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SPECIFICATION - CHEMICAL METERING PUMP

GENERAL:
 CHEMICAL METERING PUMP SHALL BE A POSITIVE DISPLACEMENT TYPE PUMP, (LIQUIFRAM OR EQUAL) AND BE U.L. AND C.U.L. APPROVED.

VOLUME:
 OUTPUT VOLUME SHALL BE ADJUSTABLE WHILE PUMP IS IN OPERATION FROM ZERO TO MAXIMUM CAPACITY OF 2.5 GPH (9.5 LITRES PER HOUR) AND CAPABLE WITHOUT A HYDRAULICALLY BACKED DIAPHRAM, OF INJECTING SOLUTIONS AGAINST PRESSURES UP TO 100 PSIG (6.9 BAR)

ADJUSTMENTS:
 ADJUSTMENTS SHALL BE BY MEANS OF READILY ACCESSIBLE CONTROLS. ONE FOR CHANGING STROKE LENGTH AND ONE FOR CHANGING STROKE FREQUENCY.

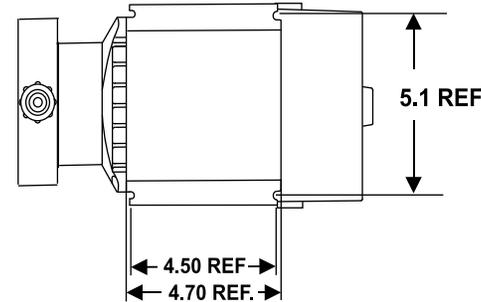
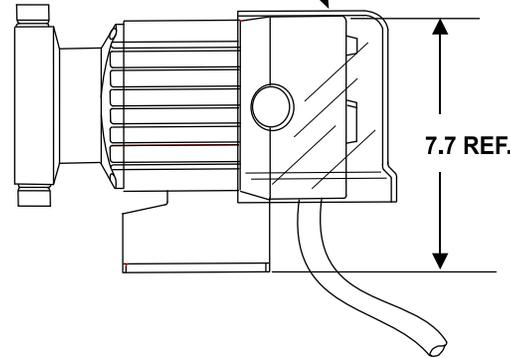
PRESSURE RELIEF:
 PUMP SHALL AUTOMATICALLY STOP PULSATING WHEN DISCHARGE PRESSURE EXCEEDS THE PUMP PRESSURE RATING BY NOT MORE THAN 35%.

DRIVE:
 THE PUMP DRIVE SHALL BE TOTALLY ENCLOSED WITH NO EXPOSED MOVING PARTS. SOLID STATE ELECTRONIC PULSER SHALL BE FULLY ENCAPSULATED AND SUPPLIED WITH QUICK DISCONNECT TERMINALS WITH A MINIMUM WIDTH OF 3/16" (4.75 mm). ELECTRONICS SHALL BE HOUSED IN A CHEMICAL RESISTANT ENCLOSURE AT THE REAR OF THE PUMP FOR MAXIMUM PROTECTION. ELECTRICAL POWER CONSUMPTION SHALL NOT EXCEED 29 WATTS PER HOUR AT FULL SPEED AND MAXIMUM PRESSURE CONDITIONS. PUMP WEIGHT SHALL NOT EXCEED 15 LBS. (6.9Kg)

MATERIAL:
 CHEMICAL METERING PUMP HOUSING SHALL BE OF CHEMICAL RESISTANT GLASS FIBRE REINFORCED THERMO-PLASTIC. ALL EXPOSED FASTENERS SHALL BE STAINLESS STEEL. METERING PUMP VALVES SHALL BE BALL TYPE, WITH CERAMIC BALL. VALVE SEAT AND SEAL SHALL BE RENEWABLE. PUMP HEAD SHALL BE TYPE 316 STAINLESS STEEL. FITTINGS AND CONNECTIONS AT PUMP HEAD SHALL BE PVC.

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE ECP NO. 0214-1 R2	03-11-24	KMO

SPLASH SHIELD



SUGGESTED SOURCE(S) OF SUPPLY			
VENDOR			
ADDRESS	CAGE CODE	VENDOR PART NO.	ITEM IDENTIFICATION
LMI 8 POST OFFICE SQUARE ACTON, MA 01720 USA	62866	B12 1 92S	CHEMICAL METERING PUMP

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED DIM/TOLERANCES ARE: mm IN. ONE PLACE [.X] ± — TWO PLACE [.XX] ± — THREE PLACE [XXX] ± — ANGLES ± — DO NOT SCALE THIS DRAWING FOR INTERPRETATION OF DRAWING DOD-STD-100 APPLIES REMOVE BURRS AND BREAK SHARP EDGES SHARP EDGES ____ TO ____ FILLET RADII ____ TO ____	DRAWN BY J. MOORE CHECKED BY R. FRIGON CONTRACT NO. DAAE07-03-D-S011/0001 DESIGN APPROVAL <i>KMO</i> APPROVED FOR PROCUREMENT <i>[Signature]</i> DATE 03-11-24	DATE 03-11-24	PUMP, CHEMICAL		
	SIZE M2 CAGE CODE 97403 SCALE	DWG NO. 12492387 SHEET 1 OF 1			

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