

ENGINEERING RE-DEFINED



**Forged Steel Gate,
Globe & Check Valve**

ISO 9001
BUREAU VERITAS
Certification



50
Years
OF SERVICE

Gate Valve



Gate valves are designed to operate in a fully open or fully closed position. When open, the media will flow with minimal turbulence and pressure drop through the valve. Gate valves are available with a variety of body and trim materials, stem packing and end connections. The rugged construction of forged gate valves provide an extended life of safe operation. Metal-to-metal seating surfaces accommodate the widest range of pressure-temperature conditions.



Size	Class	Ends	Model No.
8-50 mm 1/4" to 2"	800	Threaded to BSP 'II'	GT-1-R-P-A4
		Threaded to NPT	GT-1-R-N-A4
		Socketweld	GT-1-R-W-A4
		Buttweld	GT-1-R-B-A4
20-40 mm 3/4" to 1 1/2"	1500	Threaded to BSP 'II'	GT-1-R-P-A6
		Threaded to NPT	GT-1-R-N-A6
		Socketweld	GT-1-R-W-A6
15-50 mm 1/2" to 2"	150	Welded Flange, Raised face	GT-1-R-F-A1
	300		GT-1-R-F-A2
	600		GT-1-R-F-A3

FEATURES

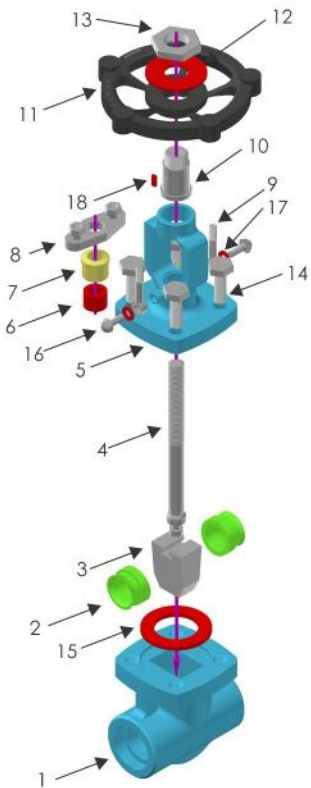
- Reduced or Full Port
- Compact Outside Screw & yoke
- Spiral Wound Gasket of Stainless Steel
- Bolted bonnet
- Replaceable or Integral Hard faced Seat

STANDARDS COMPLIANCE

- Valve Design API 602 - EN ISO 15761 & ASME B16.34
- End to End ASME B16.10 for flanged valves & MEWPL Std. for threaded / socket & Buttweld ends
- Threaded as per BSP II - IS 554 & NPT as per ANSI B 1.20.1
- Socket weld as per ANSI B 16.11
- Buttweld Dimensions ASME B16.25
- Flanged Dimensions ASME B16.5 & ISO 7005-1 Part.

TESTS AND CERTIFICATES

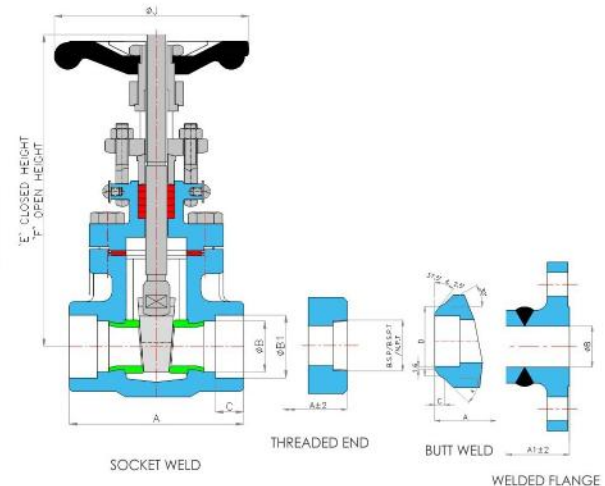
- Pressure testing API 598
- Other ISO 9001:2008



