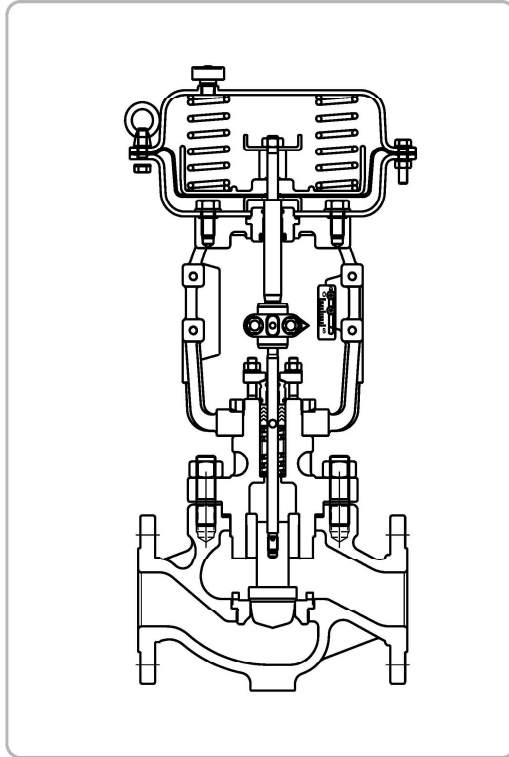


GLOBE VALVE

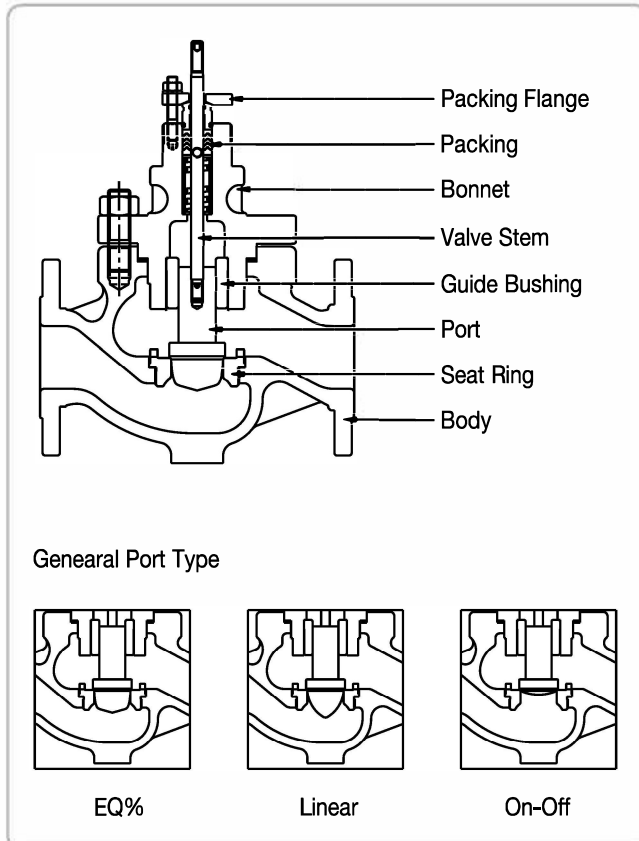
2 WAY TOP GUIDE SINGLE SEATED TYPE

1. INTRODUCTION : SINGLE SEATED TYPE



1100 Series : Top-Guide Single Seated Control Valve has been designed and manufactured to control the flow of precise fluid and complicated fluid amounts. The valve plug has been designed to withstand fluctuating vibration levels by allowing sufficient guide to control and manage the interruptions. To minimize pressure loss at low temperatures, it has an "S" type design in accordance to the IEC standards to allow great amounts of fluid to flow. The valve's top entry type design allows for maintenance and repair. It is capable of adapting to varying fluid amounts and fluid type changes in the process line. The valve is considered economical because it does not require many accessories. It has been proven to be efficient with the ability to control the process line with high temperatures, high pressures, and fluids with high viscosity. The single seat design of the valve allows for tight shut-off. This valve is appropriate with systems that require quick shut-off and is especially useful during emergency situations.

2. INNER STRUCTURE & STANDARD SPECIFICATIONS



Pressure Rating
Ansi Class 150, 300, 600, 900, 1500

End Connection
Flange End : FF, RF, RTJ, SW, BW, etc.

