

# Tools & Equipment N-50

# Monarch Effluent & Sewage Pumps

## WS SERIES

### Submersible Effluent Pumps

Pumps ideal for liquid effluent pumping applications, as well as light commercial applications with up to 1 1/16" diameter solids.



#### Features:

- **Construction** - Motor and pump housing is Cast Iron Class 30.
- **Cord** - Power cord sealed at motor housing.
- **Impeller** - Cast Iron Class 30. Solids handling non-clog impeller. Two vanes on the WS50, WS50H and WS100H. Three vanes on the WS30.
- **Seal** - Mechanical carbon/ceramic type 6, 5/8 rotary.
- **Shaft** - Motor shaft is 416 stainless steel.
- **Motor** - Oil filled chamber with automatic overload protection, double ball bearing. Capacitor Start designed for hi-torque and is thermally protected with automatic reset (single phase only).
- **Switch** - Mercury Free float switch for automatic on-off operation; piggyback style WS30. SJE\* pump master used on WS50, WS50H & WS100H models.
- **Discharge** - 2" NPT. Adaptor kit for 3" NPT available.
- **Fasteners** - Stainless steel fasteners

\* For automatic pumps only

PERFORMANCE CHART

Model No.	RPM	Maximum Capacities in U.S. GPM		Shut-Off Head (ft.)
		5	10	
WS30	1750	105	28	
WS50	3450	105	42	
WS50H	3450	115	63	
WS100H	3450	150	90	

## WSV SERIES Submersible Sewage Pumps Vortex



#### Features:

- **Construction** - Motor housing, pump volute, and impeller are cast iron.
- **Cord** - 20 foot power cord sealed at motor housing.
- **Impeller** - A high capacity cast iron vortex impeller, designed for superior solids handling capabilities. This impeller is able to pass 2" solids by creating a vortex. Solids do not come into contact with the impeller. This provides superior clog free operation.
- **Seal** - Carbon Ceramic mechanical seal.
- **Shaft** - 300 Grade stainless steel for corrosion resistance.
- **Motor** - Powerful CSA approved 115 volt, PSC motor. With thermal overload protection and double ball bearings for reliability.
- **Switch** - Mercury Free piggy-back float switch for automatic on-off operation.
- **Discharge** - 2" NPT.
- **Fasteners** - 304 Stainless steel fasteners throughout, for serviceability.

PERFORMANCE CHART

Model No.	Total Head in Feet				Shut-Off Head (ft.)
	5	10	15	20	
	Capacities in U.S. GPM				
WSV52H	90	75	57	36	25