ENGINEERING RE-DEFINED





Forged Steel Gate, Globe & Check Valve







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.
		Threaded to BSP 'II'	GT-1-R-P-A4
8-50 mm	000	Threaded to NPT	GT-1-R-N-A4
1/4" to 2"	800	Socketweld	GT-1-R-W-A4
		Buttweld	GT-1-R-B-A4
	1500	Threaded to BSP 'II'	GT-1-R-P-A6
20-40 mm		Threaded to NPT	GT-1-R-N-A6
3/4" to 1 1/2"	1500	Socketweld	GT-1-R-W-A6
		Buttweld	GT-1-R-B-A6
15.50	150	W 11 15	GT-1-R-F-A1
15-50 mm	300	Welded Flange, Raised face	GT-1-R-F-A2
1/2" to 2"	600	kaisea lace	GT-1-R-F-A3



FEATURES

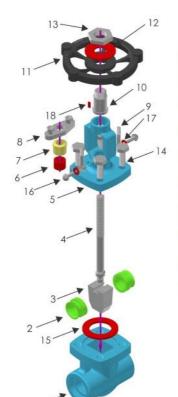
- · Reduced or Full Port
- Compact Outside Screw & yoke
- Spiral Wound Gasket of Stainless Steel
- Bolted bonnet
- Replaceable or Integral Hard faced Seat

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						
1	BODY		ASTN	ASTM SPECIFICATION				
- 1	ворт	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		GRAPHI	TE/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 IR	ONNICKEL RESIST				
11	HAND WHEEL	CARBON STEEL		STAINLES	S STEEL			
12	WASHER		C	ARBON STEEL				
13	HAND WHEEL NUT		C	ARBON STEEL				
14	BONNET BOLT	A 193 GR.B7		A 193 GR.	B7 OR B8			
15	BODY JOINT GASKET	SS 304	SPW + GRAPHITE		SS 316 SPV	V + GRAPHITE		
16	EYE BOLT GUIDE SCREW	CARBON STEEL		STAINLES	S STEEL			
17	EYE BOLT GUIDE WASHER	CARBON STEEL		STAINLES	S STEEL			
18	HAND WHEEL KEY	CARBON STEEL						

В	E	F	J	SCREWED, BUTTWELD & SOCKET 800#			CLASS 150	CLASS 300	CLASS 600
				Α	В1	С		A1	
12.7	155	169	89	87	21.7	9.5	108	140	165.1
19	157	174	89	90	27.1	12.7	117.6	152	190.5
25.4	172	194	89	105	33.8	12.7	127	165	215.9
32	234	262	146	128	42.5	12.7	140	178	229
38	234	267	146	128	48.6	12.7	165	190.5	241
50.8	236	277	146	142	61.1	16	203	216	292
	12.7 19 25.4 32 38	12.7 155 19 157 25.4 172 32 234 38 234	12.7 155 169 19 157 174 25.4 172 194 32 234 262 38 234 267	12.7 155 169 89 19 157 174 89 25.4 172 194 89 32 234 262 146 38 234 267 146	B E F J St 12.7 155 169 89 87 19 157 174 89 90 25.4 172 194 89 105 32 234 262 146 128 38 234 267 146 128	B E F J SOCKET 80 12.7 155 169 89 87 21.7 19 157 174 89 90 27.1 25.4 172 194 89 105 33.8 32 234 262 146 128 42.5 38 234 267 146 128 48.6	B E F J SOCKET 800# 12.7 155 169 89 87 21.7 9.5 19 157 174 89 90 27.1 12.7 25.4 172 194 89 105 33.8 12.7 32 234 262 146 128 42.5 12.7 38 234 267 146 128 48.6 12.7	B E F J SOCKET 800# 150 12.7 155 169 89 87 21.7 9.5 108 19 157 174 89 90 27.1 12.7 117.6 25.4 172 194 89 105 33.8 12.7 127 32 234 262 146 128 42.5 12.7 140 38 234 267 146 128 48.6 12.7 165	B E F J SOCKET 800# 150 300 A B1 C A1 12.7 155 169 89 87 21.7 9.5 108 140 19 157 174 89 90 27.1 12.7 117.6 152 25.4 172 194 89 105 33.8 12.7 127 165 32 234 262 146 128 42.5 12.7 140 178 38 234 267 146 128 48.6 12.7 165 190.5