No.	DESCRIPTION	MATERIAL					
		ASTM SPECIFICATION					
1	BODY	A 105N	A182 F 304	A182 F 304 L	A182 F 316	A182 F 316 L	
2	SEAT RING	A276-410 OR WITH STL.	304/304 STL.	304 L/304L STL.	316/316 STL.	316 L /316 L STL.	
3	WEDGE	A276-420 OR WITH STL.	304/304 STL.	304 L/304L STL.	316/316 STL.	316 L /316 L STL.	
4	STEM	A276 410	A 276 304	A 276 304 L	A 276 316	A 276 316 L	
5	BONNET	A 105N	A182 F 304	A182 F 304 L	A182 F 316	A182 F 316 L	
6	GLAND PACKING	GRAPHITE	GRAPHITE/PTFE				
7	GLAND BUSH	A276 410	A 276 304	A 276 304 L	A 276 316	A 276 316 L	
8	GLAND FLANGE	CARBON STEEL	STAINLESS STEEL				
9	EYE BOLT & NUT	A 193 GR.B7	A 193 GR.B7 OR B8				
10	YOKE NUT		SG IRONNICKEL RESIST				
11	HAND WHEEL	CARBON STEEL	STAINLESS STEEL				
12	WASHER		CARBON STEEL				
13	HAND WHEEL NUT		CARBON STEEL				
14	BONNET BOLT	A 193 GR.B7	A 193 GR.B7 OR B8				
15	BODY JOINT GASKET	SS 304 SPW + GRAPHITE	SS 316 SPW + GRAPHITE				
16	EYE BOLT GUIDE SCREW	CARBON STEEL	STAINLESS STEEL				
17	EYE BOLT GUIDE WASHER	CARBON STEEL	STAINLESS STEEL				
18	HAND WHEEL KEY		CARBON STEEL				

SIZE	B	E	F	J	SCREWED, BUTTWELD & SOCKET 800#			CLASS 150	CLASS 300	CLASS 600
					A	B1	C			
15	12.7	155	169	89	87	21.7	9.5	108	140	165.1
20	19	157	174	89	90	27.1	12.7	117.6	152	190.5
25	25.4	172	194	89	105	33.8	12.7	127	165	215.9
32	32	234	262	146	128	42.5	12.7	140	178	229
40	38	234	267	146	128	48.6	12.7	165	190.5	241
50	50.8	236	277	146	142	61.1	16	203	216	292

ALL DIMENSIONS ARE IN MM



Design and dimensions are subject to change without prior notice

Globe Valve



Globe valves are suitable for throttling as well as shutoff. They are installed such a way that the media pressure and preferred flow direction are under the disc (as illustrated).



Size	Class	Ends	Model No.
8-50 mm 1/4" to 2"	800	Threaded to BSP "II"	GB-1-R-P-A4
		Threaded to NPT	GB-1-R-N-A4
		Socketweld	GB-1-R-W-A4
		Buttweld	GB-1-R-B-A4
20-40 mm 3/4" to 1 1/2"	1500	Threaded to BSP "II"	GB-1-R-P-A6
		Threaded to NPT	GB-1-R-N-A6
		Socketweld	GB-1-R-W-A6
15-50 mm 1/2" to 2"	150	Welded Flange, Raised face	GB-1-R-F-A1
	300		GB-1-R-F-A2
	600		GB-1-R-F-A3

FEATURES

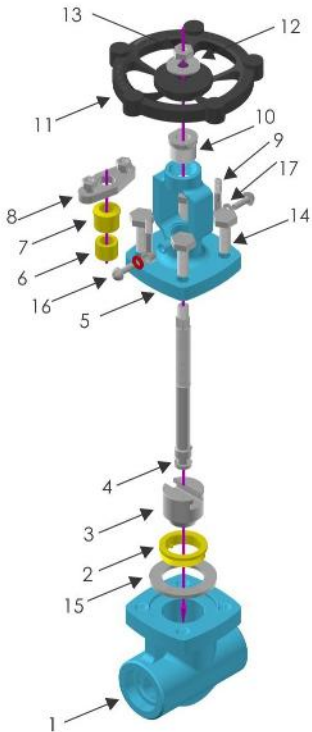
- Reduced or Full Port
- Compact Outside Screw & yoke
- Spiral Wound Gasket of Stainless Steel
- Bolted bonnet
- Replaceable or Integral Hard faced Seat

STANDARDS COMPLIANCE

- Valve Design EN ISO 15761 & ASME B16.34
- End to End ASME B16.10 for flanged valves & MEWPL Std. for threaded / socket & Buttweld ends
- Threaded as per BSP II - IS 554 & NPT as per ANSI B 1.20.1
- Socket weld as per ANSI B 16.11
- Buttweld Dimensions ASME B16.25
- Flanged Dimensions ASME B16.5 & ISO 7005-1 Part.

