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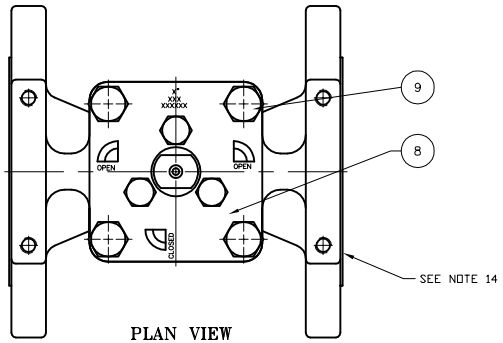
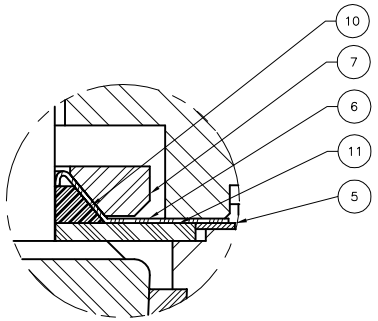
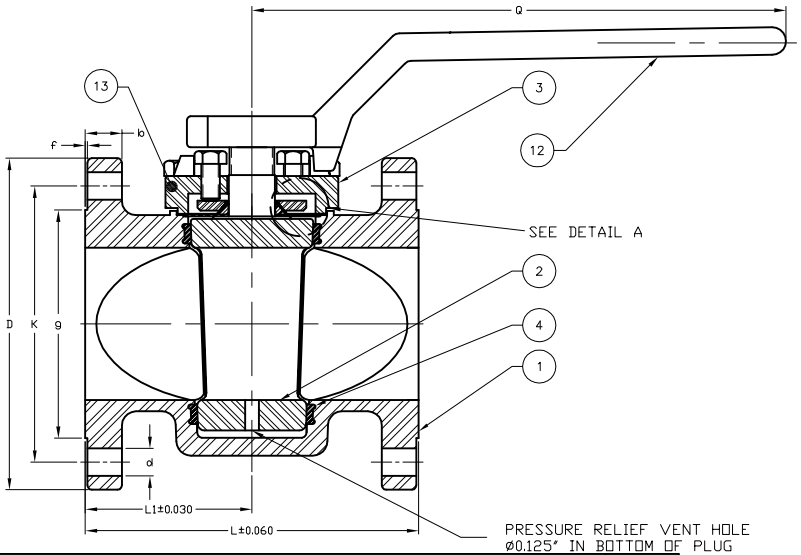
FOR PROPOSAL PURPOSES ONLY

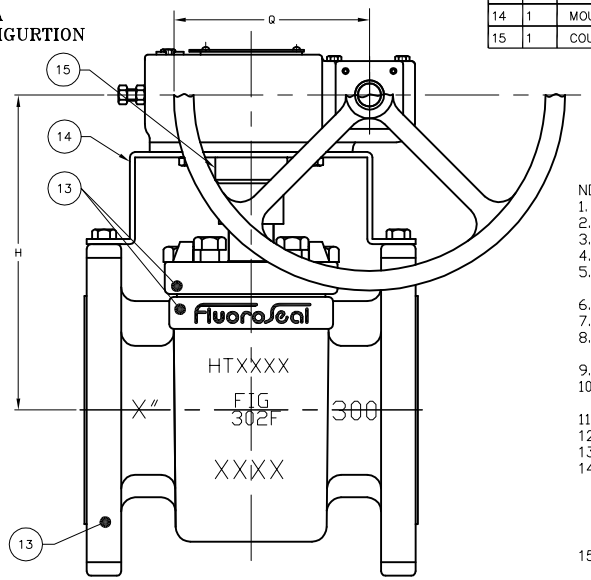


PLAN VIEW



DETAIL A
FIRE-SEAL CONFIGURTION





BILL OF MATERIAL

ITEM	QTY.	DESCRIPTION	DWG#	PART#
1	1	BODY , ASTM A494, M35-1	310-5-XXX	310-5-XXX
2	1	PLUG, ASTM A494, M35-1	420-5-XXX	420-5-XXX
3	1	COVER, ASTM A494, M35-1	500-5-0XX	500-5-5XX
4	1	SLEEVE, VIRGIN DUPONT PTFE	620-0-0XX	620-5-5XX
5	1	DIAPHRAGM, VIRGIN DUPONT PTFE	660-0-0XX	660-5-0XX
6	1	METAL DIAPHRAGM, MONEL 400	680-5-0XX	680-5-0XX
7	1	THRUST WASHER, ASTM A494, M35-1	640-5-0XX	640-5-5XX
8	3	ADJUSTMENT SCREWS, ASTM A193, B7M	PURCHASE	PURCHASE
9	4	COVER BOLTS, ASTM A193, Gr B7M	PURCHASE	PURCHASE
10	1	DELTA - RING, FLEX GRAPHITE	670-0-0XX	670-5-0XX
11	1	RING, FLEX GRAPHITE	675-0-0XX	675-5-0XX
12	1	HANDLE, ASTM A216, Gr.: WCB	X-0958	700-0-0XX
13	1	HF DETECTION PAINT SOCONY 220-Y-7	PURCHASE	PURCHASE
14	1	MOUNTING BRACKET, 304 S.S.	PURCHASE	PURCHASE
15	1	COUPLING, 4140	PURCHASE	PURCHASE

