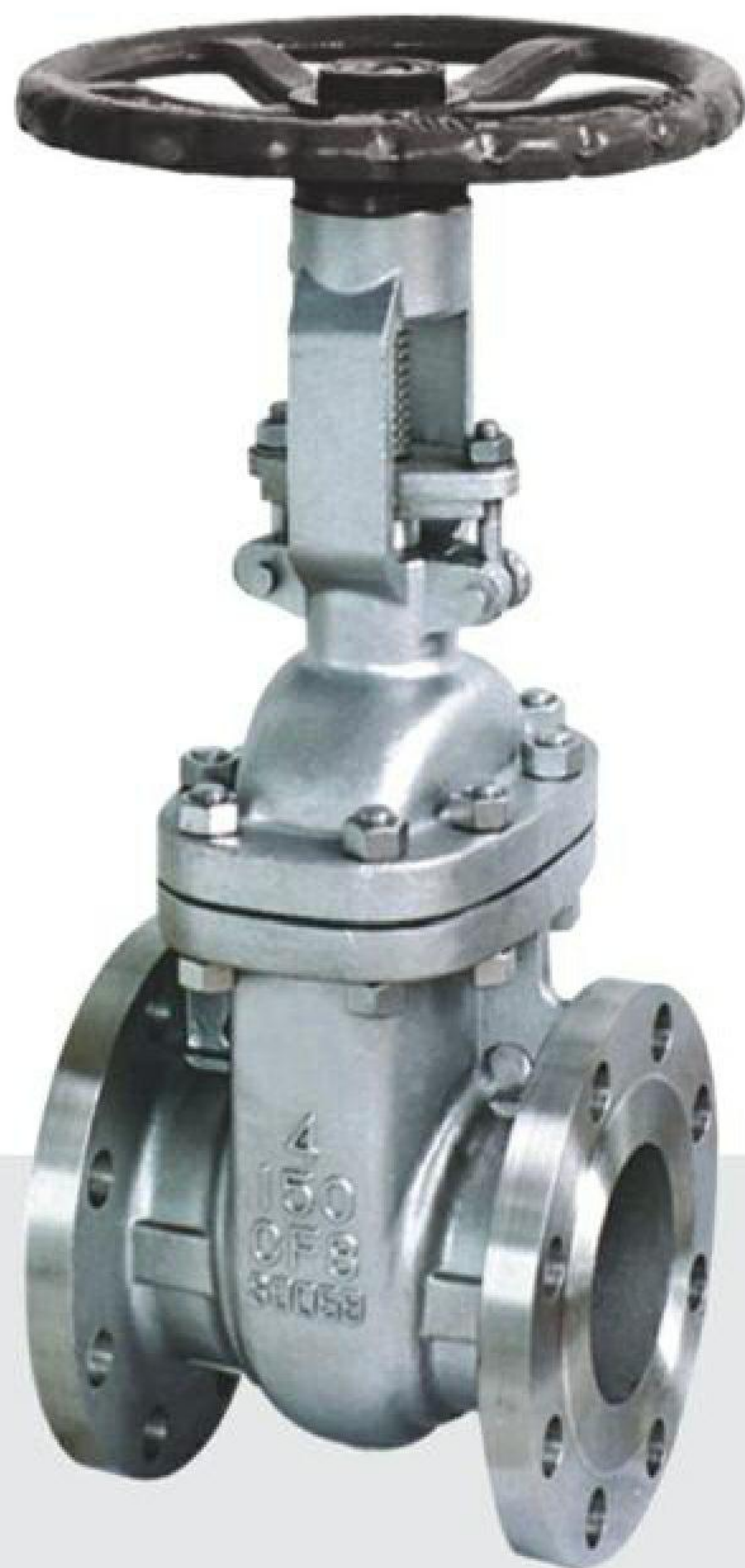


ENGINEERING RE-DEFINED



Mevada Engineering Works Pvt. Ltd.

CAST STEEL GATE VALVE
CAST STEEL GLOBE VALVE
CAST STEEL SWING CHECK VALVE
WAFER NON SLAM CHECK VALVE
WAFER SWING TYPE / SPRING LOADED CHECK VALVE

ISO 9001
BUREAU VERITAS
Certification



50
Years
OF SERVICE

Globe Valve

Bolted Bonnet, Rising stem, Flanged
Carbon, Alloy and Stainless Steel



SIZE	CLASS	MODEL NO.
DN 40-300 (1 1/2"-12")	150	GB-1-S-F-A1
DN 40-300 (1 1/2"- 12")	300	GB-1-S-F-A2
DN 50-200 (2" - 8")	600	GB-1-S-F-A3



Features

- Suitable for throttling as well as shutoff.
- The Stem nut design allows for the removal of the hand-wheel while keeping the Stem and plug in fixed position.
- All The valves provided with backseat arrangement.
- Two Piece gland functions as the back seat for assured stem sealing at all pressures. It also helps user to replace on-line stem seals.