TESTS AND CERTIFICATES

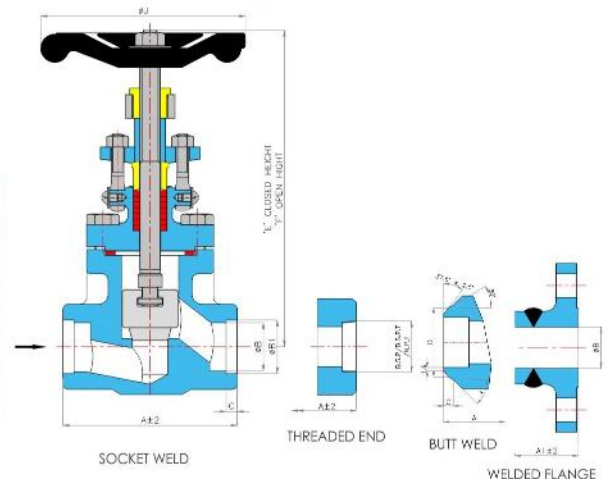
- Pressure testing API 598
- Other ISO 9001:2008



No.	DESCRIPTION	MATERIAL				
		ASTM SPECIFICATION				
1	BODY	A 105N	A182 F 304	A182 F 304 L	A182 F 316	A182 F 316 L
2	SEAT RING	A276-410 OR WITH STL.	304/304 STL.	304 L/304L STL.	316/316 STL.	316 L /316 L STL.
3	PLUG	A276-420 OR WITH STL.	304/304 STL.	304 L/304L STL.	316/316 STL.	316 L /316 L STL.
4	STEM	A276 410	A 276 304	A 276 304 L	A 276 316	A 276 316 L
5	BONNET	A 105N	A182 F 304	A182 F 304 L	A182 F 316	A182 F 316 L
6	GLAND PACKING	GRAPHITE	GRAPHITE/PTFE			
7	GLAND BUSH	A276 410	A 276 304	A 276 304 L	A 276 316	A 276 316 L
8	GLAND FLANGE	CARBON STEEL	STAINLESS STEEL			
9	EYE BOLT & NUT	A 193 GR.B7	A 193 GR.B7 OR B8			
10	YOKE NUT	SG IRONNICKEL RESIST				
11	HAND WHEEL	CARBON STEEL	STAINLESS STEEL			
12	WASHER	CARBON STEEL				
13	HAND WHEEL NUT	CARBON STEEL				
14	BONNET BOLT	A 193 GR.B7	A 193 GR.B7 OR B8			
15	BODY JOINT GASKET	SS 304 SPW + GRAPHITE			SS 316 SPW + GRAPHITE	
16	EYE BOLT GUIDE SCREW	CARBON STEEL	STAINLESS STEEL			
17	EYE BOLT GUIDE WASHER	CARBON STEEL	STAINLESS STEEL			

SIZE	B	E	F	J	SCREWED, BUTTWELD & SOCKET 800#			CLASS 150	CLASS 300	CLASS 600
					A	B1	C			
15	12.7	161	170	89	87	21.7	9.5	108	140	165.1
20	19	167	177	89	90	27.1	12.7	117.6	152	190.5
25	25.4	172	186	89	105	33.8	12.7	127	165	215.9
32	32	250	268	146	128	42.5	12.7	140	178	229
40	38	250	268	146	128	48.6	12.7	165	190.5	241
50	50.8	262	284	146	142	61.1	16	203	216	292

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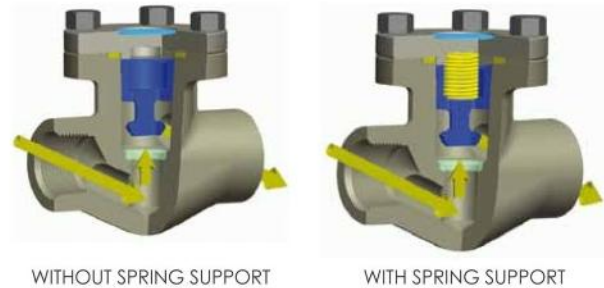


LIFT Check Valve



Check valves are Spring-controlled designed for horizontal or vertical (upward) flow applications. Check valves are designed to prevent reverse flow. Leakage rate for check valves with metal-to-metal seats are dependent on the amount of back pressure and the viscosity of the flowing medium. The recommended pressure differential should be 300 to 500 psi minimum for proper seating of the disc. Metal-seated check valves should not be used in gas or low back pressure liquid applications or if zero leakage is desired. Please ask for optional Soft seated plug for such services.

