

**AC**  
Engineering Ltd.

**WARNING**

- CONNECT MOTOR TERMINALS TO PROPER VOLTAGE AND POLARITY. ASSURE EACH PHASE IS FUSED OR PROTECTED TO 5 AMPERES MAX.
- CONFIRM MOTOR CLOCKWISE ROTATION.
- WING NUT TO BE HAND TIGHTENED ONLY.
- INLET AND OUTLET HOSES SHOULD BE PROPERLY BRACED, PREFERABLY SHORT AND OF LARGE DIAMETER.
- DO NOT RUN PUMP DRY.
- INLET PRESSURE 5 psi MAX.

PK P03-0001-30  
ROTATION

# Sanitary Disposable PUMPS



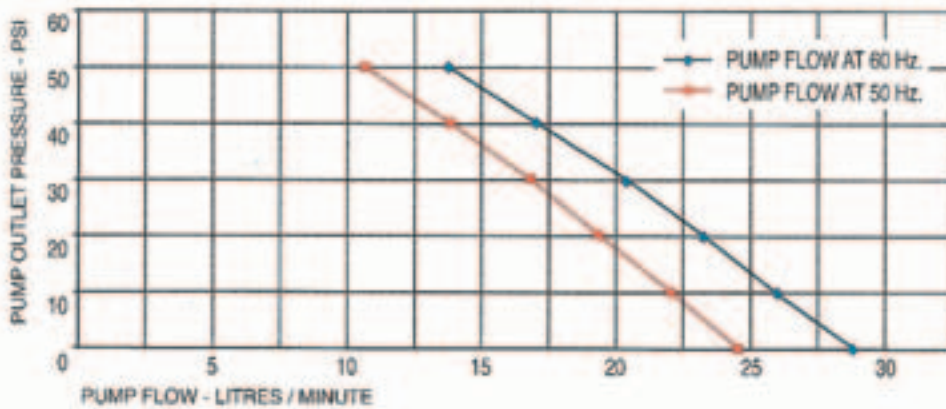
# Sanitary Disposable Pumps

Sanitary disposable pumps for the food, dairy, medical, chemical and pharmaceutical industries.

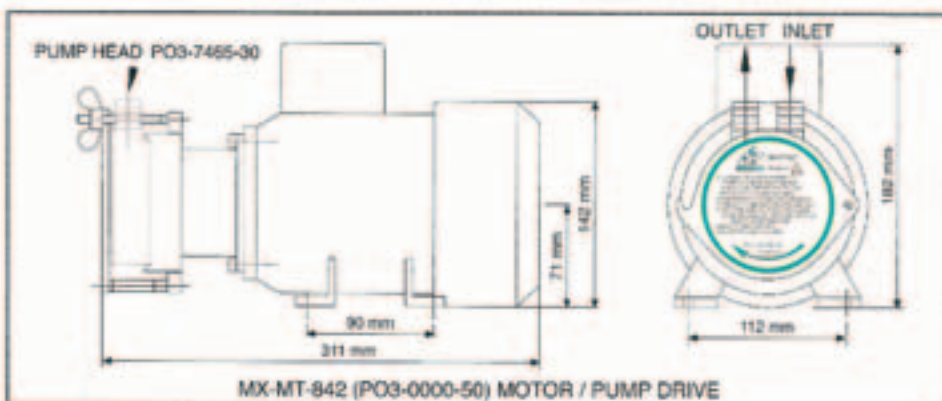
AC's proprietary positive displacement pumps have a motor drive and a separate replaceable pump head. The pump head is easily and quickly changed when worn or contaminated, providing for a completely new pump. Accordingly, the AC pumps provide long service free life.

The disposable pump head is completely sealed, and is an improved alternative to peristaltic and magnetically driven pumps.

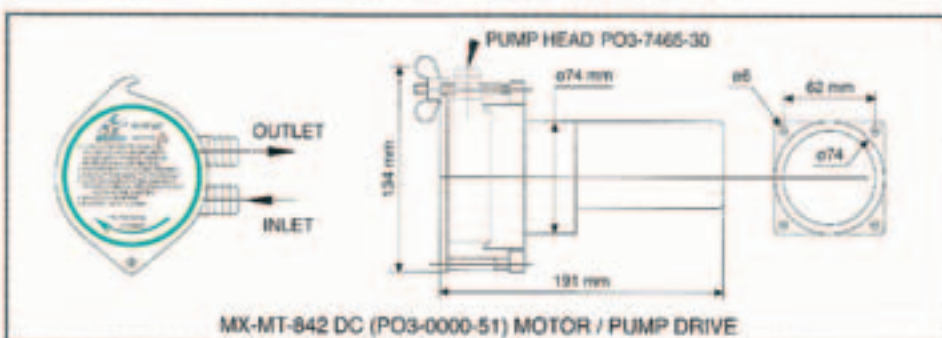
- The single vane scroll pump, is without valves, and their associated noise and pressure spikes.
- AC's scroll components are pressure balanced, so there are no high rubbing forces between parts, as in other pumps, and while no lubrication is necessary wear is minimal.
- The pumped media is subjected to minimal shear.
- AC's scroll pumps are molded in FDA food approved resin, which is resistant to a wide range of chemicals.
- AC's low cost pump head is replaced conveniently without tools, eliminating cleaning and disinfection.
- Unlike other scrolls, AC's pump has a single cylindrical chamber, facilitating the pumping of non-compressible fluids.
- AC's pump does not have pockets which trap fluid or shear it as do magnetically driven pumps.
- All pump bearings are external to the pump head, so they do not contaminate the pumped media, which in turn does not affect bearing lubrication.



Dispensing Pump



AC Pump



12 Volt DC Pump