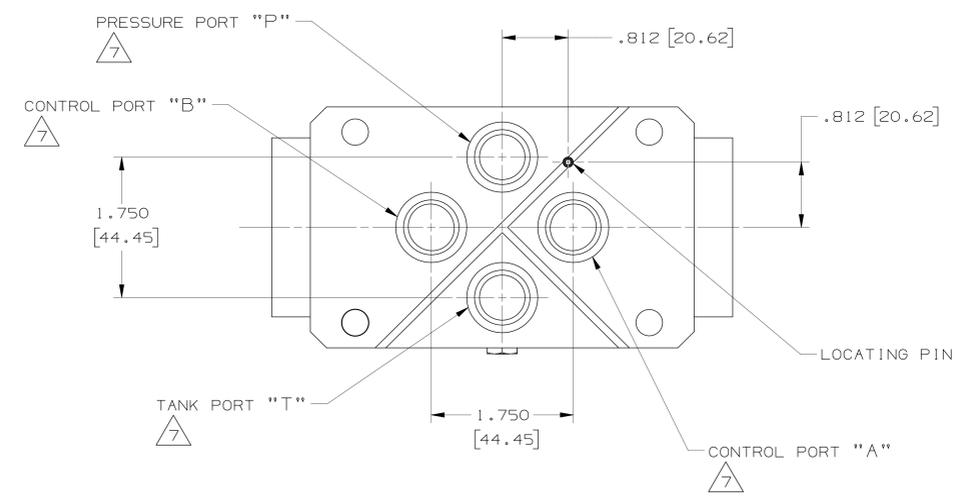
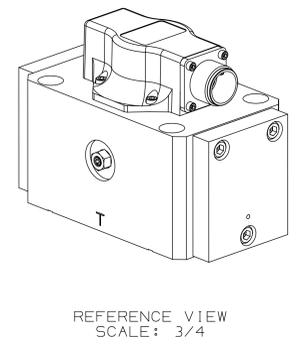
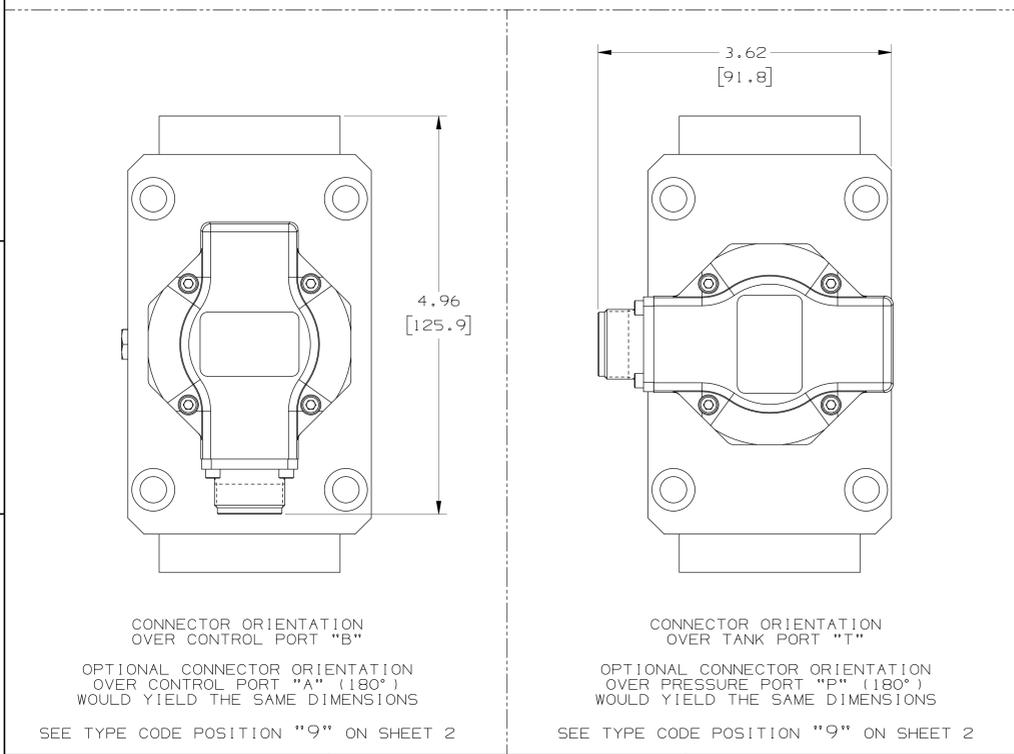
