The **MSC Filtration Technologies PSK Fluid Pump** is an all purpose cost effective self priming, positive displacement, progressive cavity pump that delivers long life in abrasive and non-lubricating applications. It is easy to maintain and provides the user with the option of alternating pumping flows from 2-15 gpm with just the simple switch of a rotor and stator.

**APPLICATIONS**

**Water**
- Waste Water
- Polymer Transfer
- Booster
- Sampling

**Machine Tool**
- Cutting/Grinding Oils
- Slurries
- Metering
- Chemical De-burring
- Dielectrics
- Cooling Oils
- Abrasives
- Water Based Coolants

**Agricultural**
- Food & Beverage
- Plant Feed

**Medical/Biotech**
- Control Equipment

**Industrial**
- Oil/Fluid Recovery
- Oil/Water Separators
- Abrasives
- Inks/Dyes

**Petrochemical**
- Waste Oil Recovery
- Abrasive Chemicals
- Chemical Transfer

**PSK PUMP DESIGN**

The **PSK** progressive cavity design forms a series of sealed cavities which contain the pumped fluid. As the rotor turns, the cavities “progress” from the suction to the discharge side of the pump moving the fluid. This results in a constant, uniform, non-pulsating flow that provides low shearing and reduced degradation of pumped materials. It also provides low velocity capability for pumping of viscous fluids.

In abrasive applications, the stators ability to deform slightly to accommodate solid particles contributes to its abrasive resistance and the pumps ability to handle abrasive solids.

**FEATURES**

- Cost Effective Design
- Self Priming
- Pressure to 150 psi
- Available Flow Rates 2-50 gpm
- Excellent for OEM Applications
- Easy/Simple Maintenance Repair
- Temperatures up to 250 F
- Single or Three Phase Voltage
- Interchangeable Parts
- Flow Variability
PSK ORDERING INFORMATION

DIMENSIONS

PKR - P-2; 6; 9; or 15

PKR - P - 25

PKR - P - 50

MODEL NUMBER FLOW VS PRESSURE

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MATERIALS OF CONSTRUCTION

Simple Inter-Changeable Parts

To Order Correct Replacement Parts
1. Mechanical Seal & Spring
2. Pin
3. Flexible Apex Joint
4. Mechanical Seal
5. Stator
6. Suction Housing
7. Housing Screws
8. Chrome Plated Rotor

COMPONENT | MATERIAL
----------|------------
HOUSING   | CAST IRON  
ROTOR     | CHROME PLATED 416 STAINLESS STEEL
STATOR    | NBR (NITRILE)

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