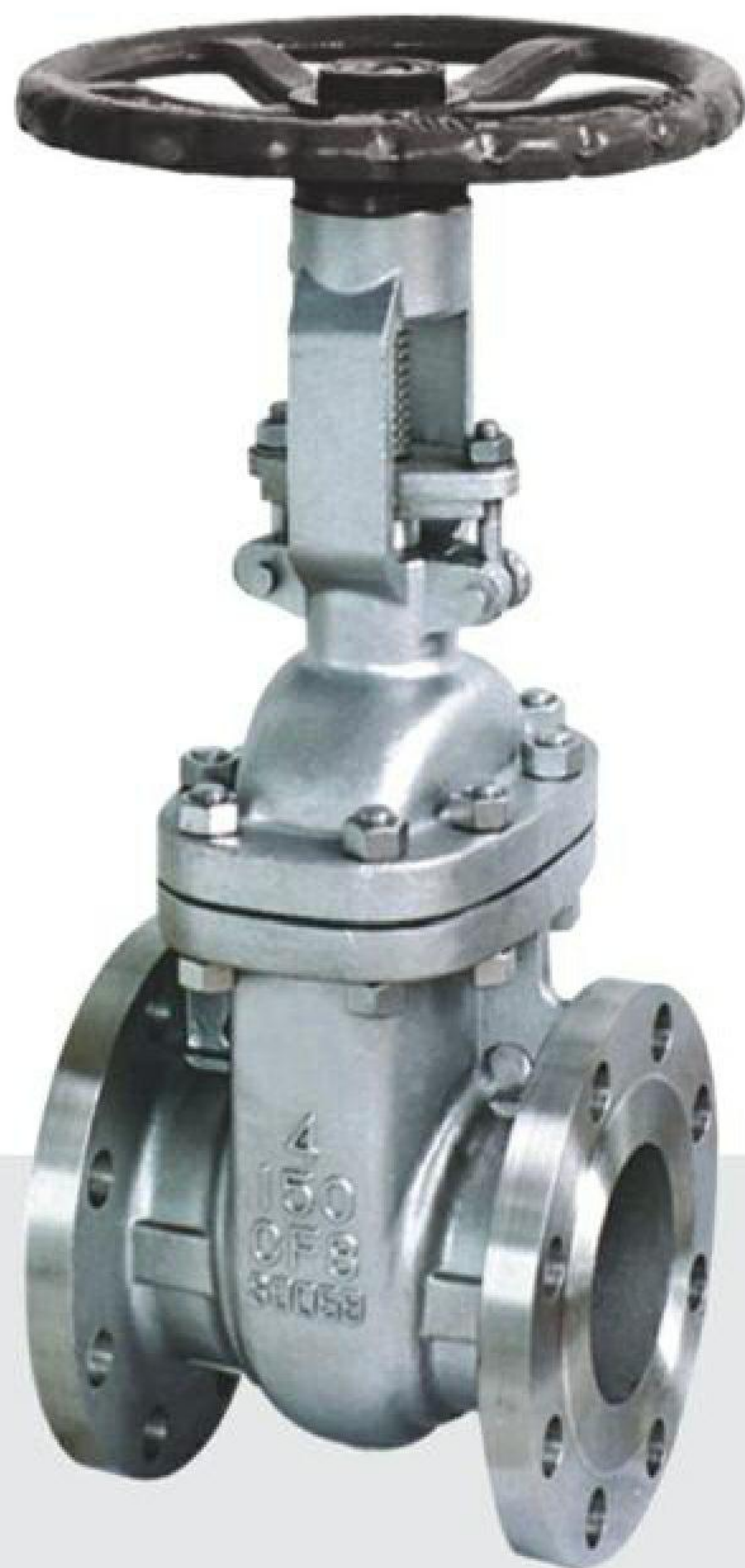


ENGINEERING RE-DEFINED



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

Gate Valve

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



SIZE	CLASS	MODEL NO.
DN 40-600 (1 1/2"-24")	150	GT-1-F-F-A1
DN 40-300 (1 1/2"- 12")	300	GT-1-F-F-A2
DN 50-200 (2" - 8")	600	GT-1-F-F-A3



Features

- The Stem nut design allows for The removal of the hand-wheel while keeping The Stem and gate in fixed position.
- Anti-frictional bearings are provided in higher sizes & classes for smoother operation.
- All The valves provided with backseat arrangement.
- Bi-directional shut-off
- Body ports are streamlined, permitting unobstructed flow, reduced turbulence, result in low pressure drop and lower erosion.
- Solid Wedge up to DN 65 & Flexible for above sizes
- Renewable Press fit type for Seat CS & Integral for SS
- Full bore assures NO PRESSURE DROP across the valve
- 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.

OPTIONS

- Bonnet Extension are provided for Low temperature/Cryogenic services.
- Locking devise helps to prevent accident in plant/theft of material/assured open/close condition etc.

