REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	SEE EO UE1062048: RELEASE	20160908	MJN/SRW/MEL

NOTES:

1. 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

2. STANDARD TEMPERATURE RANGE: -20°F TO +275°F [-29°C TO +135°C].

3. MAXIMUM OPERATING PRESSURE: SEE TYPE CODE POSITION "3" ON SHEET 2.

4. STANDARD POLARITY OPERATION: (REFERENCE ELECTRICAL SCHEMATIC ON SHEET 2)
   FLOWOUT PORT "B" WILL RESULT WHEN:
   SERIES: A+, D-, B & C TIED
   PARALLEL: A & C TIED +, B & D TIED -
   SINGLE: A+, B- OR C+, D-

5. ELECTRICAL CONNECTOR: SEE TYPE CODE POSTION "9" ON SHEET 2.

6. DIMENSIONS ARE FOR REFERENCE ONLY.
   DIMENSIONS IN BRACKETS [ ] ARE IN MILLIMETERS.

7. PORTS P,T,A,B:
   ⌴ Ø .563 [14.30] ↧ .055 [1.40].
   O-RINGS: .426 [10.82] I.D. X .070 [1.78] CROSS SECTION (UNIVERSAL SIZE -013).

8. PORT "X":
   ⌴ .500 [12.70] ↧ .052 [1.32].
   O-RING: .364 I.D. X .070 [1.78] CROSS SECTION (UNIVERSAL SIZE -012).

9. FOR INFORMATION/INSTRUCTION ON THE FOLLOWING, REFER TO:
   "G761/761I SERIES INSTALLATION AND OPERATION INSTRUCTION" (CDS6673), AVAILABLE ON www.moog.com/installation.

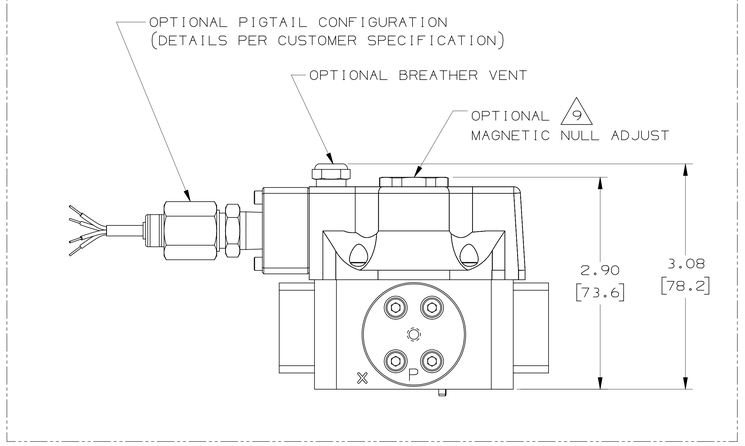
   A.) NULL ADJUSTMENT.

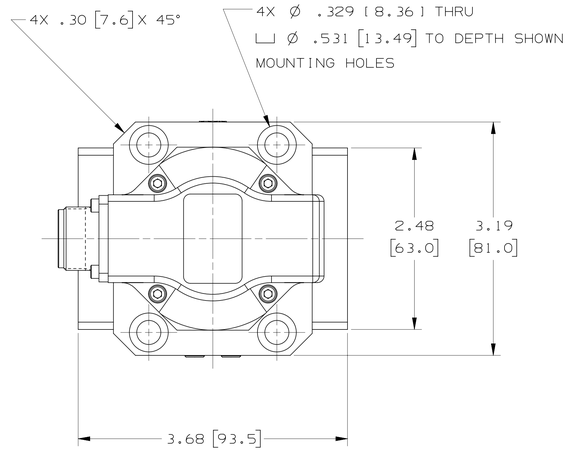
   B.) PILOT OIL SUPPLY (INTERNAL VS EXTERNAL).

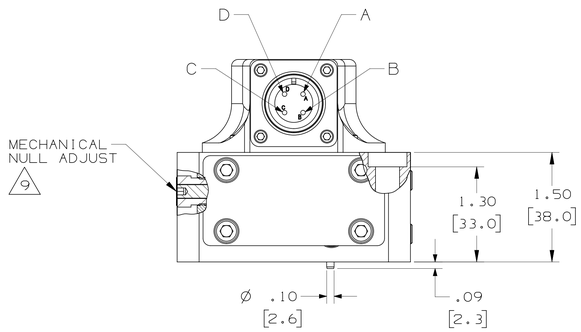
10. SURFACE TO WHICH VALVE IS MOUNTED REQUIRES 32/ [0.8/], ⏥ .001 [0.025].

