

77 L/MIN (20 GPM) COOLANT SPRAY VALVE SPECIFICATIONS**U.S. PATENTS**

4,568,026, 4,733,696, 4,733,697, 5,071,072

AND OTHERS PENDING APPLY

FLOW RATING AT 7 BAR (100 PSI)

77 L/MIN. (20 GPM)

COOLANT PRESSURE RANGE

0.7 - 7.0 BAR (10 - 100 PSI)

TEMPERATURE RANGE

4 DEGREES - PLUS 82 DEGREES C.
(40 DEGREES - PLUS 180 DEGREES F.)

SPRAY ZONE WIDTH - MINIMUM

50mm (1.968 INCH) CENTERS

VOLTAGE

24.0 VDC + 10% - 0%

CURRENT

0.35 AMPERES MAXIMUM

RESPONSE TIME IN MILLISECONDS

15 OPEN, 20 CLOSE

ELECTRICAL RATINGS

CONTINUOUS DUTY OR PULSING

FLUIDS

MINERAL OILS

FILTRATION

125 MICRON OR LOWER

VISCOSITY

1 SUS TO 150 SUS

EXTERNAL LEAKAGE

NONE - DRIP-TIGHT WHEN CLOSED

SEAL MATERIALS

MILITARY SPECIFICATION VITON

RECIPROCATING SEALS

NONE

POPPET

HARDENED STAINLESS STEEL

VIBRATION - SHOCK

PLUS/MINUS 10 G'S

INTERNAL PILOT VALVE

STAINLESS STEEL

COOLANT PRESSURE DROP THROUGH SPRAY VALVECOOLANT PRESSURE
BAR (PSI)FLOW
LITERS/MIN.
(U.S. GPM)SPRAY VALVE
NOZZLE PORT
BAR (PSI)

7.0 (101.5)

12.0 (3.2)

6.8 (98.6)

7.0 (101.5)

23.0 (6.1)

6.2 (89.9)

7.0 (101.5)

29.0 (7.7)

6.1 (88.5)

7.0 (101.5)

33.0 (8.7)

5.9 (85.6)

7.0 (101.5)

40.0 (10.6)

5.8 (84.1)

7.0 (101.5)

53.0 (14.0)

5.4 (78.3)

7.0 (101.5)

64.0 (16.9)

5.2 (75.4)

7.0 (101.5)

78.0 (20.6)

5.0 (72.5)