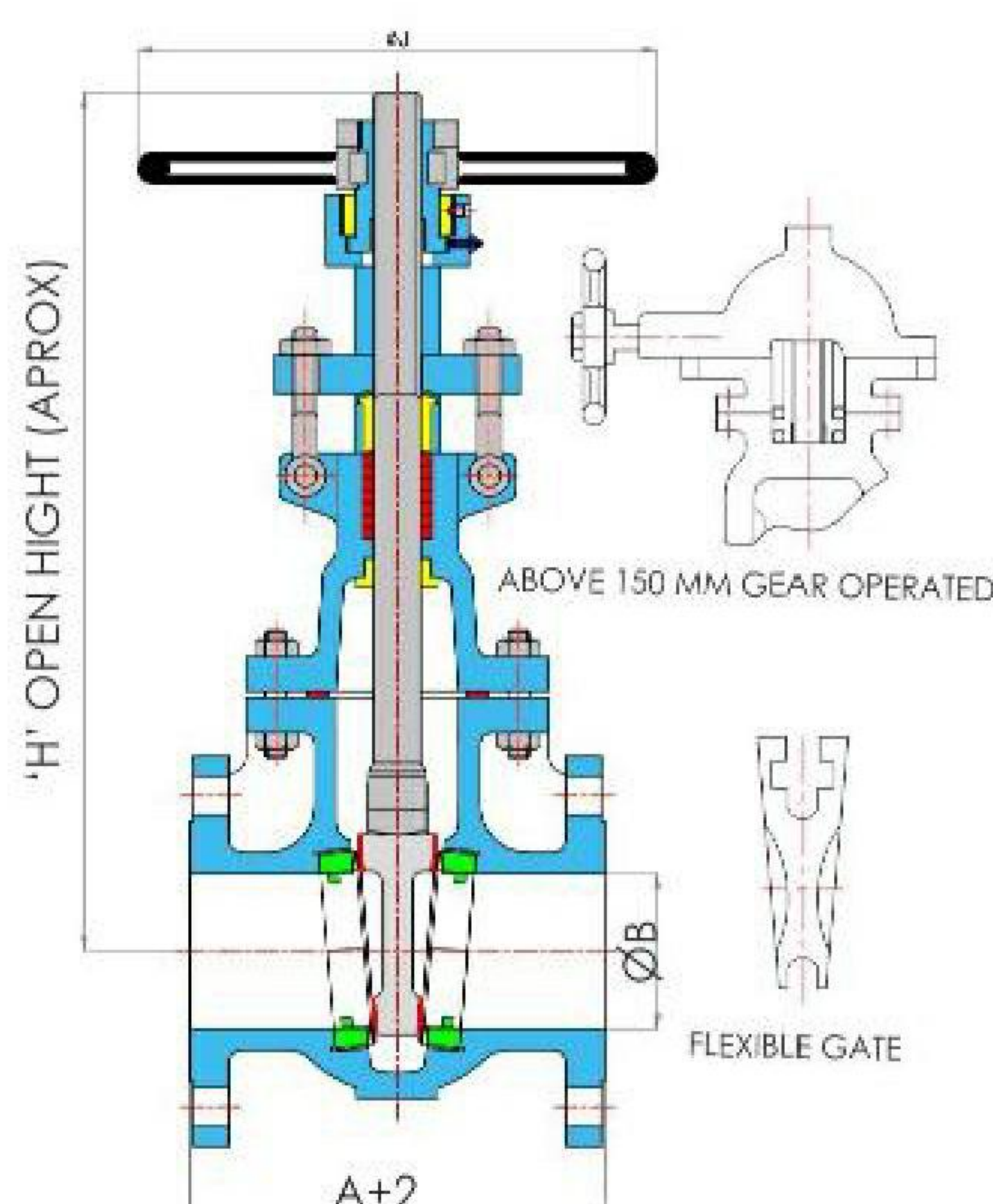
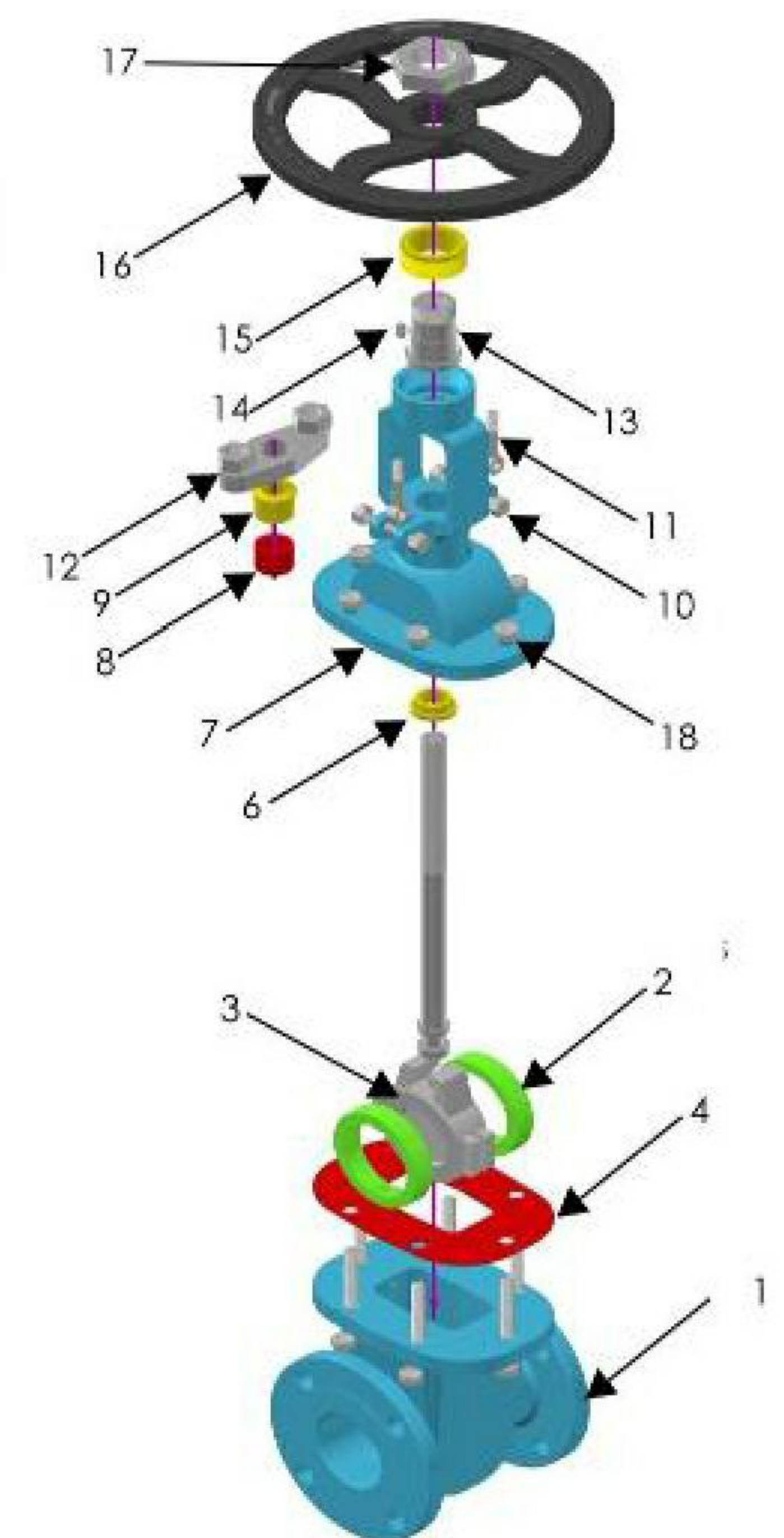
STANDARDS COMPLIANCE

