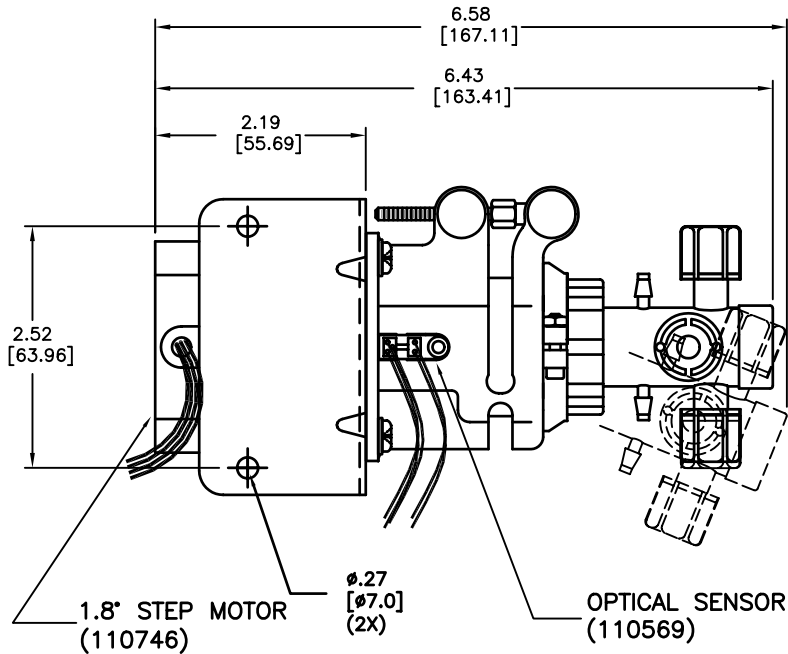
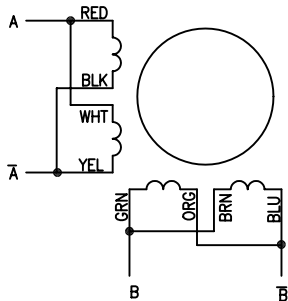


FMI STANDARD STQ PUMP SPECIFICATIONS

PUMP HEADS SHOWN FOR REFERENCE ONLY



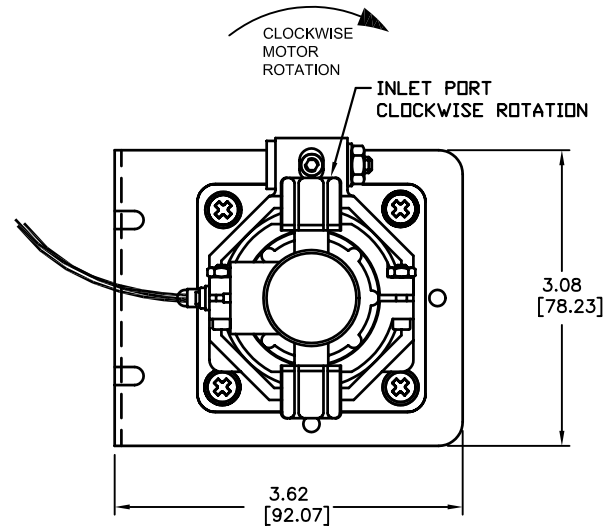
FOR BEST PERFORMANCE
BIPOLAR PARALLEL WIRING



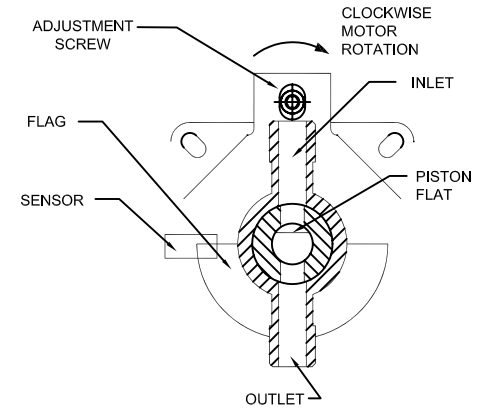
TYPICAL MOTOR SPECIFICATIONS

NO. OF PHASES.....	2
STEP ANGLE.....	1.8°
RATED CONTINUOUS CURRENT/PHASE.....	3.5 AMPS
VOLTAGE CONSTANT / PHASE $\pm 10\%$	0.206 Vpk/RAD/SEC
RESISTANCE: 25°C $\pm 10\%$	0.53 OHMS
PHASE INDUCTANCE $\pm 20\%$	2.3 mH

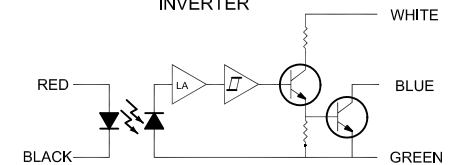
NOTE:
DIMENSIONS ARE IN INCHES [MILLIMETERS]
TOLERANCES UNLESS OTHERWISE SPECIFIED:
.XX = $\pm .02$ [.51]
.XXX = $\pm .005$ [.127]



STQ PISTON FLAT - SENSOR / FLAG RELATIONSHIP TO INLET AND OUTLET PORTS



OPTICAL SENSOR (OPEN-COLLECTOR OUTPUT) INVERTER

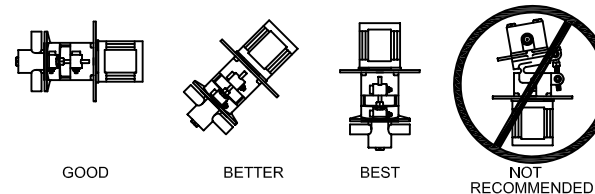


ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ UNLESS OTHERWISE NOTED)

SUPPLY VOLTAGE, V (NOT TO EXCEED 3SEC.)	10V
STORAGE TEMPERATURE RANGE	-40°C TO $+80^\circ\text{C}$
OPERATING TEMPERATURE RANGE	-40°C TO $+70^\circ\text{C}$
INPUT DIODE POWER DISSIPATION	100mW (1)
OUTPUT POWER DISSIPATION	200mW (2)
TOTAL DEVICE POWER DISSIPATION	300mW (3)
VOLTAGE AT OUTPUT LEAD (OPEN COLLECTOR OUTPUT)	35V
DIODE FORWARD D.C. CURRENT	40mA
DIODE REVERSE D.C. VOLTAGE	2V

IMPORTANT

RECOMMENDED FMI PUMP MOUNTING FOR MAXIMUM PERFORMANCE



For maximum pump performance, mount the pump with motor at 12 o'clock and pump head at 6 o'clock position. This orientation will allow air bubbles that enter the pumping chamber to directly exit thru buoyant assist. Discharge lines should be inclined upward from pump head.



Fluid Metering Inc.
5 Aerial Way, Suite 500
Syosset, NY 11791

TITLE	STANDARD STQ PUMP OUTLINE
DWG NO	600038
REV	B
SHT	1 OF 1