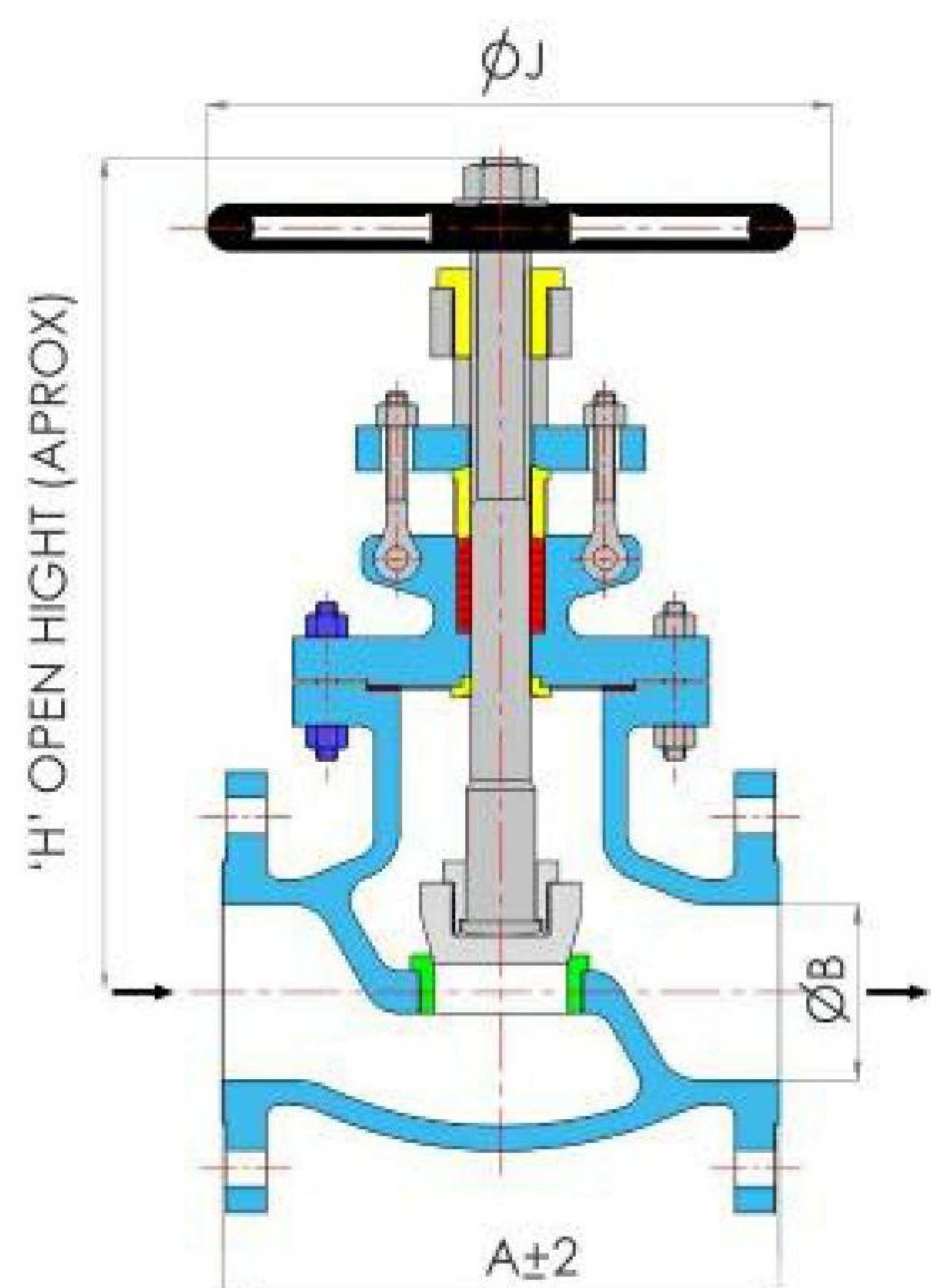
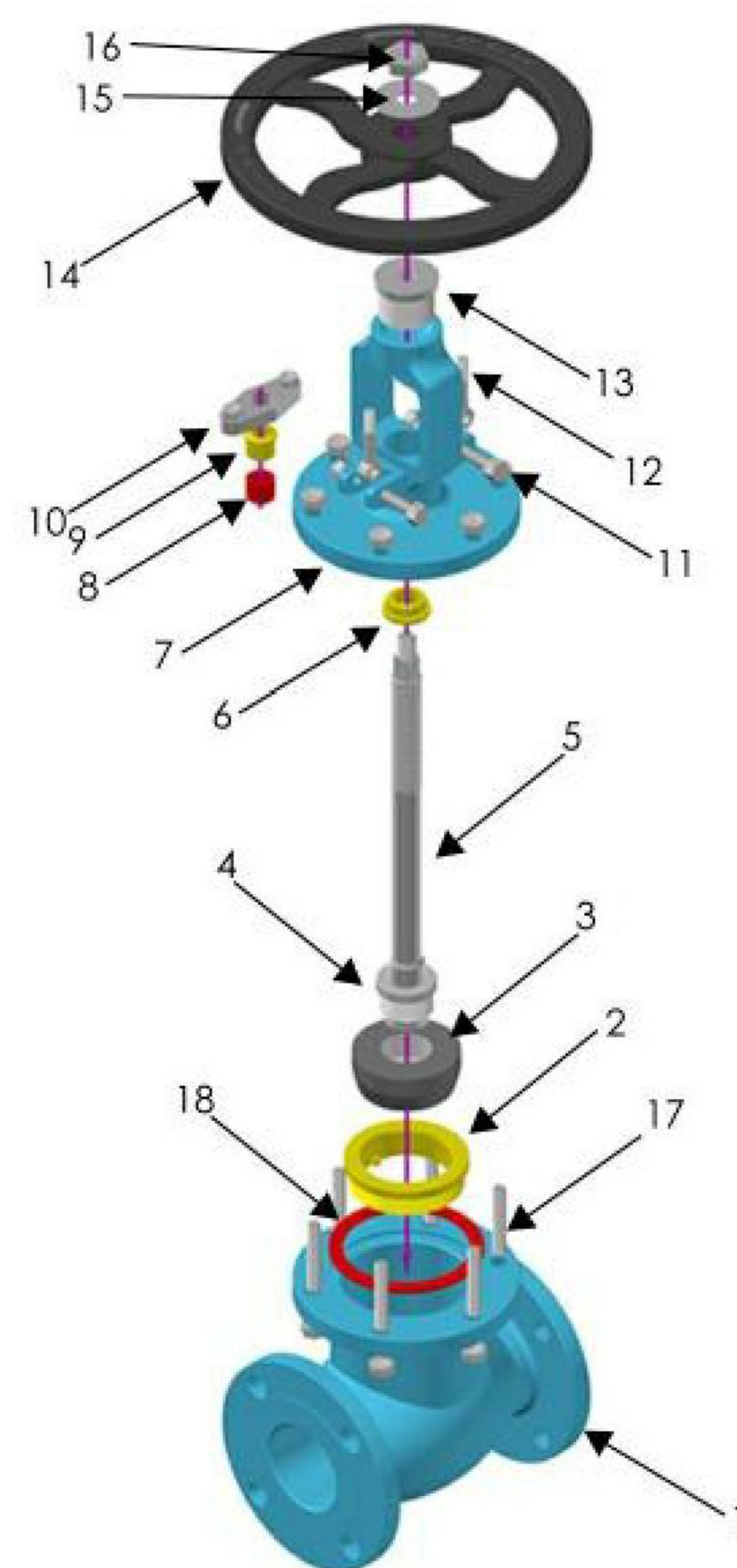
STANDARDS COMPLIANCE

