

POWERFUL - ALL PURPOSE - LONG LIFE

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

Agricultural

- Food & Beverage
- Plant Feed

Industrial

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

Machine Tool

- Cutting/Grinding Oils
- Slurries
- Metering
- Chemical De-buring
- Dielectrics
- Cooling Oils
- Abrasives
- Water Based Coolants

Medical/Biotech

- Control Equipment

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 accomodate solid particles contributes to its abrasive resistance and the pumps ability to handle abrasive solids.



MSC Portable Pump Cart with PSK Pump

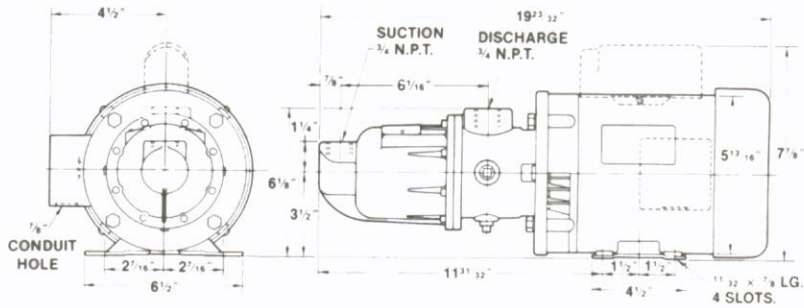
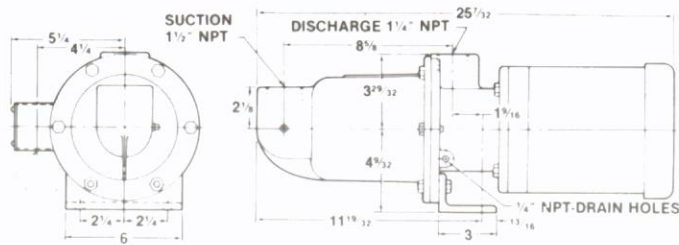
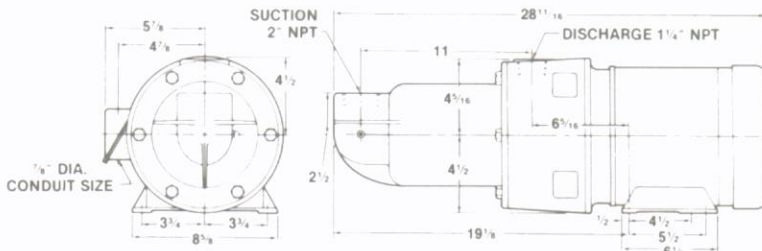
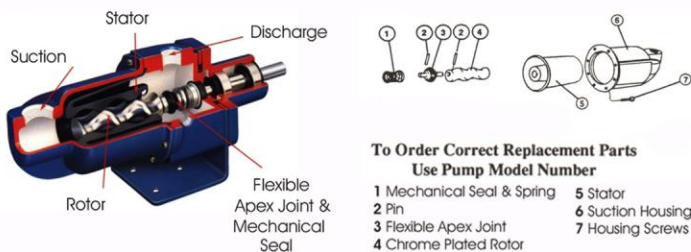


MSC Filclean Dome Filter Skid With PSK Pump

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



DIMENSIONS

PKR - P-2;4;6;9; or 15

PKR - P - 25

PKR - P - 50
MATERIALS OF CONSTRUCTION
Simple Inter-Changeable Parts


To Order Correct Replacement Parts
Use Pump Model Number

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

MODEL NUMBER FLOW VS PRESSURE

MODEL NUMBER	PHASE	H.P.	PSIG	G.P.M. OF WATER @ 70 ° F @ 1750 R.P.M.
PKR-P-2	3	1/2	0	2.10
PKR-T-2	1		25	1.70
PB2	PUMP ONLY	NOT APPLICABLE	50	1.40
		PUMP ONLY	75	1.25
PKR-P-4	3	1/2	0	4.70
PKR-T-4	1		25	4.05
PB4	PUMP ONLY	NOT APPLICABLE	50	3.40
		PUMP ONLY	75	2.80
PKR-P-6	3	1/2	0	6.20
PKR-T-6	1		25	5.45
PB6	PUMP ONLY	NOT APPLICABLE	50	4.70
		PUMP ONLY	75	3.90
PKR-P-9	3	1/2	0	9.40
PKR-T-9	1		25	7.00
PB9	PUMP ONLY	NOT APPLICABLE	50	4.45
PKR-P-15	3	1/2	0	15.70
PKR-T-15	1		25	12.00
PB15	PUMP ONLY	NOT APPLICABLE	30	11.80
PKR-P-25	3	1 1/2	0	24.00
PB25	PUMP ONLY	NOT APPLICABLE	25	22.00
			50	19.50
PKR-P-50	3	2	0	53.20
PB50	PUMP ONLY	NOT APPLICABLE	25	39.50
			50	25.00