





## **PUMP PERFORMANCE AND SPECIFICATIONS**

## PUMP VOLUMETRIC PERFORMANCE

VOLUME RESOLUTION		.031 UL / FULL STEP		
VOLUME STEP COUNT		ACCURACY	PRECISION	
<b>1ul (TYPICAL)</b> 31.5		< ±2%	< 1%	
3 UL	<b>3 uL</b> 94.5		≤1%	
150 uL (FULL STROKE)	4725	≤±0.1%	≤0.1%	

DRIVE SPECIFICATIONS			
RATED CURRENT	1.5AMP/PHASE		
MOTOR FRAME	NEMA 17		
STEP ANGLE	1.8°		
MAX SPEED	2000 STEP/S*		
MOTOR CW	ASPIRATE		
MOTOR CCW	DISPENSE		

GENERAL INFORMATION				
FLUID PATH MATERIALS	CERAMIC (ZIRCONIA) PVDF   UHMW-PE   FKM			
SEAL MATERIALS	UHMW-PE   FKM			
CERITIFICATIONS	REACH   RoHS			
WEIGHT	1.3 LBS			

## FMI P/N 400818

TOLERANCES .X = ±.06 [1.5]   UNLESS OTHERWISE .XX = ±.02 [0.5]   SPECIFIED .XXX = ±.01 [0.25]				eterir	ng, inc.
DO NOT SCALE SURFACE 63		5 Aerial Way, Suite 500, Syosset, NY 11791 800.223.3388 P: 516.922.6050 F: 516.624.8261 www.fluidmetering.com			
DRAWN BY	NM	DATE 01/09/23		FCT D	RIVE
CHECKED BY	TB	DATE 01/09/23	1/8"		
APPVD BY	RH	DATE 02/10/23	dwg no. 600425	REV A	SHT NO 4 of 4

<b>OPERATING SPECIFICATIONS</b>				
PISTON SIZE	1/8"			
DIPSENSE/ASPIRATE RESOLUTION	.031 uL / FULL STEP			
MAX TRAVEL FROM HOME	5200 STEPS			
MAX OPERATING PRESSURE	100 PSI			
MAX FLUID TEMPERATURE	100 °F			
MIN FLOW RATE	0.105 uL/s @ 1 RPM			
MAX FLOW RATE	62.8 uL/s @ 600 RPM			
LIFE EXPECTANCY	> 1 MILLION CYCLES			

\* MAX SPEED BASED ON MOTOR DRIVER