



OPERATION:

WITH VALVE STATE AS SHOWN AND PORT# 12 UN-PRESSURIZED, APPLYING PILOT PRESSURE (PULSE OR CONTINUOUS) TO CONTROL PORT# 14 TRANSFERS VALVE. VALVE REMAINS TRANSFERRED UNTIL PILOT PRESSURE (PULSE OR CONTINUOUS) IS APPLIED TO CONTROL PORT# 12. THIS RETURNS VALVE BACK TO ITS INITIAL POSITION. NOTE: PORT# 14 MUST BE UN-PRESSURIZED FOR THIS TO OCCUR. VALVE IS HELD IN BOTH POSITIONS BY A DETENT MECHANISM.

TECHNICAL SPECIFICATIONS:

VALVE TYPE:
4-WAY, DOUBLE AIR PILOTED WITH DETENT

OPERATING PRESSURE RANGE:
0 TO 145 PSI (VALVE PORTS)
30 TO 145 PSI (CONTROL PORTS)

FLOW RATE:
25 CFM @ 100 PSI
10 CFM @ 45 PSI

CV:
.45

ORIFICE SIZE:
.157 INCHES (4mm)

CONNECTIONS: (FEMALE)
1/8 NPT (VALVE PORTS)
10-32 THREADS (CONTROL PORTS)

MEDIA:
FILTERED AIR OR NON-AGGRESSIVE GAS

MATERIALS:
ALUMINUM ALLOY HOUSING, HARDENED STEEL
SPOOL & SLEEVE, BUNA N SEALS, ZINC
PLATED STEEL END CAPS

OPERATING AMBIENT:
14°F TO 160°F (-10°C TO 70°C)

WEIGHT:
5.6 OUNCES

ELLIS/KUHNKE CONTROLS			
DRAWN BY	EJL	8/21/02	4-WAY DOUBLE PILOTED WITH DETENT VALVE
CHECKED			
ISSUED			SIZE B
			FSCM NO.
			DWG. NO. 87124
			SHEET