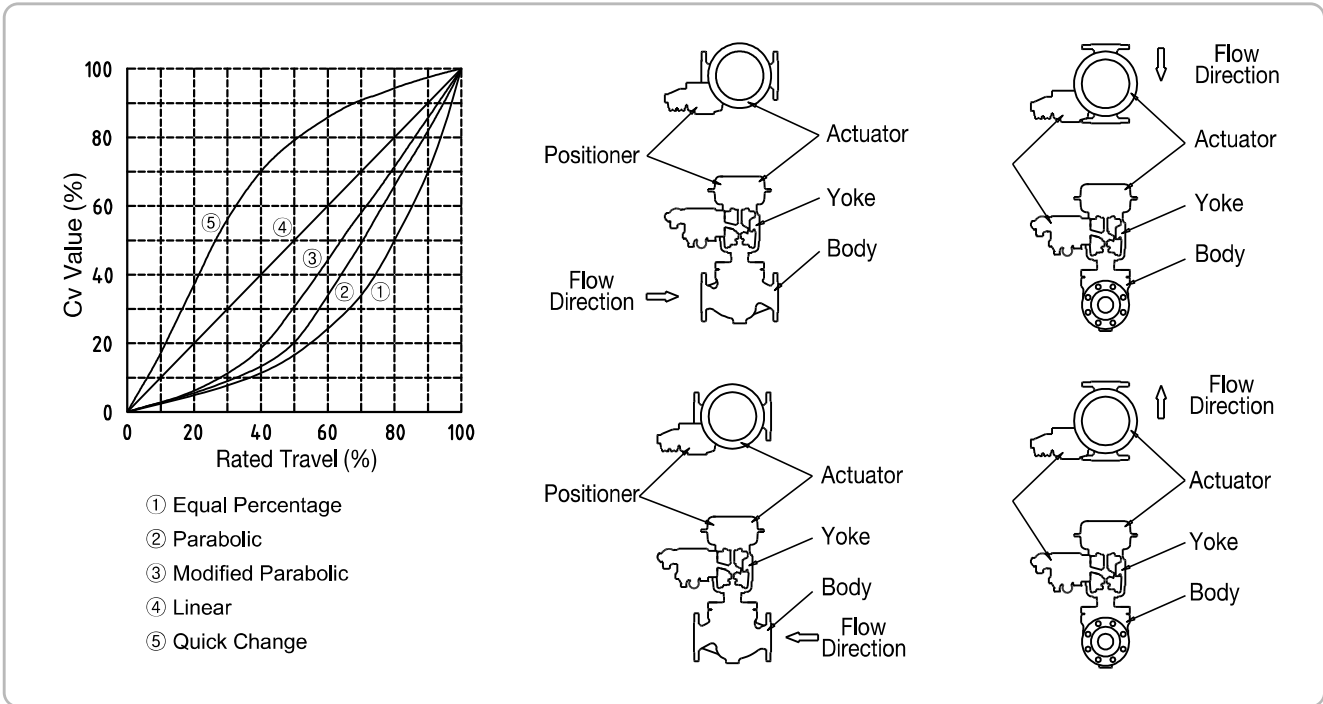
Material
Body : A216-WCB, A351-CF8/CF8M/CF3/CF3M, etc.
Trim : A276-304/316/304L/316L, etc.
Gasket : A240-316 + Graphite Spiral Wound, etc.

Flow Direction
FTC : Flow action to Close

GLOBE VALVE

2 WAY TOP GUIDE SINGLE SEATED TYPE

3. FLOW CHARACTERISTIC & POSITIONER LOCATION



4. COMBINING THE VALVE BODY, BONNET AND TRIM MATERIAL

Parts Name		Materials		
Body, Bonnet		ASTM A216-WCB	ASTM A351-CF8	ASTM A351-CF8M
Trim	Seat Ring	A351-CF8M(+Stellite), A351-CF8(+Stellite)		A351-CF8M(+Stellite)
	Valve Plug			
	Valve Stem	A276-316 (Hard Chromium Plated)		
	Vuide Bushing	A276-420J2 (Hard Face)		A351-CF8M(Hard Cr Plated)
Stud Bolt & Nut		SNB7 / S45C(H) S45(H) / S45C(N)	A193-B8 / A194-8	

