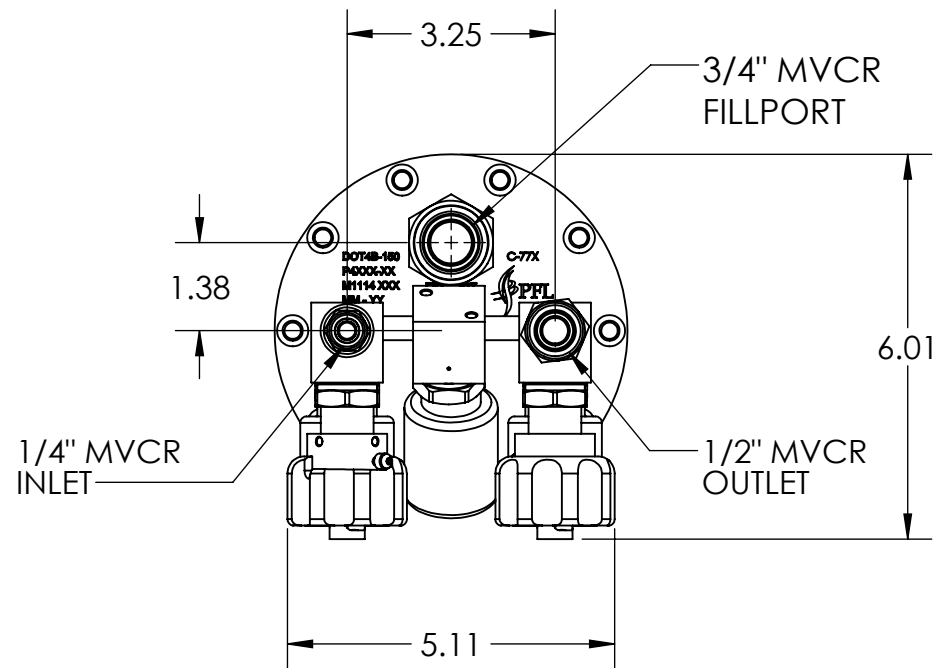
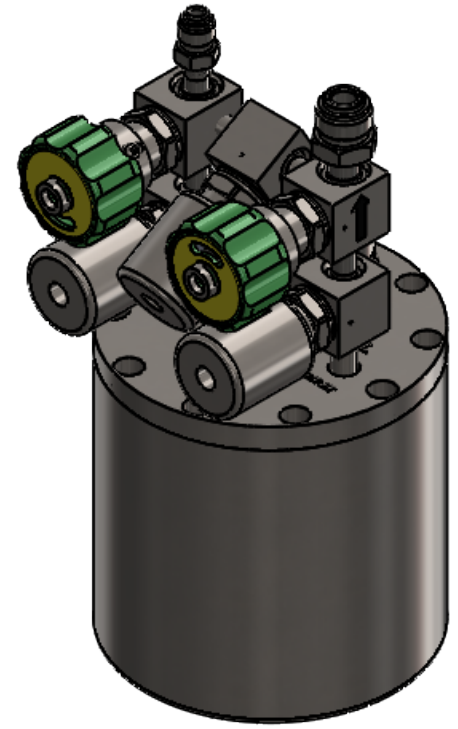


DESIGN SPECIFICATION	
CYLINDER MODEL	PF-1.2L-AMAT
CYLINDER SIZE	5.516" OD, 5.00" ID
CYLINDER WORKING VOLUME	1200cc
CYLINDER TOTAL VOLUME	1400cc
CYLINDER TARE WEIGHT	19.05 lbs
DESIGN PRESSURE	150 psig
TEST PRESSURE	300 psig
DESIGN TEMPERATURE	-40° TO 180° c
INTERNAL FINISH	10ra, ELECTROPOLISH
EXTERNAL FINISH	15ra, ELECTROPOLISH
FILLPORT	3/4" MVCR
INLET VALVE	AP4540/4657SM (5) AC/695 VS H3
OUTLET VALVE	AP4540/4657SM (5) AC/695 VS H3
THERMOWELL	NO
DIPTUBE	YES/INLET ELBOW
MATERIAL OF CONSTRUCTION	316L SS
D.O.T. SPECIFICATION	DOT4B-150
TOLERANCE (UNLESS OTHERWISE SPECIFIED)	±.010
SEAL TYPE	C-SEAL (TESTED WITH ELASTOMER SEAL)



