications. They're also highly effective and easy to maintain due to their robust construction and simple design.

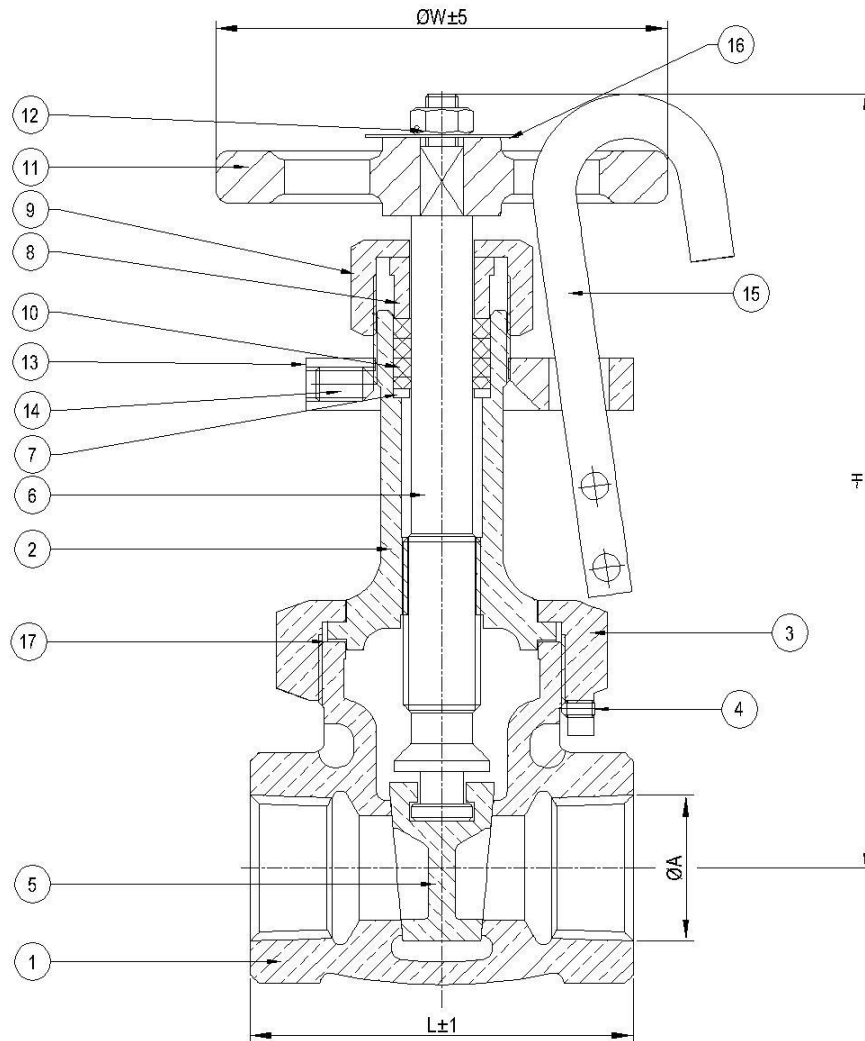
Gate valves are operated manually or by an automated device such as a motor, solenoid, actuator, etc. When the gate is closed, it acts as a barrier and blocks flow. When open, the gate swings away from the seat allowing full flow through the valve. When closed, fluid flow is completely blocked.



Technical Data #150/PN32		
Design Standard	MSS SP 80 / BS 5154 / BS EN 12288	
Size	DN15 TO DN80	
End Connection	ASME B1.20.1	
Face To Face	As Per Mfg.	
Testing	EN 12266-1, API 598	
Max pressure:- 19 / 32 BAR		Min Temperature:- -29°C /-10 TO 66°C
Max pressure:- 7.9 / 14 BAR		Min Temperature:- 260°C
Testing Pressure (Bar G) at Ambient Condition (-29°C to 38°C )		
Shell ( Hydro)	Seat ( Hydro)	Seat ( Air)
28.5 / 48	21 / 35.2	N/A
Testing Duration (Sec)		
As Per STD.	As Per STD.	N/A
Certifications		
Material Test	BS EN 10204-3.1	

Technical Data #300		
Design Standard	MSS SP 80 / BS 5154 / BS EN 12288	
Size	DN15 TO DN80	
End Connection	ASME B1.20.1	
Face To Face	As Per Mfg.	
Testing	EN 12266-1, API 598	
Max pressure:- 49.6 BAR		Min Temperature:- -29°C
Max pressure:- 20.6 BAR		Min Temperature:- 260°C
Testing Pressure (Bar G) at Ambient Condition (-29°C to 38°C )		
Shell ( Hydro)	Seat ( Hydro)	Seat ( Air)
74.4	54.5	N/A
Testing Duration (Sec)		
As Per STD.	As Per STD.	N/A
Certifications		
Material Test	BS EN 10204-3.1	

## General Assembly View





## Bill of Materials

S.NO.	PART	MATERIAL
1	Body	NAB(ASTM B148 C95800)
2	Bonnet	NAB(ASTM B148 C95800)
3	Union Nut	NAB(ASTM B148 C95800)
4	Socket Grub Screw	SS-316
5	Wedge	NAB(ASTM B148 C95800) / MONEL( ASTM A494 GR M35-1)
6	Stem	NAB (ASTM B150 C63200) / MONEL ( ASTM B865 N05500)
7	Gland Ring	NAB (ASTM B150 C63200)
8	Gland	NAB (ASTM B150 C63200)
9	Gland Nut	NAB(ASTM B148 C95800)
10	Gland Packing	Graphite / PTFE
11	Hand wheel	SS(ASTM A351 CF8M)
12	Hex Nut	ASTM A194 Gr.2H
13	Locking Plate	Nylon 66
14	Socket Grub Screw	SS-316
15	Locking Pin Crook Lock	SS(ASTM A240 S316)
16	Name Plate	Aluminium
17	Gasket	Graphite / PTFE

## Dimensions Tables

### #150

SIZE	ΦA	L	~H	ΦW
DN15	½" NPT	60	120	82.5
DN20	¾" NPT	70	140	82.5
DN25	1" NPT	76	164	82.5
DN40	1½" NPT	91	213	114
DN50	2" NPT	102	259	127
DN65	2½" NPT	127	337	127
DN80	3" NPT	146	364	178

### #300

SIZE	ΦA	L	~H	ΦW
DN15	½" NPT	60	120	82.5
DN20	¾" NPT	70	140	82.5
DN25	1" NPT	76	164	82.5
DN40	1½" NPT	91	213	114
DN50	2" NPT	102	259	127
DN65	2½" NPT	127	337	127
DN80	3" NPT	146	364	178