Size	Class	Ends	Model No.
8-50 mm 1/4" to 2"	800	Threaded to BSP "I"	CH-1-R-P-A4
		Threaded to NPT	CH-1-R-N-A4
		Socketweld	CH-1-R-W-A4
		Buttweld	CH-1-R-B-A4
20-40 mm 3/4" to 1 1/2"	1500	Threaded to BSP "I"	CH-1-R-P-A6
		Threaded to NPT	CH-1-R-N-A6
		Socketweld	CH-1-R-W-A6
15-50 mm 1/2" to 2"	150	Welded Flange, Raised face	CH-1-R-F-A1
	300		CH-1-R-F-A2
	600		CH-1-R-F-A3



FEATURES

- Reduced or Full Port
- Spiral Wound Gasket of Stainless Steel
- Bolted Cap
- Socket Weld or Threaded Ends
- Replaceable or Integral Hardfaced Seat

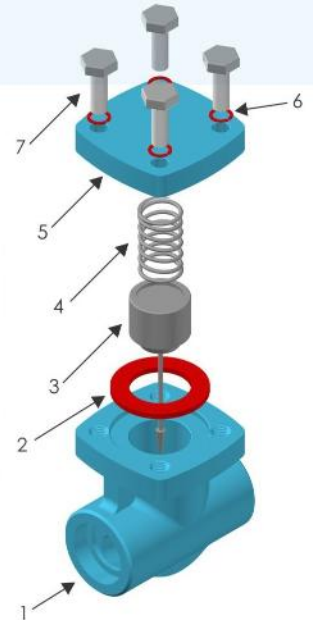
STANDARDS COMPLIANCE

- Valve Design EN ISO 15761 & ASME B16.34
- End to End ASME B16.10 for flanged valves & MEWPL Std. for threaded / socket & Buttweld ends
- Threaded as per BSP II - IS 554 & NPT as per ANSI B 1.20.1
- Socket weld as per ANSI B 16.11
- Buttweld Dimensions ASME B16.25
- Flanged Dimensions ASME B16.5 & ISO 7005-1 Part.

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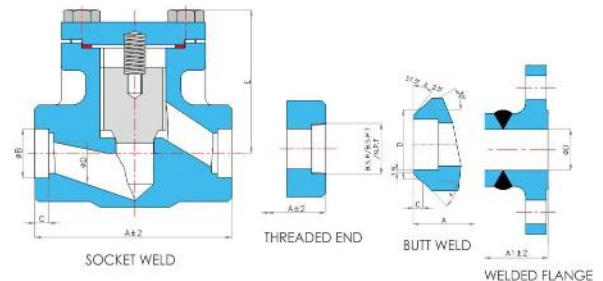
No.	DESCRIPTION	MATERIAL					
		ASTM SPECIFICATION					
1	BODY	A 105N	A182 F 304	A182 F 304 L	A182 F 316	A182 F 316 L	
2	BODY JOINT GASKET	SS 304 SPW + GRAPHITE		SS 316 SPW + GRAPHITE			
3	PLUG	A276-420 OR WITH STL.	304/304 STL.	304 L/304L STL.	316/316 STL.	316 L/316 L STL.	
4	SPRING	SPRING STEEL	SS 304	SS 304 L	SS 316	SS 316 L	
5	COVER	A 105N	A182 F 304	A182 F 304 L	A182 F 316	A182 F 316 L	
6	SPRING WASHER	SPRING STEEL	SS 304				
7	COVER BOLT	A 193 GR.B7	A 193 GR.B7 OR B8				



SIZE	B	H	SCREWED, BUTTWELD & SOCKET 800#			CLASS 150	CLASS 300	CLASS 600
			A	B1	C			
15	12.7	54	87	21.7	9.5	108	140	165.1
20	19	63	90	27.1	12.7	117.58	152	190.5
25	25.4	77	105	33.8	12.7	127	165	215.9
32	32	98	128	42.5	12.7	140	178	229
40	38	98	128	48.6	12.7	165	190.5	241
50	50.8	105	142	61.1	16	203	216	292

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