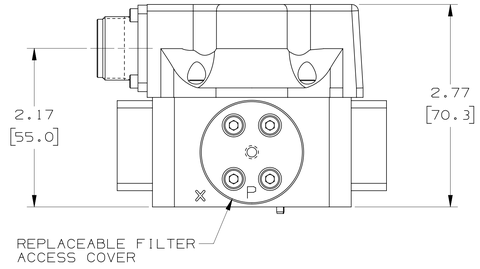
11. SUGGESTED MOUNTING SCREWS: .312-18 X 1.750 LONG [M8 X 45 LONG] SOCKET HEAD CAP SCREWS.

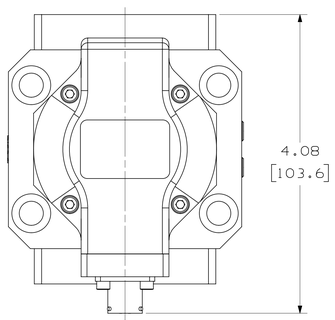
12. FOR ACCESSORIES AND SPARE PARTS SEE G761/761 SERIES CATALOG (CDL6642) ON www.moog.com.



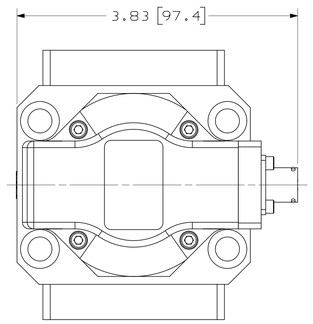




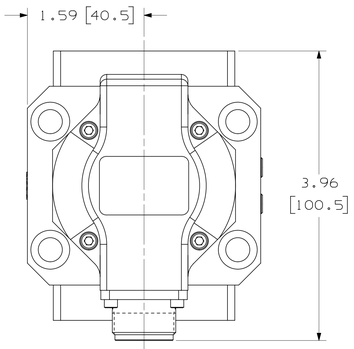




PYGMY CONNECTOR



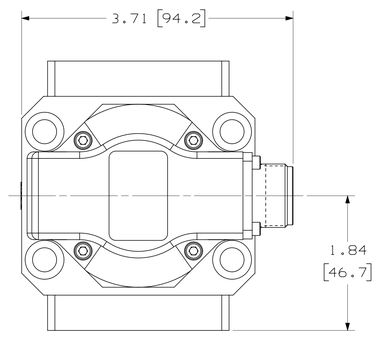
PYGMY CONNECTOR



CONNECTOR ORIENTATION
OVER CONTROL PORT "B"

OPTIONAL CONNECTOR ORIENTATION
OVER CONTROL PORT "A" (180°)
WOULD YIELD THE SAME DIMENSIONS

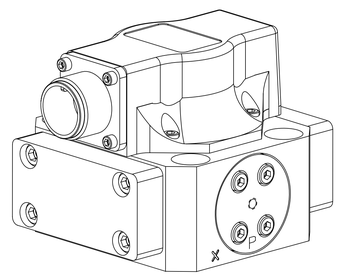
SEE TYPE CODE POSITION "9" ON SHEET 2

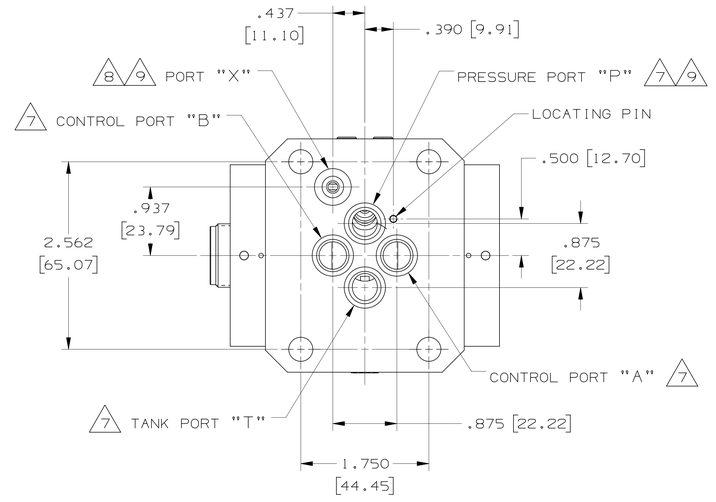


CONNECTOR ORIENTATION
OVER PRESSURE PORT "P"

OPTIONAL CONNECTOR ORIENTATION
OVER TANK PORT "T" (180°)
WOULD YIELD THE SAME DIMENSIONS

SEE TYPE CODE POSITION "9" ON SHEET 2





REFERENCE MOUNTING PATTERN SPECIFICATION
ISO 10372-04-04-0-92

INTERNATIONAL PART

LAST SECTION/DATUM

THIRD ANGLE PROJECTION

NEXT ASSEMBLY | USED ON

UNLESS OTHERWISE SPECIFIED:
.X ± .01 .XXX ± .005
ANGULAR ± 0° 30'
FILLETS .015 RAD
EDGES .010 RAD OR CHAM
SURFACE ROUGHNESS PER ANSI B46.1 125√
CONCENTRIC DIAMETERS: ⌀ .008
DRILL POINTS: 115° -10°
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

MATERIAL

CONTRACT NO.