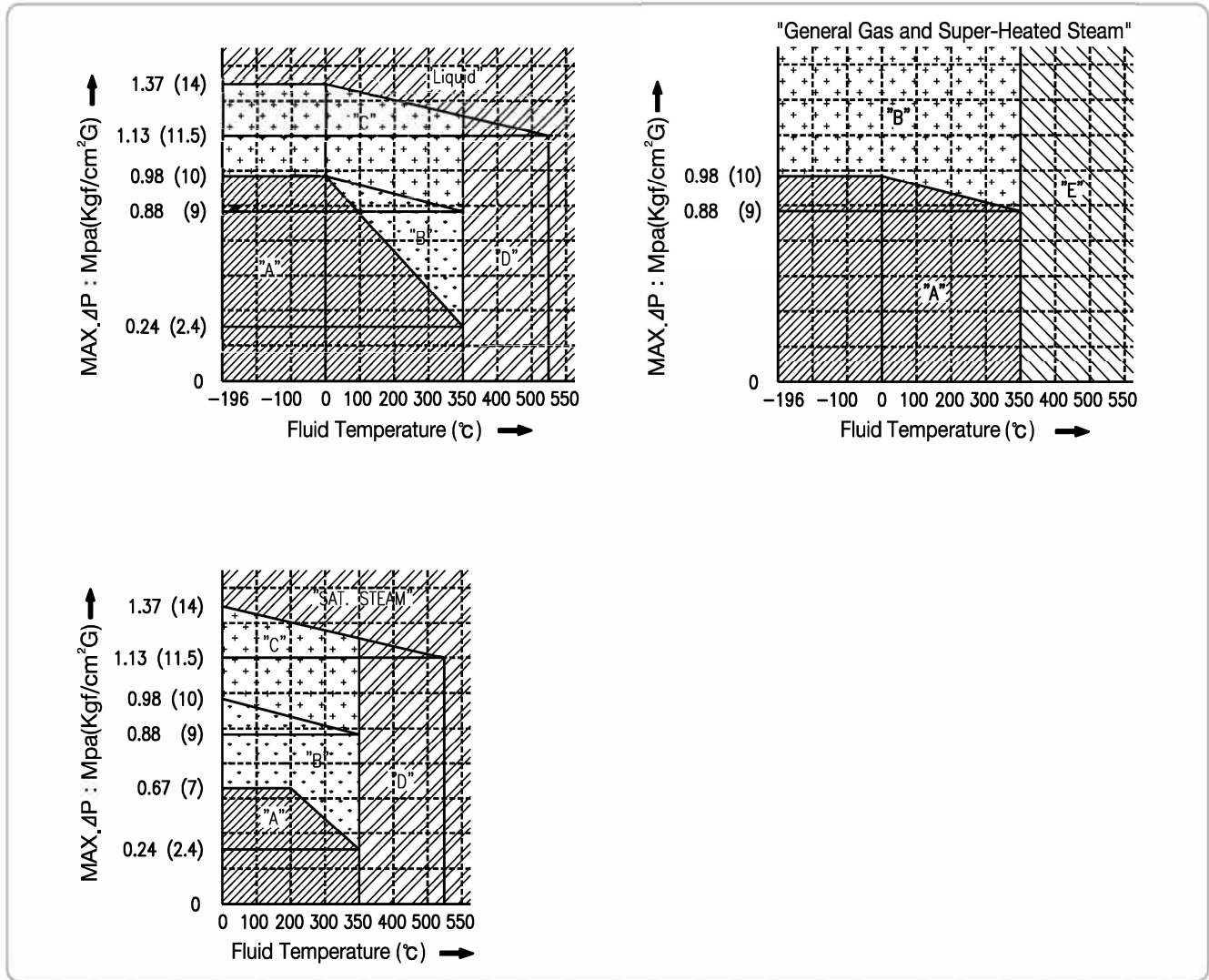
5. STANDARD SIZE & Cv VALUE

Valve Type		2 Way Globe For Single Seated Type											Remark	
Size	inch	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8		
	mm	15	20	25	40	50	65	80	100	125	150	200		
Rated Travel (mm)		15	15	15	25	25	25	38	38	50	75	75		
Cv Value (Full)	Control Type	6	9	14	28	40	50	70	90	130	130	280	340	660
	On-off Type	8	11	16	50	60	80	140	190	300	370	700		

