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 RPM or 1725 RPM. Performance for both speeds are shown in the curves above. The 50P pedestal centrifugal pumps can be pulley driven at any desired intermediate speed.

Because centrifugal pumps are more efficient at higher shaft speeds, pumping of viscous or thick liquids is difficult. It is possible to lose as much as 40% pump performance when attempting to pump liquids of viscosity equal to S.A.E. 30 oil at room temperature. SAE 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.
Bronze Close Coupled Centrifugal Pump
Models 50P-15; 50P-35

Exploded View and Parts List

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<th>Repair Kit</th>
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<tr>
<td>Screw</td>
<td>Qty. 6</td>
<td>Cover</td>
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<td>Gasket</td>
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* Repair kit contains items 3, 4, 5, 11.

Differences between the 50P-15 and 50P-15: slinger between seal and bearing, keyed shaft at drive end, and top horizontal outlet position.

Dimensions

**SHAFT SEAL OPTIONS**
Mechanical Shaft Seals have Buna 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.

In most instances, Viton®* seals are not field interchangeable with the standard Buna seals. Call factory for details.

VITON® is a trademark of DuPont Dow. VITON® or equivalent FKM may be used.

Visit www.oberdorfer-pumps.com to find in-depth descriptions of the world’s leading high-quality, dependable pumps.

Due to ongoing product improvements, data shown here is subject to change without notice. Contact Oberdorfer Pumps for latest specifications.