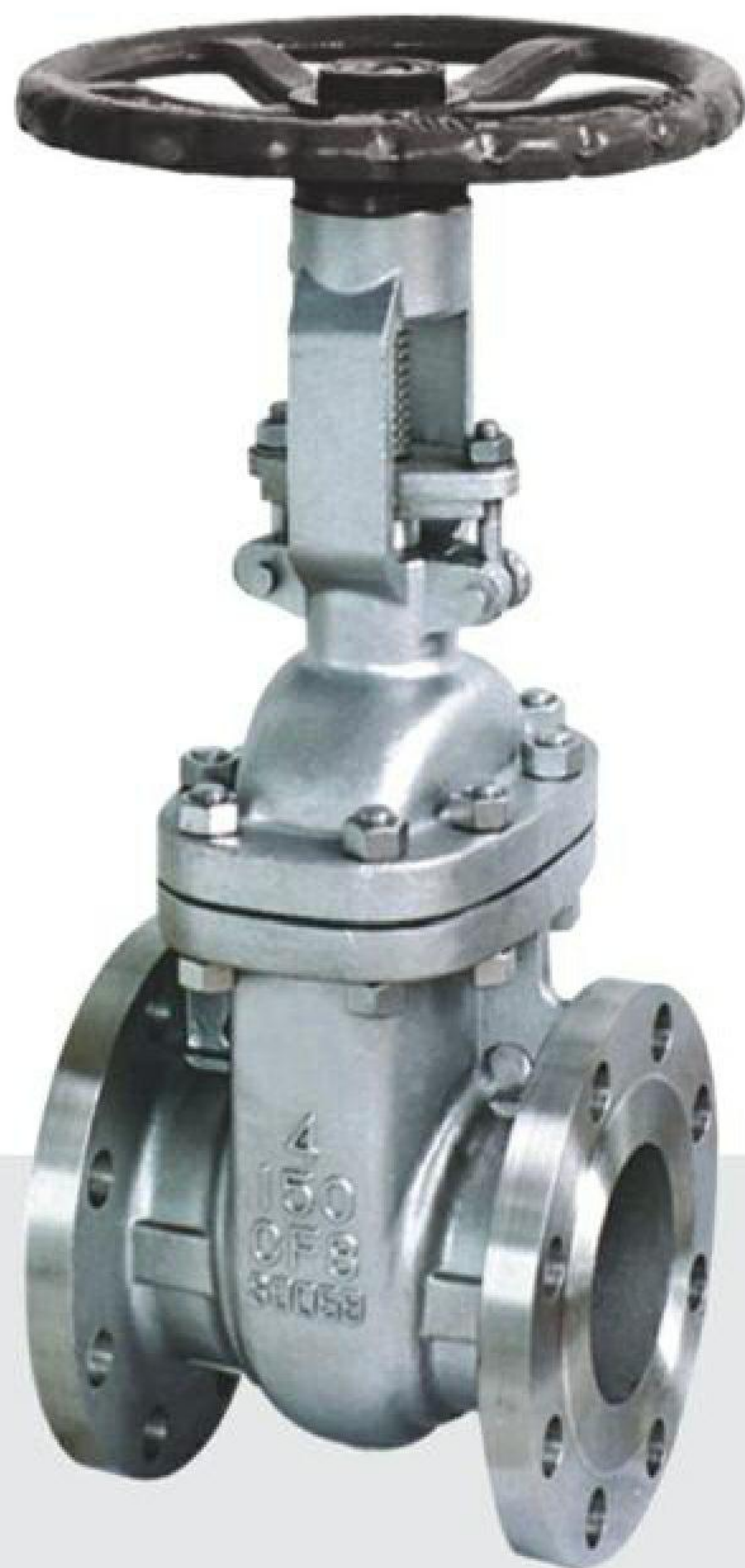


ENGINEERING RE-DEFINED



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

Wafer design spring loaded check valve

Carbon, Alloy and stainless steel (150 LBS / 300 LBS)



SIZE	CLASS	MODEL NO.
DN 15-150 (1/2"-6")	150	CH-W-3-F-A1
	300	CH-W-3-F-A2



FEATURES

- Low Cost
- Low pressure drop.
- Light weight / sturdy.
- Mount in any direction.
- Rapid open / close action.
- Space Req 6% of conventional valve.

Application

- In filtration & ion exchange process.
- In nitrogen & other gas generating plants.
- In down stream of pumps & equipment's.
- In vessels as foot valves & vacuum breaker valves.
- In refrigeration plants & air conditioning systems.