GLOBE VALVE

2 WAY TOP GUIDE SINGLE SEATED TYPE

6. TRIM TREATMENT & MATERIAL VS OPERATING PRESSURE-TEMPERATURE RATINGS



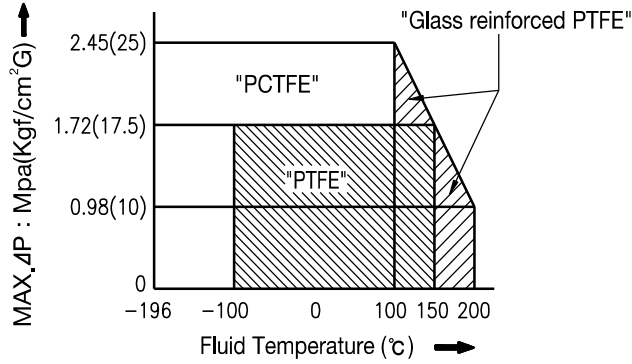
NOTE

- (1) Seat ring of on-off control valve and of throttling control valve for tight shut off is hard faced at the area of Stellite seat and cover.
- (2) In case of flushing fluid, seat ring is hard faced at the area of Stellite area.
- (3) In case of fluid sort, at 350°C and over, guide bushing and guide post is hard faced by Stellite treatment.
- (4) In case of saturated steam, if inlet pressure is 0.69Mpa (7Kg/cm²G) and over, seat ring is hard faced at the area of Stellite seat and over.

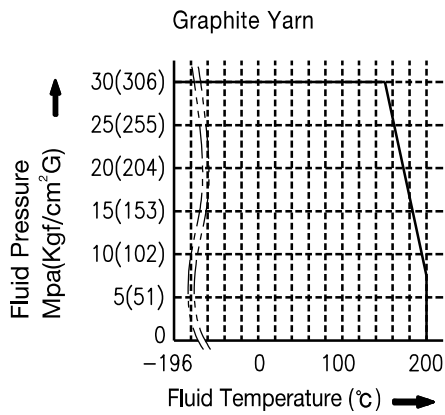
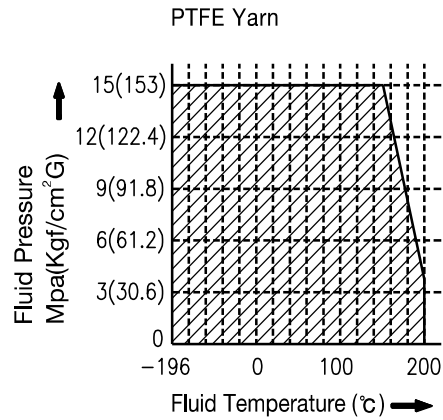
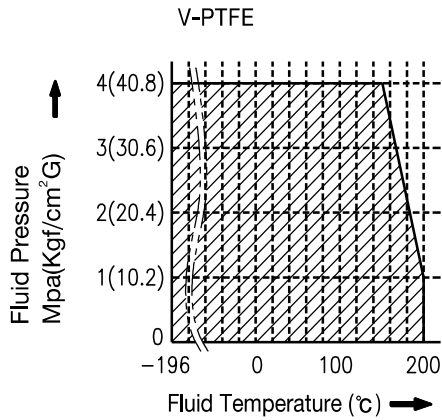
GLOBE VALVE