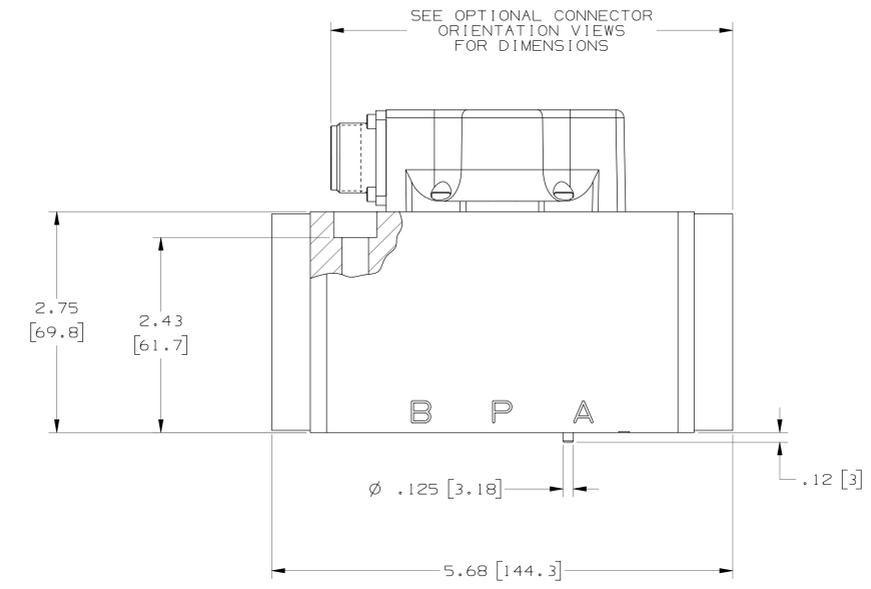
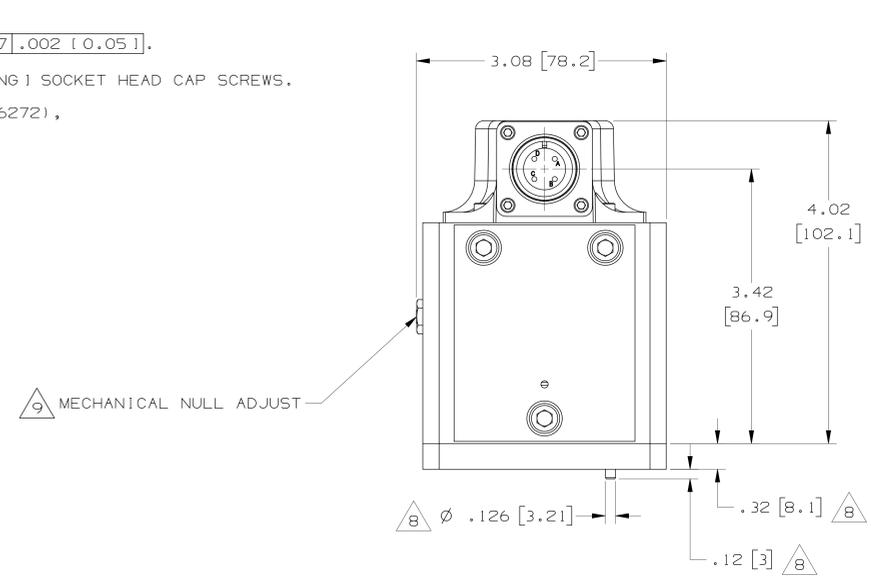
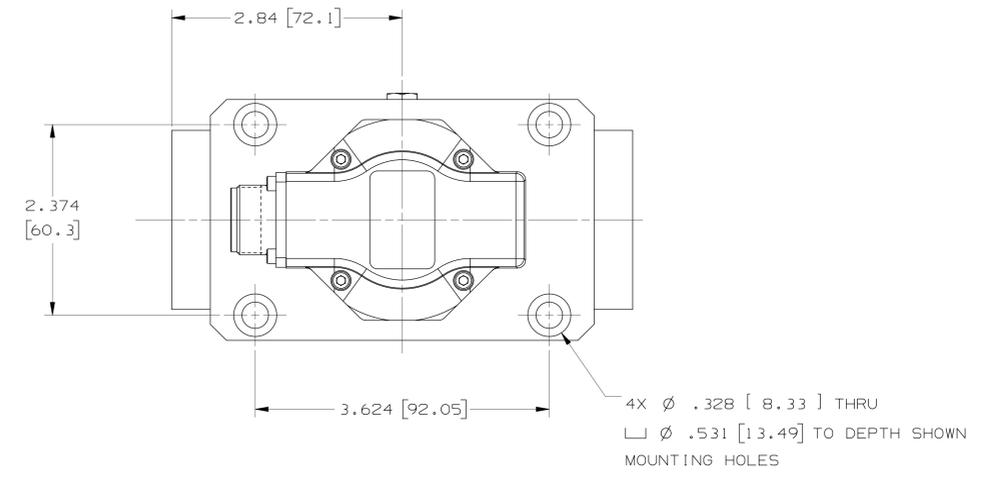