ALL DIMENSIONS ARE IN MM

E CLOSED HEIGHT	HEOH			
010 (3,			No. 6,20 M	
	A	G	SSP/RSET	- g
	SOCKET WELD	THREADED END	BUTT WELD	VELDED FLANGE

WELDED FLANGE

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.
		Threaded to BSP 'II'	GB-1-R-P-A4
8-50 mm	800	Threaded to NPT	GB-1-R-N-A4
1/4" to 2"	000	Socketweld	GB-1-R-W-A4
		Buttweld	GB-1-R-B-A4
	1500	Threaded to BSP 'II'	GB-1-R-P-A6
20-40 mm		Threaded to NPT	GB-1-R-N-A6
3/4" to 1 1/2"	1300	Socketweld	GB-1-R-W-A6
		Buttweld	GB-1-R-B-A6
15 50	150	Malala al Flavores	GB-1-R-F-A1
15-50 mm 1/2" to 2"	300	Welded Flange, Raised face	GB-1-R-F-A2
1/2 10 2	600	raised lace	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

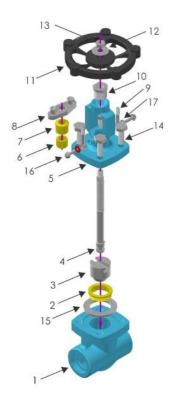
 End to End ASME B16.10 for flanged valves & MEWPL

 MEMORIAN STATEMENT OF THE PROPERTY OF THE PROPERT 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

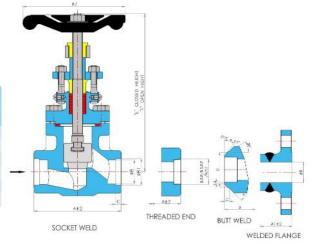
- Pressure testing API 598
 Other ISO 9001:2008



No.	DESCRIPTION	MATERIAL							
1	BODY		ASTM SPECIFICATION						
1 1	BODT	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		GRAPHI	TE/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 STE				STEEL			
9	EYE BOLT & NUT	A 193 GR.B7		A 193 GR.	B7 OR B8				
10	YOKE NUT		SG IR	ONNICKEL RESIST					
11	HAND WHEEL	CARBON STEEL		STAINLES	SS STEEL				
12	WASHER		C	ARBON STEEL					
13	HAND WHEEL NUT		C	ARBON 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 + GRAPH							
16	EYE BOLT GUIDE SCREW	CARBON STEEL		STAINLES	S STEEL				
17	EYE BOLT GUIDE WASHER	CARBON STEEL STAINLESS STEEL							

SIZE	В	Е	F	J	SCREWED, BUTTWELD & SOCKET 800#			CLASS 150	CLASS 300	CLASS 600
					Α	B1	С		A1	
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

ALL DIMENSIONS ARE IN MM



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 'II' Threaded to NPT Socketweld Buttweld	CH-1-R-P-A4 CH-1-R-N-A4 CH-1-R-W-A4 CH-1-R-B-A4
20-40 mm 3/4" to 1 1/2"	1500	Threaded to BSP 'II' Threaded to NPT Socketweld Buttweld	CH-1-R-P-A6 CH-1-R-N-A6 CH-1-R-W-A6 CH-1-R-B-A6
15-50 mm 1/2" to 2"	150 300 600	Welded Flange, Raised face	CH-1-R-F-A1 CH-1-R-F-A2 CH-1-R-F-A3





WITHOUT SPRING SUPPORT

WITH SPRING SUPPORT

FEATURES

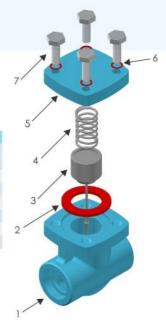
- · Reduced or Full Port
- Spiral Wound Gasket of Stainless Steel
- Bolted Cap
- · Socket Weld or Threaded Ends
- Replaceable or Integral Hardfaced Seat

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
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- Buttweld Dimensions ASME B16.25
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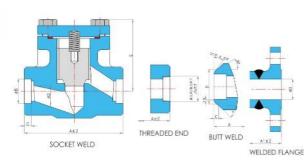
TESTS AND CERTIFICATES

- Pressure testing API 598Other ISO 9001:2008



1	No.	DESCRIPTION		MATERIAL					
1	1 BODY		A 305N	1100 5 017	1100 5 03 / 1				
			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 3	304			
	7	COVER BOLT	A 193 GR.B7						

SIZE	В	н	SCREWED, BUTTWELD & SOCKET 800#			CLASS 150	CLASS 300	CLASS 600
			Α	B1	С		A1	
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



ALL DIMENSIONS ARE IN MM

Design and dimensions are subject to change without prior notice



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