STANDARDS COMPLIANCE

- Design : API 594
- Pressure Test : API 598
- End Connection : Wafer type Suitable to Mount between BS 10/150/DIN Flanges

TESTS AND CERTIFICATES

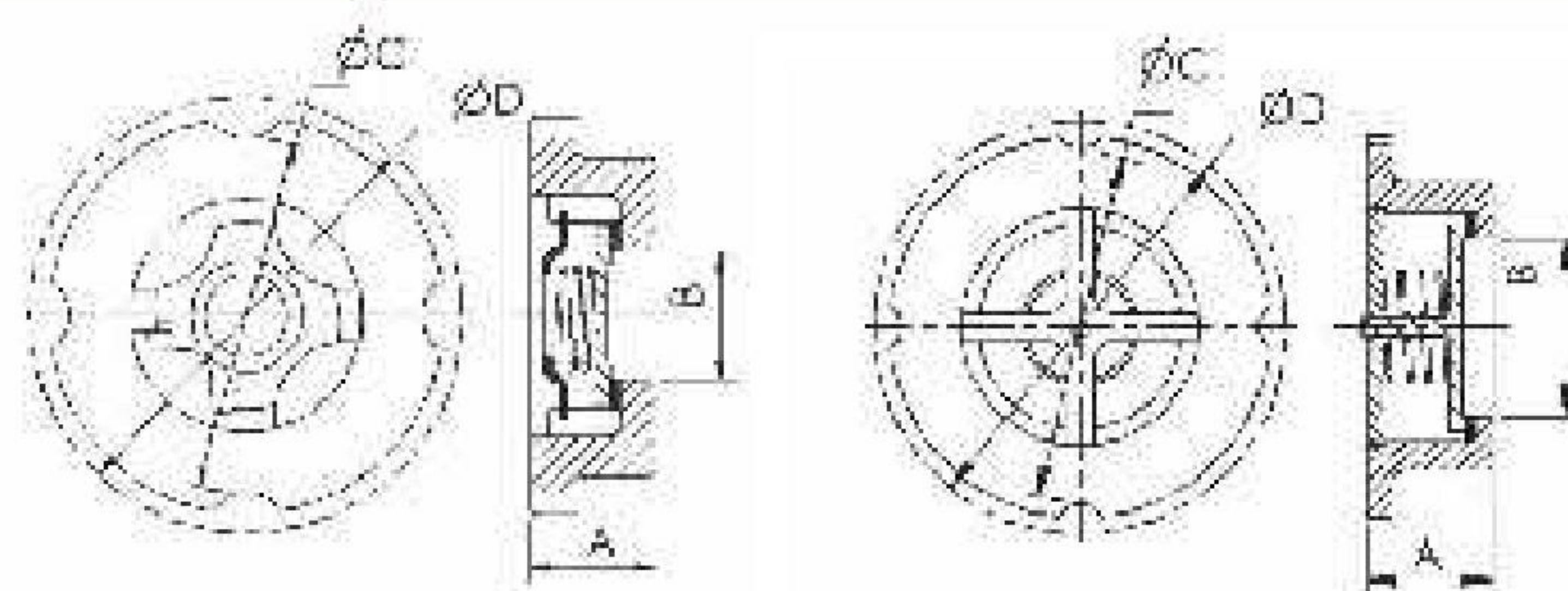
- Pressure testing API 598 & BS EN 12266-1
- Other ISO 9001:2008

DESCRIPTION	MATERIAL			
	ASTM SPECIFICATION			
BODY	CARBON STEEL A 216 WCB	SS304 A 351 CF8	SS316 A 351 CF8M	SS316 L A 351 CF3M
DISC & YOKE	SS304/A 351 CF8		SS316/ A 351 CF8M	SS316 L/ A 351 CF3M
SPRING/CIRCLIP	SS316			
SEAT	PTFE			

SIZE DISC

Size (B)	15	20	25	40	50	65	80	100	125	150
A	17	20	23	32	40	46	50	60	80	105
C	43	53	63	85	95	115	132	161	184	216
D	60	70	80	98	114	127	146	179	210	235
Wt / Kg	0.10	0.17	0.25	0.71	1.05	1.70	2.4	3.70	4.6	11.5

DIMENSIONS (mm)



Wafer Design Swing Check Valve

Carbon, Alloy and Stainless Steel (PN 10 / PN 16)

SIZE	CLASS	MODEL NO.
DN 25-600 (1"-24")	PN 10	CH-W-4-R-A22
	PN 16	CH-W-4-R-A13



FEATURES

- Low Cost
- Low pressure drop.
- Light weight / sturdy.
- Mount in any direction.
- Rapid open / close action.
- Space Req 6% of conventional valve.