2 WAY TOP GUIDE SINGLE SEATED TYPE

7. SOFT SEAT OPERATING PRESSURE-TEMPERATURE RATINGS



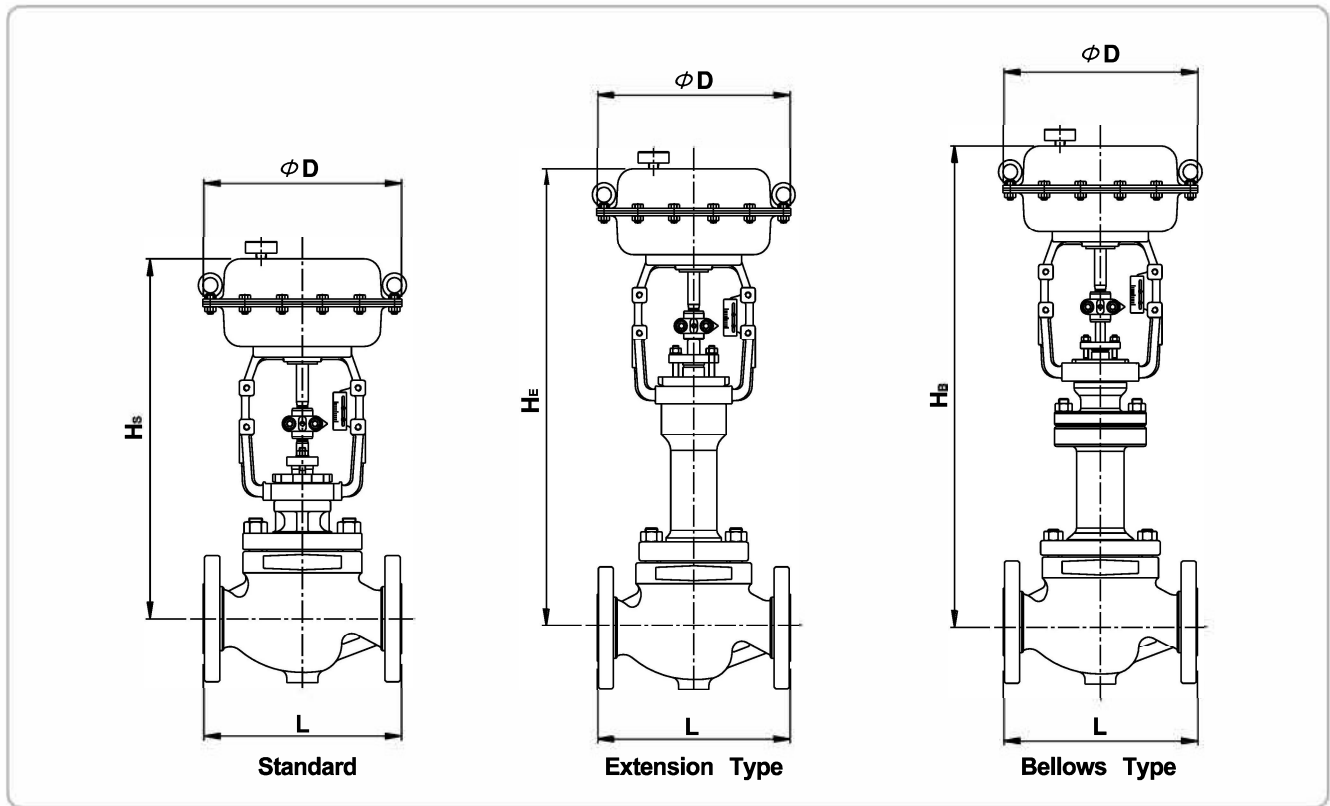
8. GRAND PACKING OPERATING PRESSURE-TEMPERATURE RATINGS