- Valve Design BS1873, ASME B 16.34
- End to End ASME B16.10 & ISO 5752
- Flanged Dimensions ASME B16.5 & ISO 7005-1 Part. 1
- Butt weld Dimensions ASME B16.25
- Visual Inspection MSS SP- 55
- Marking MSS SP-25 & ISO 5209

TESTS AND CERTIFICATES

- Pressure testing API 598 & BS EN 12266-1
- Other ISO 9001:2008

No.	DESCRIPTION	MATERIAL					
		ASTM SPECIFICATION					
1	BODY	A 216 WCB	A 352 LCB	A 351 CF8	A 351 CF3	A 351 CF8M	A 351 CF3M
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 NUT	CARBON STEEL		STAINLESS STEEL			
5	STEM	A276 410		A 276 304	A 276 304 L	A 276 316	A 276 316 L
6	BONNET BUSH	A276 410		A 276 304	A 276 304 L	A 276 316	A 276 316 L
7	BONNET	A 216 WCB	A 352 LCB	A 351 CF8	A 351 CF3	A 351 CF8M	A 351 CF3M
8	GLAND PACKING	GRAPHITE		GRAPHITE/PTFE			
9	GLAND BUSH	A276 410		A 276 304	A 276 304 L	A 276 316	A 276 316 L
10	GLAND FLANGE	CARBON STEEL		STAINLESS STEEL			
11	CROSS BOLT & NUT	CARBON STEEL		STAINLESS STEEL			
12	EYE BOLT & NUT	A 193 GR.B7/194 2H	A 320 L7M/194 7M	A 193 GR.B7/A194 GR.2H OR B8/8			
13	YOKE SLEEVE	SG IRON/NICKEL RESIST					
14	HAND WHEEL	CARBON STEEL / MALLEABLE IRON					
15	WASHER	CARBON STEEL					
16	HAND WHEEL NUT	CARBON STEEL					
17	BODY JOINT STUD & NUT	A 193 GR.B7/194 2H	A 320 L7M/194 7M	A 193 GR.B7/A194 GR.2H OR B8/8			
18	BODY JOINT GASKET	SS 304 SPW + GRAPHITE				SS 316 SPW + GRAPHITE	