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ZONE		REV	DESCRIPTION	DATE	APPROVED
		-	UE1065053: RELEASE	20171201	MJN/MEL/RJM
		A	SEE EO UE1065526	20180219	MJN/RJM
		B	SEE EO UE1069739	20200221	MJN/RJM

- NOTES:
- FLUID:
TYPE: DEPENDENT ON SEAL MATERIAL: SEE TYPE CODE POSITION "8" ON SHEET 2.
RECOMMENDED VISCOSITY RANGE AT 38°C (100°F): 10 TO 97 mm²/s (cSt).
CLEANLINESS LEVEL PER ISO 4406:
NORMAL LIFE: 17/14/11
LONG LIFE: 15/13/10
 - STANDARD TEMPERATURE RANGE: -40°F TO +275°F (-40°C TO +135°C).
 - MAXIMUM OPERATING PRESSURE: SEE TYPE CODE POSITION "3" ON SHEET 2.
 - STANDARD POLARITY OPERATION: (REFERENCE ELECTRICAL SCHEMATIC ON SHEET 2)
FLOW OUT PORT "B" WILL RESULT WHEN:
SERIES: A+ D-, B & C TIED
PARALLEL: A & C TIED +, B & D TIED -
SINGLE: A+ B- OR C+ D-
 - ELECTRICAL CONNECTOR: SEE TYPE CODE POSITION "9" ON SHEET 2.
 - DIMENSIONS ARE FOR REFERENCE ONLY.
DIMENSIONS IN BRACKETS () ARE IN MILLIMETERS.
 - PORTS P, T, A, B:
□ ϕ .875 [22.23] ∇ .052 [1.32],
O-RINGS: .739 [18.77] I.D. X .070 [1.78] CROSS SECTION (UNIVERSAL SIZE -018).
 - OPTIONAL ADAPTOR MANIFOLD ASSEMBLY.
PORTS P, T, A, B:
□ ϕ .937 [23.8] ∇ .052 [1.32],
O-RINGS: .801 [20.35] I.D. X .070 [1.78] CROSS SECTION (UNIVERSAL SIZE -019).
 - FOR INFORMATION/INSTRUCTION REFER TO:
"78 SERIES INSTALLATION AND OPERATION INSTRUCTION" (CDS6569) OR
"G178K OPERATION INSTRUCTION" (CDS6752),
AVAILABLE ON www.moog.com/installation.
 - SURFACE TO WHICH VALVE IS MOUNTED REQUIRES $\sqrt{32}$ [0.8], \square .002 [0.05].
 - SUGGESTED MOUNTING SCREWS: .312-18 X 3.00 LONG (M X 75 LONG) SOCKET HEAD CAP SCREWS.
 - FOR ACCESSORIES AND SPARE PARTS SEE 78 SERIES CATALOG (CDL6272),
AVAILABLE ON www.moog.com/installation.



LAST SECTION/DATUM		THIRD ANGLE PROJECTION		NEXT ASSEMBLY		USED ON		UNLESS OTHERWISE SPECIFIED: DIMENSIONS: .01 .xxx ± .005 ANGLES: 0° 30' FILLETS: R.015 EDGES: .010 RAD OR CHAM SURFACE FINISH: 125 PER ANSI Y14.26 & B46.1 CONCENTRIC DIAMETERS: ∇ .001 SMALL POINTS: 115° TAP ALL DIMENSIONS ARE IN INCHES PART TO BE FREE OF BURRS		INTERPRET DRAWING PER MIL-STD-100 DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1994		CONTRACT NO. PREPARED: M. NEUREUTHER 20171115 CHECKED: R. MILITTO 20171129 MDR ENGR: DES ENGR: M. LUDLOW 20171121 PRD ENGR: R. MILITTO 20171129 APL ENGR: MFG: QUAL:		MOOG INC. MOOG INC., EAST AURORA, NY 14052 TITLE: INSTALLATION, X078 & X078K SERIES, 4-PORT SIZE: E94697 SCALE: 5/4 DWG NO.: CC44555 SHEET 1 OF 2	
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TYPE CODE DESIGNATION - AS SHOWN ON NAMEPLATE OF SERVO VALVE.
(EXAMPLE: S11FOGM4VAL)

POSITION	1	2	3	4	5	6	7	8	9	10	11
CODE	S	1	1	F	O	G	M	4	V	A	L

POSITION "3" (PRESSURE RATINGS):

CODE	MAXIMUM DESIGN (OPERATING)			NORMAL TEST			PROOF		
	MPA	BAR	PSI	MPA	BAR	PSI	MPA	BAR	PSI
F (ALUMINUM BODY)	21.0	210	3000	21.0	210	3000	31.5	315	4500

POSITION "8" (SEAL MATERIAL):

CODE	MATERIAL
E	EDPM
V	FKM (VITON)

POSITION "9" (VALVE CONNECTOR, TYPE AND ORIENTATION OVER PORT):

CODE	TYPE	ORIENTATION	CONNECTION
A	4 PIN MS THREADED	CONNECTOR OVER PORT A (C1)	MS3106-14S-2S OR EQUIVALENT
B	4 PIN MS THREADED	CONNECTOR OVER PORT B (C2)	MS3106-14S-2S OR EQUIVALENT
P	4 PIN MS THREADED	CONNECTOR OVER PORT P	MS3106-14S-2S OR EQUIVALENT
T	4 PIN MS THREADED	CONNECTOR OVER PORT T	MS3106-14S-2S OR EQUIVALENT
5	5 PIN MS THREADED	CONNECTOR ANY ORIENTATION	MS3106-14S-5S OR EQUIVALENT

POSITION "11" (SPECIAL VERSIONS):

CODE	VALVE VERSION
X	SPECIAL