NOTES:
1. (W) WRENCH OPERATED
2. ACTUATORS OPTIONAL ON ALL SIZES
3. (EG) ENCLOSED GEAR OPERATED
4. FIRE TEST IN ACCORDANCE WITH API-607
5. INSPECTION & TESTING IN ACCORDANCE WITH API 598 & MSS SP61
6. THE MEDIUM FOR SHELL TEST IS WATER AT 925 PSI
7. THE MEDIUM FOR SEAT TEST IS AIR AT 411 PSI
8. ALL VALVES ARE DESIGNED, MANUFACTURED & TESTED IN ACCORDANCE WITH ASME B16.34
9. FACE TO FACE AS PER ASME B16.10
10. VISUAL METHOD FOR EXAMINATION OF SURFACE IRREGULARITIES AS PER MSS SP-55
11. THE WORKING PRESSURE @100 °F IS 600 PSI
12. SHELL TEST WITH HELIUM AT 160 PSI
13. NO LUBRICANTS ARE USED IN ASSEMBLY
14. THE FINISHING OF RAISED FACE IS A PHONOGRAPHIC OR CONCENTRIC V - SHAPED GROOVES, 46-49 GROOVES PER INCH, APPROX. 0.001" DEEP, USING A 0.030" TOOL NOSE RADIUS, IN ACCORDANCE WITH MSS-SP-6 & ASME B16.5 (2 PLACES)
15. THE ALLOWABLE TOLERANCE ON THE CONICAL SURFACE OF THE PLUG IS ±0.002"
16. NO LANTERN RINGS, GEARS, FITTINGS, PACKING, LUBRICANTS OR BULL PLUGS IN THE AREA OF THE BONNET PACKING IS USED
17. ALL DIMENSIONS ARE IN INCHES

TECHNICAL DATA

SIZE	L	H	D	K	G	b	f	d	Q	L1	Wt's(lbs)	Wt's(Kg)	% OF PORT
1/2"	5.50	3.69	3.75	2.63	1.38	0.56	0.060	0.63 (4X)	8.00	2.75	5	2.3	100
3/4"	6.00	3.69	4.63	3.25	1.69	0.63	0.060	0.75 (4X)	8.00	3.00	6	2.7	50
1"	6.50	4.50	4.88	3.50	2.00	0.69	0.060	0.75 (4X)	9.00	3.25	12	5.5	75
1-1/2"	7.50	5.31	6.13	4.50	2.88	0.81	0.060	0.88 (4X)	14.25	3.75	21	9.5	58
2"	8.50	6.25	6.50	5.00	3.63	0.88	0.060	0.75 (8X)	16.50	4.25	29	13.2	69
2-1/2"	11.13	6.56	8.25	5.88	4.13	1.13	0.060	0.88 (8X)	16.50	5.57	48	21.8	39
3"	11.13	6.56	8.25	6.63	5.00	1.13	0.060	0.88 (8X)	16.50	5.57	48	21.8	39
4"	12.00	7.53	10.00	7.88	6.19	1.25	0.060	0.88 (8X)	23.63	6.00	92	42	51
4" EG	12.00	9.10	10.00	7.88	6.19	1.25	0.060	0.88 (8X)	7.25	6.00	119	54	51
6" EG	15.88	10.80	12.50	10.63	8.50	1.44	0.060	0.88 (12X)	7.25	7.94	201	91.4	49

REV	DESCRIPTION	DATE	DFTR	APVD
0	NPD-0219	05/12/19	M.B.	A.R.

REVISION

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FluoroSeal SPECIALTY VALVES
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Montreal QC, H4T 1X4
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FAX: (514)739-5452

TITLE:
FLUOROSEAL PLUG VALVE
1/2"- 6" HF ALKYLATION SERVICE
302F - HF - MO - MO

SIZE	DWG NO.	REV
A	FPS-302-F-HF-FS-5-15	0

DRAWN BY: M.BENSALAH	DATE: 2005/12/19	SCALE: N.T.S.
CHKD BY: A.RDQUET	DATE: 2005/12/19	SHEET: 1/1

THIRD ANGLE PROJECTION DO NOT SCALE DRAWING