



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
 IMMERSIED IN WATER FOR 3 SECONDS

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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COMPUTER GRAPHICS
 CHANGE RESTRICTED
 NO MANUAL CHANGES

METRIC
 LINEAR
 DIMENSIONS ARE
 MM
 UNLESS NOTED

CATIA
 DRAWING

THIS DRAWING CONFORMS TO ANSI Y14.5M-1982		DO NOT SCALE		NUMBER OF DECIMAL PLACES DOES NOT IMPLY A TOLERANCE	
SYN.	REVISION	DATE	DR	CHK'D	
THIRD ANGLE PROJECTION		SCALE	1:1		
UNLESS OTHERWISE SPECIFIED		DATE	960523		
ALL LINEAR DIM. ±		DRAWN BY	HOUSING: TYPE 6/6 NYLON		
ALL ANGULAR DIM. ±		CHECKED BY	DIAPHRAGM: VITON		
ALL FILLET RADIUS		D. ENG.			
ALL CORNER RADIUS		D. C.			
MAX. DRAFT		MAN. ENG.			
MAX. COMBINED PARTING LINE FLASH AND MISMATCH TO BE		MINIATURE PRECISION COMPONENTS INC. DRAWER L WALWORTH, WI. 53184			
SURFACE FINISH EXTERIOR INTERIOR		CUSTOMER NO.	10014301	DATE	REV.
TITLE				REV.	SHT.
VACUUM CHECK VALVE					1/1
				PART NUMBER	A969