Application

- In filtration & ion exchange process.
- In nitrogen & other gas generating plants.
- In down stream of pumps & equipment's.
- In vessels as foot valves & vacuum breaker valves.
- In refrigeration plants & air conditioning systems.

STANDARDS COMPLIANCE

- Design : API 594
- Pressure Test : API 598
- End Connection : Wafer type Suitable to Mount between BS 10/150/DIN Flanges

TESTS AND CERTIFICATES

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

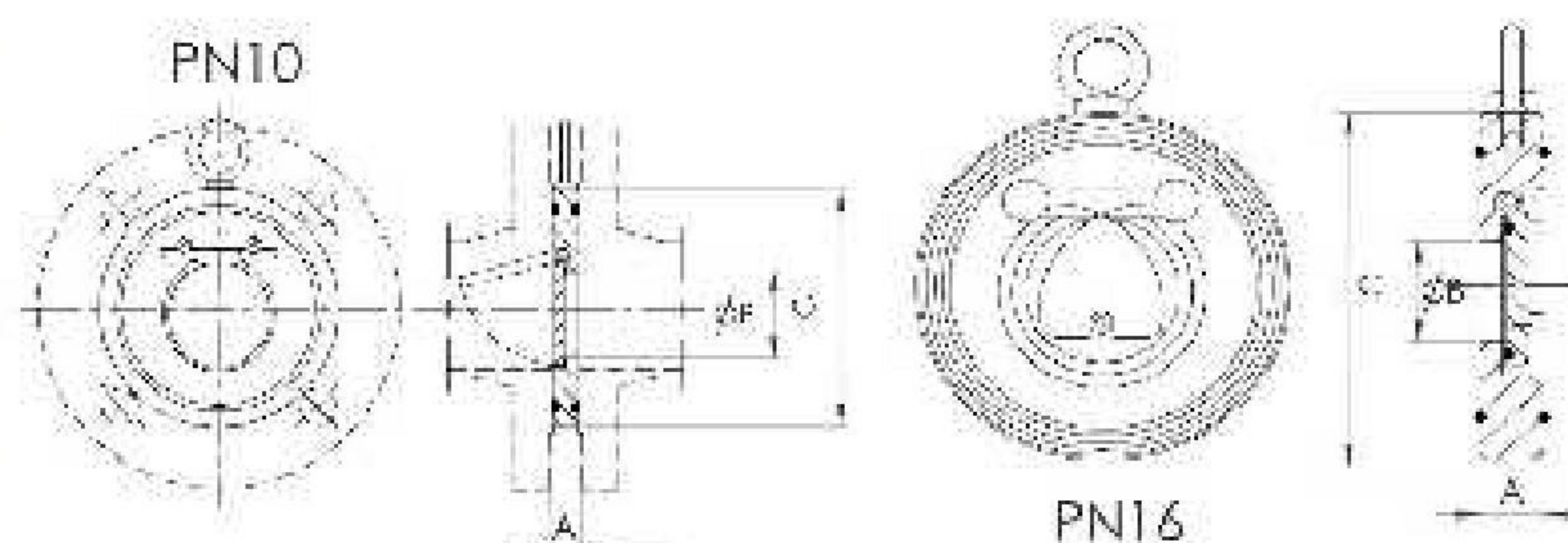
DESCRIPTION	MATERIAL			
	ASTM SPECIFICATION			
BODY	CARBON STEEL A 216 WCB	SS304 A 351 CF8	SS316 A 351 CF8M	SS316 L A 351 CF3M
DISC	SS304/A 351 CF8		SS316/ A 351 CF8M	SS316 L/ A 351 CF3M
SPRING/CIRCLIP	SS316 (PN 16 ONLY)			
SEAT	LPGM/PTFE			

SIZE DISC

Size	25	40	60	80	100	125	150	200	250	300	350	400	450	500	600
A	14	14	14	14	14	16	16	18	28	28	28	41	51	51	73
B	15	22	30	40	52	71	88	114	157	175	200	273	310	360	490
C	64	87	101	121	135	164	194	229	275	300	340	440	541	654	865
Wt	22	22	22	22	22	24	26	29	43	63	83	122	162	200	390

DIMENSIONS (mm)

A & B for PN 10 & A, B, C for PN 16



Manufacturing Range

TYPE	ASME CLASS	PIPE ENDS	SIZES																	
			15	20	25	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
			1/2"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"	10"	12"	14"	16"	18"	20"	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 CEHCK 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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