

SSAT0144

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Sheet 1 of 1

REFERENCE NUMBER(S):

38 LPM VALVE

38 L/MIN (10 GPM) COOLANT
SPRAY VALVE SPECIFICATIONS

38 L/MIN (10GPM) 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)	38 L/MIN. (10GPM)
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	25mm (0.98 INCH) CENTERS
VOLTAGE	24.0 VDC + 10% - 0%
CURRENT	0.25 AMPERES MAXIMUM
RESPONSE TIME IN MILLISECONDS	15 OPEN, 12 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 VALVE

COOLANT PRESSURE BAR (PSI)	FLOW LITERS/MIN. (U.S. GPM)	SPRAY VALVE NOZZLE PORT BAR (PSI)
7 (100)	11 (3)	6.7 (97)
7 (100)	19 (5)	6.6 (95)
7 (100)	28 (7)	6.0 (87)
7 (100)	38 (10)	5.5 (79)