

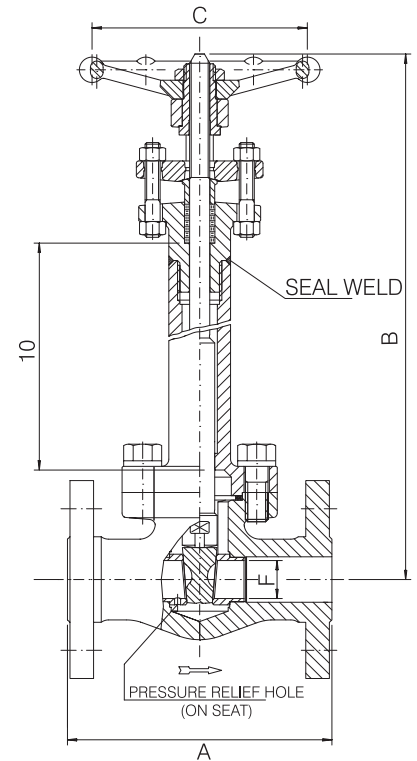
# CRYOGENIC VALVES- GATE TYPE- BOLTED BONNET- FULL & REDUCED PORT

**150 LB.**

**300 LB.**

**Design construction:**

- API 602- ASME B16.34- BS 5352- BS 6364
- Testing according to API 598
- Marking MSS SP25
- Outside Screw and Yoke (OS&Y)
- Self aligning two piece packing gland
- Spiral wound gasket
- Integral backseat
- Face to face according to ASME B16.10
- Flanges according to ASME B16.5
- Welded body- bonnet joint also available
- Ratings: stainless steel A182- F316
  - class 150 = 275 psig @ 100°F  
19 bar + 38°C
  - class 300 = 720 psig @ 100°F  
49 bar + 38°C



FULL PORT – FIG. 1C 10						
SIZE	inch mm	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch mm	4.25 108	4.62 117.5	5 127	6.5 165	7.01 178
B open	inch mm	16.93 430	17.52 445	18.50 470	21.06 535	23.42 595
C	inch mm	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172
F	inch mm	.55 14	.71 18	.94 24	1.44 36.6	1.89 48
Weight	lb. kg	10.5 4.8	13 5.9	19.25 8.7	32.5 14.7	42 19
PACKING		BH2	BH4	BH5	BY5	BY7
GASKET		G2	G3	G4	G7	G8

REDUCED PORT – FIG. 1CL 10						
SIZE	inch mm	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch mm	4.25 108	4.62 117.5	5 127	6.5 165	7.01 178
B open	inch mm	16.54 420	17.13 435	17.72 450	20.08 510	21.06 535
C	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138
F	inch mm	.38 9.6	.55 14	.71 18	1.18 30	1.44 36.6
Weight	lb. kg	9.5 4.3	11.25 5.1	14 6.4	27.25 12.4	35.25 16
PACKING		BH2	BH2	BH4	BH6	BY5
GASKET		G2	G2	G3	G5	G7

FULL PORT – FIG. 3C 10						
SIZE	inch mm	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch mm	5.51 140	6.00 152.5	6.5 165	7.52 191	8.50 216
B open	inch mm	16.93 430	17.52 445	18.50 470	21.06 535	23.42 595
C	inch mm	3.46 88	3.82 97	5.43 138	5.43 138	6.77 172
F	inch mm	.55 14	.71 18	.94 24	1.44 36.6	1.89 48
Weight	lb. kg	11.25 5.1	15.75 7.2	21.75 9.9	35.25 16	48.5 22
PACKING		BH2	BH4	BH5	BY5	BY7
GASKET		G2	G3	G4	G7	G8

REDUCED PORT – FIG. 3CL 10						
SIZE	inch mm	1/2 15	3/4 20	1 25	1 1/2 40	2 50
A	inch mm	5.51 140	6.00 152.5	6.5 165	7.52 191	8.50 216
B open	inch mm	16.53 420	17.12 435	17.72 450	20.08 510	21.06 535
C	inch mm	3.46 88	3.46 88	3.82 97	5.43 138	5.43 138
F	inch mm	.38 9.6	.55 14	.71 18	1.18 30	1.44 36.6
Weight	lb. kg	11.25 5.1	14.25 6.5	17.25 7.8	33 15	42 19
PACKING		BH2	BH2	BH4	BH6	BY5
GASKET		G2	G2	G3	G5	G7