GLOBE VALVE

2 WAY TOP GUIDE SINGLE SEATED TYPE

9. STANDARD EXTERNAL DIMENSIONS



Unit : mm

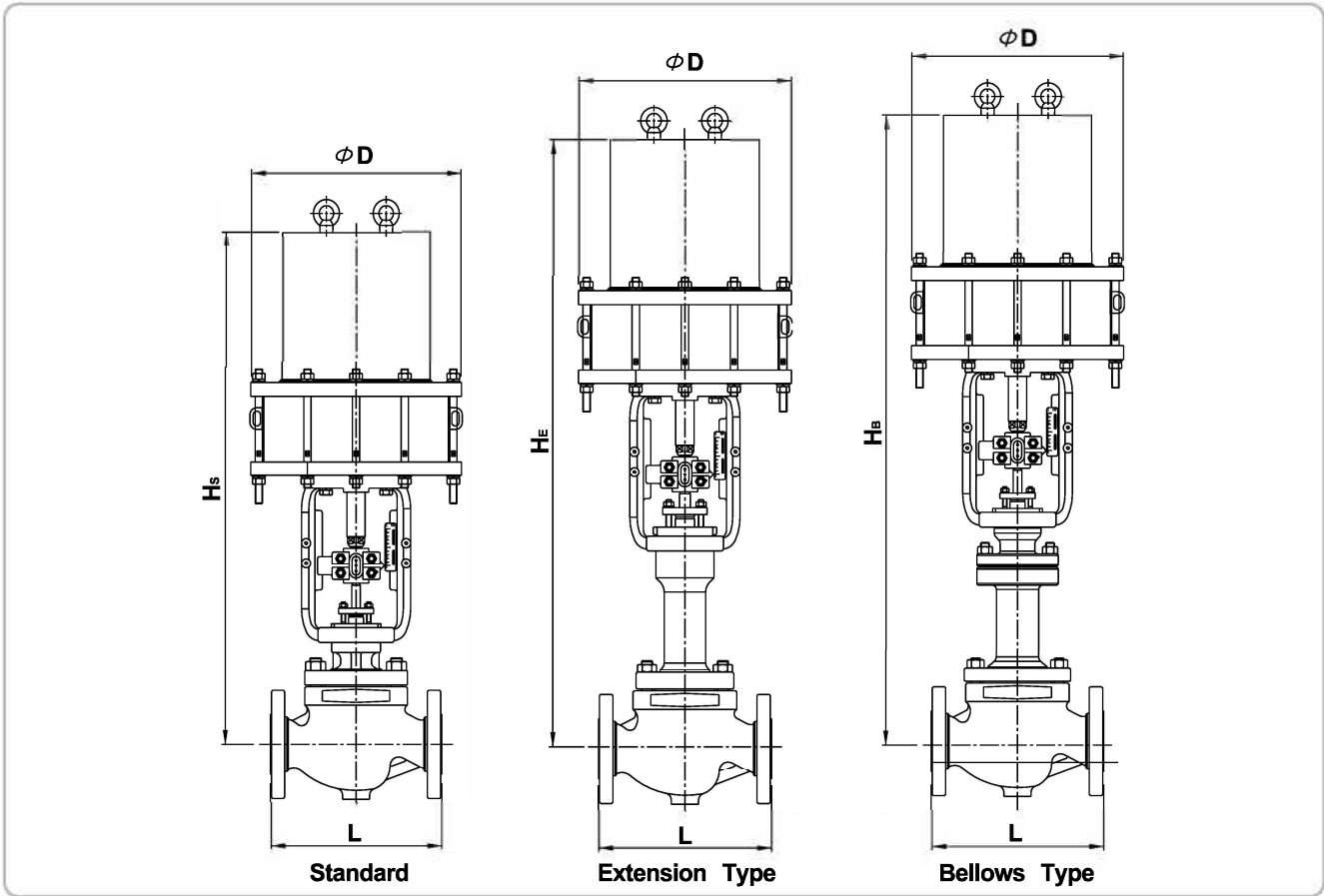
Size(Inch)	150Lb RF				300Lb RF				ϕD
	Hs	HE	Hb	L	Hs	HE	Hb	L	
	Standard	Extension	Bellows	Face To Face	Standard	Extension	Bellows	Face To Face	
1/2	310	435	595	184	310	435	595	190	220
3/4	310	435	595	184	310	435	595	184	220
1	375	510	670	184	375	510	670	197	270
1 1/2	500	590	730	222	500	590	730	235	270
2	500	600	750	254	500	600	750	267	270
2 1/2	630	730	900	276	630	730	900	292	365
3	635	755	925	298	635	755	925	318	365
4	660	780	970	352	660	780	970	368	365
5	860	990	1170	403	860	990	1170	425	-
6	955	1095	1270	451	955	1095	1270	473	-
8	1090	-	-	543	1090	-	-	568	-

NOTE

Face to face dimensions conform to IEC 534-3 : 1976 specifications.

GLOBE VALVE

2 WAY TOP GUIDE SINGLE SEATED TYPE



Unit : mm

Size(Inch)	600Lb RF				900Lb RF				φ D
	Hs	HE	HB	L	Hs	HE	HB	L	
	Standard	Extension	Bellows	Face To Face	Standard	Extension	Bellows	Face To Face	
1/2	365	490	595	203	365	490	595	273	140
3/4	365	490	595	206	365	490	595	273	140
1	411	546	670	210	411	546	670	273	220
1 1/2	536	626	730	251	536	626	730	311	220
2	550	650	750	286	550	650	750	340	280
2 1/2	680	780	900	311	680	780	900	365	280
3	711	831	925	337	711	831	925	387	320
4	736	856	970	394	736	856	970	464	320
5	923	1053	1170	457	923	1053	1170	587	380
6	1018	1158	1270	508	1018	1158	1270	600	380
8	1120	1320	1480	610	1120	1320	1480	781	480

NOTE

Face to face dimensions conform to IEC 534-3 : 1976 Specifications.