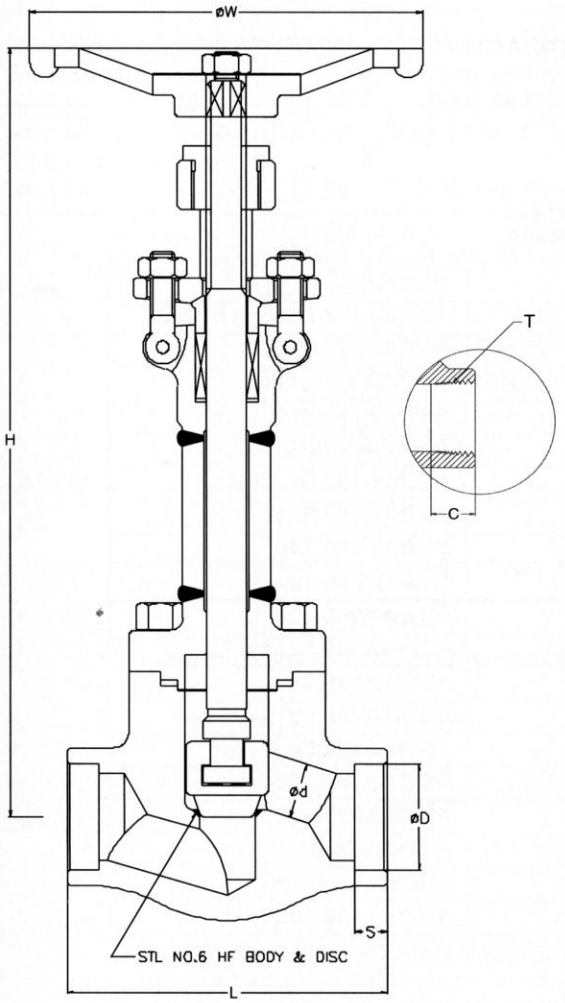
CRYOGENIC SERVICE
EXTENDED BONNET TYPE
O.S.&Y., RISING STEM
FIGURE NO. 9380

SOCKET WELD ENDS
SCREWED ENDS



Ratings:	Test Pressure (API 598):
Stainless Steel — ASTM A182 F316	Hydraulic : Shell — 2,900 p.s.i. Seat — 2,125 p.s.i.
1,920 p.s.i. at -20°F to 100°F	Air : Seat — 80 p.s.i.
Stainless Steel — ASTM A182 F316L	Hydraulic : Shell — 2,400 p.s.i. Seat — 1,775 p.s.i.
1,600 p.s.i. at -20°F to 100°F	Air : Seat — 80 p.s.i.

Standard Materials

Part Name	Material
Body	ASTM A182 F316 or F316L
Disc	ASTM A351 CF8M
Gasket	TEFLON + AISI 316
Bonnet Bolt	ASTM A193 Gr. B8M
Extended Bonnet	ASTM A182 F316 or F316L
Stem	ASTM A276-316
Gland Packing	TEFLON
Gland	ASTM A276-316
Eye Bolt	ASTM A193 Gr. B8
Gland Flange	ASTM A182 F316
Eye Bolt Nut	ASTM A194 Gr. 8
Sleeve	ASTM B148 C954
Hand Wheel	ASTM A47
Name Plate	316SS
Lock Nut	ASTM A108-1025
Eye Bolt Pin	ASTM A276-304

This valve can be used in LIQUIFIED AIR, OXYGEN, and NITROGEN. Bonnet extension allows use on highly insulated lines; the expansion chamber assures heat loss so that packing and other valve control components can operate at ambient temperature.

Valve Dimensions mm (inch)

SIZE	CENTER TO TOP (OPEN) H	END TO END L	HAND WHEEL DIA. W	SEAT PORT ød	SOCKET WELD		THREAD	THREAD DEPTH	WEIGHT
					BORE øD	DEPTH S	T	C	KG (LB)
1/2"	282 (11.10)	79 (3.11)	100 (3.94)	10.0 (0.39)	21.70 (0.85) - 22.20 (0.87)	10 (0.39)	1/2" NPT	13.5 (0.53)	4.28 (9.4)
3/4"	282 (11.10)	92 (3.62)	100 (3.94)	14.0 (0.55)	27.05 (1.06) - 27.55 (1.08)	13 (0.51)	3/4" NPT	14.0 (0.55)	5.66 (12.5)
1"	335 (13.19)	111 (4.37)	125 (4.92)	18.0 (0.71)	33.80 (1.33) - 34.30 (1.35)	13 (0.51)	1" NPT	17.5 (0.69)	8.64 (19.1)
1-1/4"	395 (15.55)	152 (5.98)	160 (6.30)	24.0 (0.94)	42.55 (1.68) - 43.05 (1.70)	13 (0.51)	1-1/4" NPT	18.0 (0.71)	12.91 (28.5)
1-1/2"	395 (15.55)	152 (5.98)	160 (6.30)	30.0 (1.18)	48.65 (1.91) - 49.15 (1.93)	13 (0.51)	1-1/2" NPT	18.5 (0.73)	12.56 (27.7)
2"	435 (17.13)	172 (6.77)	180 (7.09)	35.0 (1.38)	61.10 (2.41) - 61.60 (2.43)	16 (0.63)	2" NPT	19.0 (0.75)	21.3 (47.0)