



100% PRODUCTION LEAK TEST TO BE CONDUCTED AS FOLLOWS
THE VALVE SHALL PERMIT ZERO LEAKAGE (NO BUBBLES AT PORT B AND
ULTRASONIC JOINT) WHEN PORT A IS PRESSURIZED TO 3 PSI AND THE PART IS
IMMERSED IN WATER FOR 3 SECONDS

(B1) OPTIONAL TEST: MAX LEAK RATE 2cc @ 3 PSI

VALVE SPECIFICATIONS

- 1) THE VALVE SHALL OPEN AND FLOW WHEN THE DIFFERENTIAL ACROSS THE VALVE IS 3.5 Kpa OR LESS
- 2) WHEN AIR FLOW THROUGH VALVE IS 3000 CC/MIN THE DIFFERENTIAL ACROSS THE VALVE IS NOT TO EXCEED 1.0 Kpa
- 3) WITH A VOLUME OF 1 CU IN AT PORT B AT 10.0 IN MERCURY VACUUM AND ATMOSPHERIC PRESSURE AT PORT A THE VALVE SHALL PREVENT LOSS OF VACUUM AT ANY RATE GREATER THAN 3 IN MERCURY PER 15 MIN INTERVAL
- 4) IN GENERAL VALVE SHALL OPERATE SATISFACTORILY AND WITHOUT MALFUNCTION BETWEEN 121°C AND -40°C
- 5) WELD JOINT MUST WITHSTAND 20 LB PERPENDICULAR LOAD WITHOUT SEPARATION OR LEAKAGE BEYOND THAT SPECIFIED IN TEST #2 TEST CONDUCTED PER MPC PROCEDURE QP-11
- 6) CONTINUOUS MAX PRESSURE 50 PSI AT PORT A

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VOLUME XXX MM³
CALCULATED BY CATIA
FROM MATH DATA MODEL

METRIC
LINEAR
DIMENSIONS ARE
MM
UNLESS NOTED

		(B1)	ADDED OPTIONAL NOTE	060426	GHK	MBL
		(A)	3X ADDED FLASH NOTES	960814		
SYM.		REVISION		DATE	DR	CHK'D
THIS DRAWING CONFORMS TO ANSI Y14.5M-1982		DO NOT SCALE		NUMBER OF DECIMAL PLACES DOES NOT IMPLY A TOLERANCE		
THIRD ANGLE PROJECTION		SCALE 1:1	MATERIAL			
UNLESS OTHERWISE SPECIFIED ALL LINEAR DIM. ± 0.5 ALL ANGULAR DIM. ± ALL FILLET RADII ALL CORNER RADII MAX. DRAFT MAX. COMBINED PARTING LINE FLASH AND MISMATCH TO BE SURFACE FINISH EXTERIOR INTERIOR		DATE 960718	HOUSING: TYPE 6/6 NYLON DIAPHRAGM: FLUOROSILICONE			
		DRAWN BY				
		CHECKED BY				
		D. ENG.				
		Q. C.	MINIATURE PRECISION COMPONENTS INC. P.O. BOX 1901 WALWORTH, WI. 53184			
MAN. ENG						
CUSTOMER NO.		DATE		REV.		
TITLE		REV. B		SHT. 1 / 1		
VACUUM CHECK VALVE 3/16" BARBED		PART NUMBER		A961		

COMPUTER GRAPHICS
CHANGE RESTRICTED
NO MANUAL CHANGES