PREPARED	M.NEUREUTHER	20160831
CHECKED	M.LUDLOW	20160831
MGR ENGR	S.WILKINSON	20160831
DES ENGR	M.LUDLOW	20160831
PRD ENGR		
APL ENGR		
MFG	T.JENDERSECK	20160907
QUAL	R.VOIT	20160906

MOOG INC.
MOOG
MOOG INC., EAST AURORA, NY 14052

TITLE: INSTALLATION, X761 SERIES VALVE (GLOBAL 5TH PORT)

SIZE: E | CAGE CODE: 94697 | DWG NO.: CB59420 | REV:
SCALE: 5/4 | WT: | SHEET: 1 OF 2

UNIGRAPHICS DATA BASE

FMT-ICD-E1/D

REVISIONS	
REV	DESCRIPTION
-	SEE SHEET 1

TYPE CODE DESIGNATION - AS SHOWN ON NAMEPLATE OF SERVO VALVE.
(EXAMPLE: H10J0FM4VPL)

POSITION	1	2	3	4	5	6	7	8	9	10	11
CODE	H	1 ; 0	J	0	F	M	4	V	P	L	

POSITION "3" (PRESSURE RATINGS):

CODE	MAXIMUM DESIGN (OPERATING)			NORMAL TEST			PROOF		
	MPA	BAR	PSI	MPA	BAR	PSI	MPA	BAR	PSI
J (ALUMINUM BODY)	31.5	315	4500	21.0	210	3000	31.5	315	4500
K (STEEL BODY)	35.0	350	5000	28.0	280	4000	51.5	515	7500

POSITION "8" (SEAL MATERIAL):

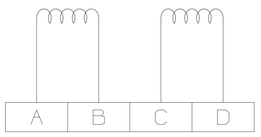
CODE	MATERIAL
E	EPDM
F	GT SEALS (FKM)
G	GT SEALS (NBR)
N	NBR (BUNA)
U	PUR (ULTRATHAN) AND FKM (VITON)
V	FKM (VITON)
X	SPECIAL VERSION

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

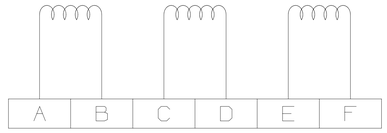
CODE	TYPE	ORIENTATION	MATES WITH
A	4 PIN MS THREADED	CONNECTOR OVER PORT A (C1)	MS3106-14S-2S OR EQUIVALENT
B	4 PIN MS THREADED	CONNECTOR OVER PORT B (C2)	MS3106-14S-2S OR EQUIVALENT
C	6 PIN MS THREADED	CONNECTOR OVER PORT A (C1)	MS3106-14S-6S OR EQUIVALENT
P	4 PIN MS THREADED	CONNECTOR OVER PORT P	MS3106-14S-2S OR EQUIVALENT
R	6 PIN MS THREADED	CONNECTOR OVER PORT T	MS3106-14S-6S OR EQUIVALENT
T	4 PIN MS THREADED	CONNECTOR OVER PORT T	MS3106-14S-2S OR EQUIVALENT
U	6 PIN MS THREADED	CONNECTOR OVER PORT P	MS3106-14S-6S OR EQUIVALENT
V	PYGMY CONNECTOR	8-SHELL CONNECTOR ANY ORIENTATION	PT06-8-4S OR EQUIVALENT
X	SPECIAL VERSIONS		
1	4 LEAD PIGTAIL	CONNECTOR OVER PORT B (C2)	N/A
3	4 LEAD PIGTAIL	CONNECTOR OVER PORT P	N/A

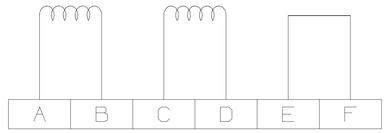
POSITION "11" (SPECIAL VERSIONS):

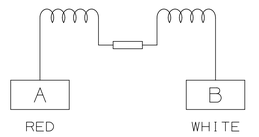
CODE	VALVE VERSION
C	SPRING CAGED TORQUE MOTOR ASSEMBLY
N	MAGNETIC NULL ADJUST
V	VENTED MOTOR CAP
X	SPECIAL VERSION



STANDARD
ELECTRICAL SCHEMATIC
4







OPTIONAL ELECTRICAL SCHEMATICS

SIZE	CAGE CODE	DWG NO.
E	94697	CB59420
SCALE		WT
		SHEET 2 OF 2

UNIGRAPHICS DATA BASE

DWG. NO. CB59420

FMT-EA-E2/K