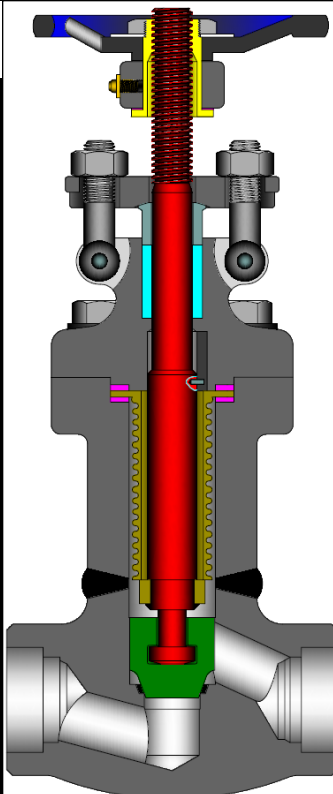


STANDARD MATERIALS
 (Other materials available)

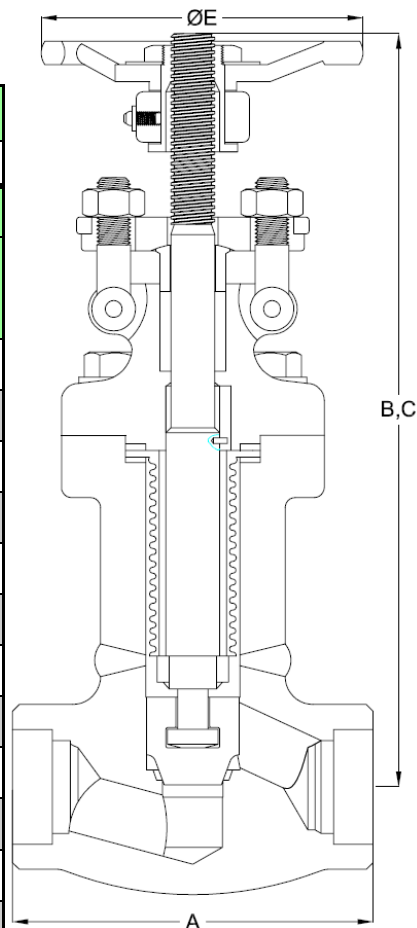
PART	MATERIALS	
Body	A105 + Stellite 6 Faced	A182 F316L + Stellite 6 Faced
Bonnet	A105	A182 F316
Disc	A182 F316	
Stem	A182 F316	
Bellows	316Ti	
Gland Flange	A105	A182 F316
Eye Bolt	A193 Gr. B7	A193 Gr. B8M
Eye Bolt Nut	A194 Gr. 2H	A194 Gr. 8M
Gland	Series 300 SST	
Packing	Graphite	
Gasket (2)	Spiral Wound SST with Graphite	
Hand Wheel	Malleable Iron or Steel	
Hand Wheel Nut	Malleable Iron or Steel	
Body / Bonnet Bolting (2)	A193 Gr. B7	A193 Gr. B8M
Identification Plate	Series 300 SST	


DESIGN FEATURES:

- **Standard trim** is API trim 12 with 316Ti bellows.
- **Stems** of hand wheel operated design are rotating / rising design.
- **Each** valve is shell, seat and back-seat pressure tested per industry standard API 598.
- Other **Bellows** material options are available. Bellows are hydro-formed rather than welded.
- **Other** available options as follows:
 - Alternate valve materials such as chrome and stainless steel alloys
 - Alternate trim materials
 - NACE service
 - Special cleaning for applications such as oxygen or chlorine
 - Other options available as specified

Design Specifications

Item	Applicable Specification	SIZE	ASME 800			
		in mm	A	B	C	E
Wall thickness	API 602	½	3.11	8.2	8.5	3.9
Pressure - temperature ratings	ASME B16.34 & API 602	13	79	209	217	100
General valve design	API 602 & B16.34	¾	3.62	8.2	8.5	3.9
End to End dimensions	ASME B16.10	19	92	209	217	100
Thread design	ASME B1.20.1	1	4.37	9.8	10.1	4.9
Socket Weld design	ASME B16.11	25	111	248	257	125
Materials	ASTM	1¼	4.72	11.6	12.1	6.3
THREADED AND CLASS 150-600 FLANGED ENDS AVAILABLE.		32	120	295	307	160
		1½	5.98	11.6	12.1	6.3
B = Center to top closed C = Center to top open		38	152	295	307	160
		2	6.77	13.2	13.7	7.1
		50	172	336	349	180


ADDITIONAL MATERIALS AND CLASSES AVAILABLE UPON REQUEST.