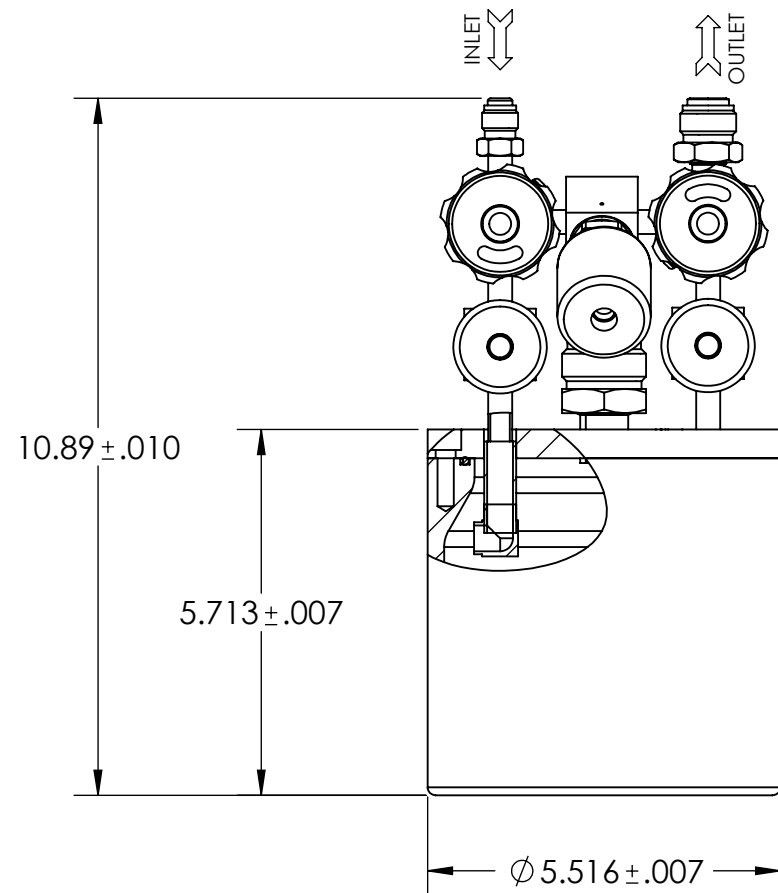
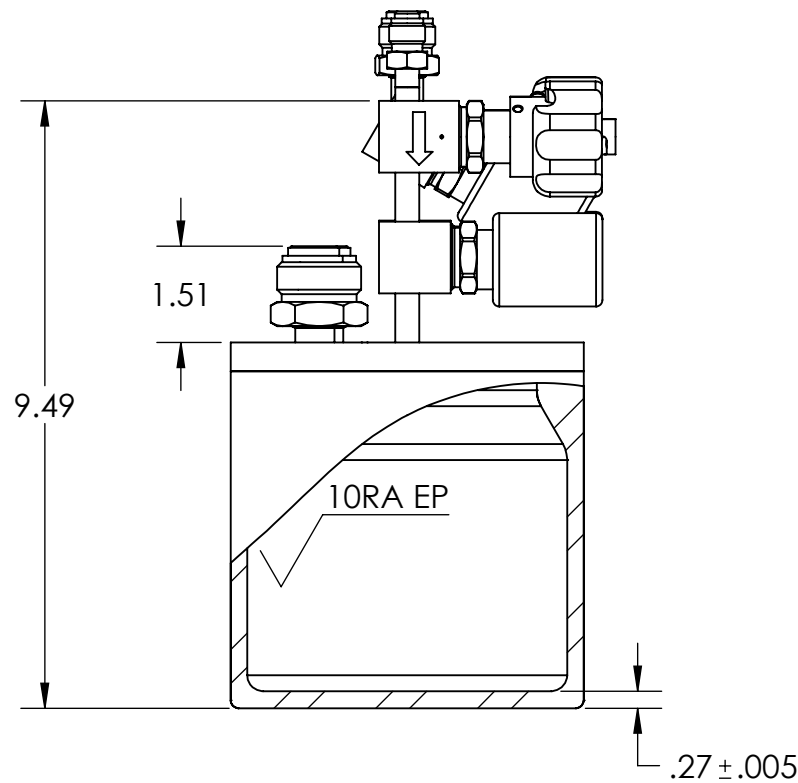
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	01	INITIAL DRAWING	04/28/2017	
	5	STANDARDIZE SEAL GROOVE	11/8/2017	
	6	CORRECT DESIGN TABLE	12/10/2018	



NOTES:

1. HELIUM LEAK TESTED TO 1 X 10⁻⁹ ATM-CC/SEC AS PER SEMI F1 AND ASTM E498
2. CONDUCTANCE @ROOM TEMP Cv>.5 FOR ALL EXCEPT BYPASS VALVE
3. MANUAL VALVE IS LOTO, LOCKED IN CLOSED POSITION
4. MATERIAL IN THE WETTED PATH: SS 316L

FABRICATOR: NOTE SEAL SIZE AND VERIFY INVENTORY



TOLERANCES UNLESS OTHERWISE SPECIFIED		
ANGULAR:	±0.5°	±0°30'
ONE PLACE DECIMAL:	±.1in	[±.254mm]
TWO PLACE DECIMAL:	±.01in	[.25mm]
THREE PLACE DECIMAL:	±.005in	[±.127mm]
BREAK ALL SHARP CORNERS:	R.02/01in	[R.50/.25mm]
SURFACE FINISH:	63	[1.6]

INTERPRET GEOMETRIC TOLERANCING PER THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED: PRIMARY DIMENSIONS ARE INCH. ALTERNATE UNITS ARE MM.

PRECISION FABRICATORS LTD.
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	NAME	DATE	TITLE:
DRAWN	MJC	6/14/2014	PF-1.2L-AMAT
CHECKED			SALES
ENG APPR.			
MFG APPR.			
Q.A.			

SIZE	DWG. NO.	REV
B	0529-2000 Ereztech Sales Only	6

APPROVED: _____ COMPANY: _____
SIGNATURE

NAME: _____ DATE: _____