SIZE	B	A	CLASS 150		CLASS 300			CLASS 600		
			H	J	A	H	J	A	H	J
40	38	165	251	152	229	305	152			
50	51	203	308	203	267	405	200	292	480	250
65	63	216	378	203	292	470	250	330	530	250
80	76	241	405	254	318	505	250	356	630	300
100	102	292	475	305	356	615	300	432	750	350
125	125	356	516	305						
150	152	406	556	356	445	865	350	559	975	150
200	203	495	663	450	559	1092	450	660	1230	500
250	254	622	855	500	622	1300	500			
300	306	699	905	500	711	1400	550			

ALL DIMENSIONS ARE IN MM

Manufacturing Range

TYPE	ASME CLASS	PIPE ENDS	SIZES																	
			15 1/2"	20 3/4"	25 1"	40 1 1/2"	50 2"	65 2 1/2"	80 3"	100 4"	125 5"	150 6"	200 8"	250 10"	300 12"	350 14"	400 16"	450 18"	500 20"	600 24"
Gate Valve	150	FLANGE				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	300	FLANGE				•	•	•	•	•	•	•	•	•	•					
	600	FLANGE				•	•	•	•	•	•	•								
Globe Valve	150	FLANGE				•	•	•	•	•	•	•	•	•	•	•	•			
	300	FLANGE				•	•	•	•	•	•	•	•	•	•					
	600	FLANGE				•	•	•	•	•	•	•								
Swing Check Valve	150	FLANGE				•	•	•	•	•	•	•	•	•	•	•	•			
	300	FLANGE				•	•	•	•	•	•	•	•							
	600	FLANGE				•	•	•	•	•	•	•								
NON SLAM CHECK VALVE	150 & 300	WAFER	•	•	•	•	•	•	•	•	•	•								
SWING/SPRING LOADED CHECK VALVE	PN 16	WAFER			•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

NOTE : 1) OPERATOR : HAND WHEEL & GEAR FOR GATE AND GLOBE VALVES

2) EXTENDED STEM IN & GATE & GLOBE VALVES CAN BE PROVIDED TO SUIT PIPING INSULATIONS.

API 600 Trim Material

API Trim No.	Trim Code	Stem/ Back Seat	Seating Surface	Disc/Wedge Surface	Service
1	F6	13% Cr 200-275 HBN MIN.	13% Cr 250 HBN MIN.	13% Cr 200 HBN MIN.	For Oil & oil vapors and general services with heat treated seats and wedges. Generally very low erosive or non-corrosive service between -100°C and 320 °C. Steam, gas & general service to 370 °C. Oil & Oil vapor 480°C.
2	304	SS 304	SS 304	SS 304	For moderate pressure in corrosive, low erosive service between -265 °C and 450 °C.
4	F6H	13% Cr 200-275 HBN MIN.	13% Cr (Hard) 200-275 HBN F6+St.Gr.6	13% Cr (Hard)	Seats 275 BHN min. As trim 1 but for medium pressure and more corrosive service.
5	F6HF	13% Cr 200-275 HBN MIN.	13% Cr 350 HBN MIN.	F6+St.Gr.6 350 HBN MIN.	High pressure slightly erosive and corrosive service between -265°C and 650°C and higher pressure. Excellent for high pressure water and steam service.
8	F6HFS	13% Cr 200-275 HBN MIN.	13% Cr.+ Hard Facing 350 HBN MIN.	13% Cr.+ Hard Facing 350 HBN MIN.	For moderate pressure and more corrosive service, Steam, gas & general service to 540°C.
10	316	SS 316	SS 316	SS 316	For superior resistance to corrosion for liquids and gases which are corrosive to SS410 upto 455°C. Provides excellent resistance to corrosive media at high temperatures and toughness for service at low temperatures.
12 or 12A	316HFS	SS 316	SS316+ Hard Facing 350 HBN MIN.	SS316+ Hard Facing 350 HBN MIN.	Same as trim no. 10 but for medium pressure and more corrosive services

Other trim combinations on demand

HF : Hard facing Using Co or Ni. Cr welding alloy (Stellite)

Note : Data provided in this chart for information purpose only. Always consult latest API publications to verify information and trim data. MEWPL recommends that customer's engineers analyse service requirement and specify the materials they consider for optimum for the service conditions. Temperatures shown will vary depending on service applications, pressure and media type.



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