



## 119MP Bronze Pedestal Centrifugal Pump



### Features

- Pipe Size Inlet: 1-1/4", Outlet: 1"
- Rugged Bronze Construction
- Quiet Operation
- O-Ring housing seal eliminates gasket problems
- Mechanical Seal Buna- standard Viton® (S10) optional
- Designed for Pulley Drive Stainless Steel Shaft Standard Monel Shaft (OB119MP-01) optional Independent Sealed Ball bearings No Bearing Lubrication required
- Handles contaminated liquids
- Discharge port orientation flexibility - 8 positions

### Uses

Silent, efficient, centrifugal pumping is ideal for convenient equipment location in offices, laboratories, public areas, and living quarters. Long trouble-free service life has made centrifugal pumps acceptable for industrial uses or wherever clean or contaminated liquid is to be transferred or handled.

The 119MP centrifugal pumps have external ball bearings isolated from the liquid being pumped. The ball bearings are grease sealed for life requiring no maintenance.

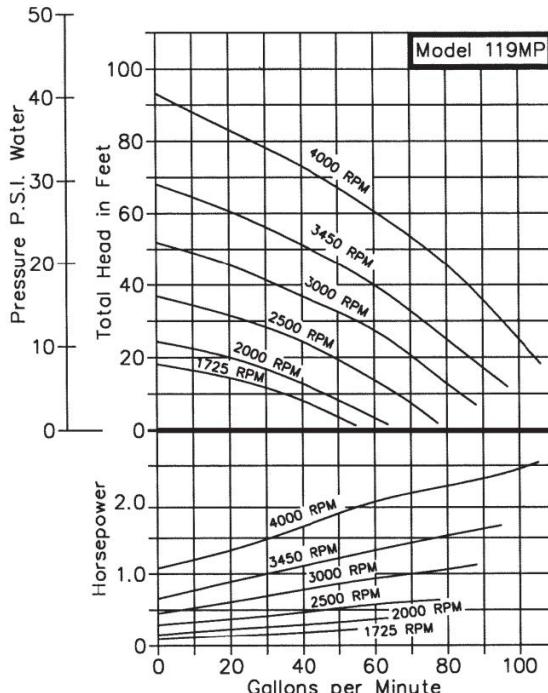
### Characteristics

Oberdorfer centrifugal pumps have a single rotating metal impeller. Liquid enters at the center and is thrown outward radially by centrifugal force. The impeller is not in contact with other pump parts resulting in quiet, efficient, pumping action.

The flow produced is not positive which permits the discharge line to be shut off completely without danger of overloading motors or bursting lines. Consequently a relief valve is not required.

### Performance

Capacity Water at 60°F



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The liquid flow varies directly as the pump speed the higher the speed the greater the flow. Horsepower required varies directly as flow and pressure. Maximum horsepower is required with a wide open discharge line. This is the point of maximum flow. With a throttled discharge, the flow decreased at a greater rate than the pressure increases thereby requiring less horsepower at the higher pressures. This is known as an "unloading" feature of the pump.

This centrifugal pump is not self priming. Normally these pumps must be installed below the liquid level so that the liquid flows to the pump by gravity. However, if a foot valve is used at the beginning of the suction line and all air is bled from the suction line and pump by careful manual priming, these pumps will lift liquid on the suction side up to 15 ft. Such a system is only as positive as the ability of the foot valve to seal and keep the suction line and pump full of liquid. If the foot valve should leak, the pump will not prime.

The pedestal centrifugal pumps can be direct driven by electric motors at either 3450 R.P.M. or 1725 R.P.M. Performance for both speeds is listed in the capacity chart above. The 119MP pedestal centrifugal pumps can be pulley driven at any desired intermediate speed.





S.A.E. 30 oil at room temperature has a viscosity of 2000 Saybolt Seconds Universal. More viscous liquids are not recommended for centrifugal pumps.

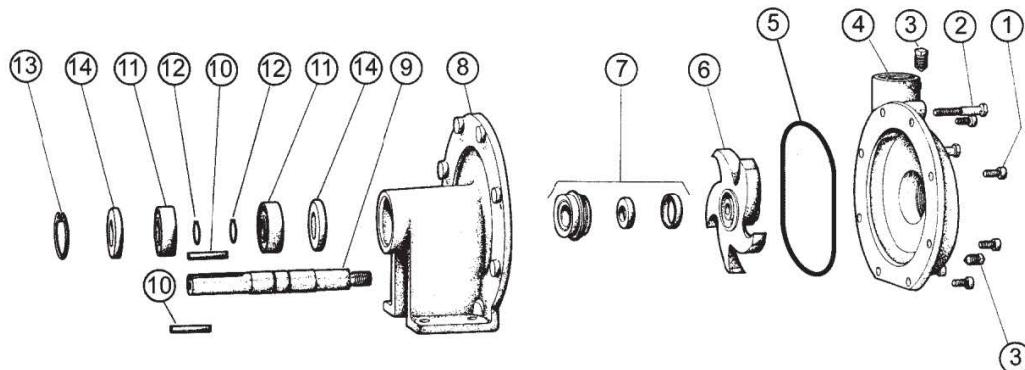
Heavy liquids can be pumped; however, they demand more horsepower in direct ratio to the weight of water. For example, carbon tetrachloride has a specific gravity of 1.6 which means it is 1.6 times heavier than water and the horsepower required is 1.6 times water horsepower.

## Liquids and Temperatures

Bronze pumps are suitable for most common liquids in the PH-range from 4 to 11. The temperature limit for bronze pumps is 212°F, higher temperatures are possible with Viton® seals. If in doubt, consult factory.

## Shaft Seal Options

Mechanical Shaft Seals have Buna N rubber components (212°F max) as standard. For temperatures up to 400°F, a Viton® seal must be selected by adding code S10 to the pump number.



	1	2	3	4	5*	6*	7*	8	9*	10	11*	12*	13	14*	Repair Kit
Model	Qty. 5	Qty. 3	Qty. 2	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 1	Qty. 2	Qty. 2	Qty. 1	Qty. 2	
OB119MP	OB978304	OB978314	OB5395	OB5266	OB9797-157	OB6179	OB32155	OB6887	OB7037	OB6567	OB5928	OB5926	OB5925	OB6609	OB10901
OB119MP-01	OB978304	OB978314	OB5395	OB5266	OB9797-157	OB6179	OB32155	OB6887	OB6890	OB6567	OB5928	OB5926	OB5925	OB6609	OB10917
OB119MPS10	OB978304	OB978314	OB5395	OB5266	OB9797-157	OB6179	OB32210	OB6887	OB7037	OB6567	OB5928	OB5926	OB5925	OB6609	OB12318

\*Items 5, 6, 7, 9, 11, 12 & 14 included in Repair Kits.

## Dimensions