- Valve Design API 600, API 603 & ISO 10434 ASME B16.34 BS 1414
- End to End ASME B16.10 & ISO 5752
- Flanged Dimensions ASME B16.5 & ISO 7005-1 Part. 1
- Buttweld 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					
1	BODY	ASTM SPECIFICATION					
		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	WEDGE	A276-420 OR WITH STL.		304/304 STL.	304 L/304L STL.	316/316 STL.	316 L /316 L STL
4	BODY JOINT GASKET	SS 304 SPW + GRAPHITE				SS 316 SPW + GRAPHITE	
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	CROSS BOLT & NUT	CARBON STEEL			STAINLESS STEEL		
11	EYE BOLT & NUT	A 193 GR.B7/194 2H	A 320 L7M/194 7M	A 193 GR.B7/A194 GR.2H OR B8/8			
12	GLAND FLANGE	CARBON STEEL			STAINLESS STEEL		
13	YOKE SLEEVE	SG IRONNICKEL RESIST					
14	HAND WHEEL KEY	CARBON STEEL					
15	YOKE SLEEVE NUT	CARBON STEEL			STAINLESS STEEL		
16	HAND WHEEL	CARBON STEEL			CARBON STEEL / STAINLESS STEEL		
17	HAND WHEEL NUT	CARBON STEEL / STAINLESS STEEL					
18	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			



SIZE	B	CLASS 150			CLASS 300			CLASS 600		
		A	H	J	A	H	J	A	H	J
25	25	127	205	152						
40	38	165	265	152	190	305	152			
50	51	178	397	203	216	405	200	292	480	250
65	63	190.5	420	203	241	470	250	330	530	250
80	76	203	487	254	282	505	250	356	360	300
100	102	229	611	254	305	615	300	432	750	350
125	125	254	745	305						
150	152	267	825	305	403	865	350	559	975	450
200	203	292	1060	356	419	1092	450	660	1230	500
250	254	330	1276	457	457	1300	500			
300	306	356	1484	508	502	1440	550			
350	336.5	381	1636	508						
400	387	407	1875	600						
450	438	432	2178	600						
500	489	457	2380	800						
600	591	508	2680	800						

ALL DIMENSIONS ARE IN MM

Design and dimensions are subject to change without prior notice

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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