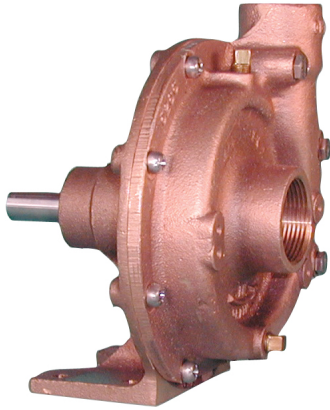


BRONZE PEDESTAL CENTRIFUGAL PUMPS

CENTRIFUGAL PUMPS SERIES 70P

PERFORMANCE



FEATURES

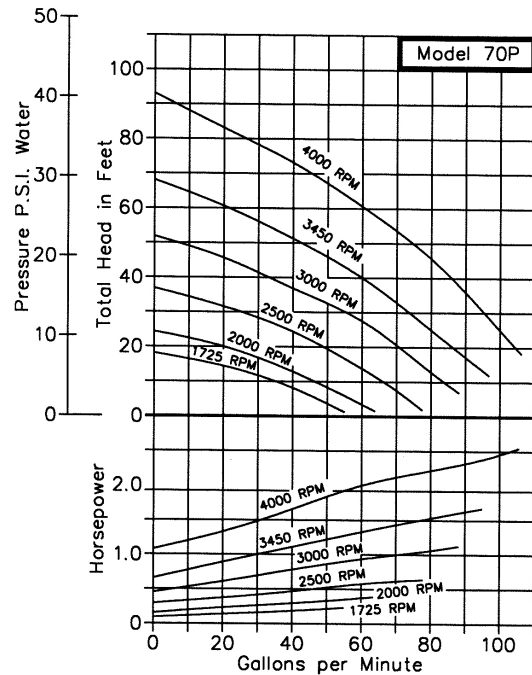
- Rugged Bronze Construction
- Quiet Operation
- O-Ring Housing seal eliminates gasket problems
- Mechanical Seal - Carbon/Ceramic
- Nitrile - standard
- Fluoroelastomer (S10) or Polytetrafluoroethylene (PTFE) (S11) - options
- Designed for Pulley Drive
- Heavy Duty Integral Steel Shaft and Ball Bearings
- Handles Contaminated Liquids
- No bearing lubrication required
- For Close Coupled Style, see Model 700

DRIVE

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 are shown in the curves above. The 70P pedestal centrifugal pump can be pulley driven at any desired intermediate speed.

LIQUIDS AND TEMPERATURE

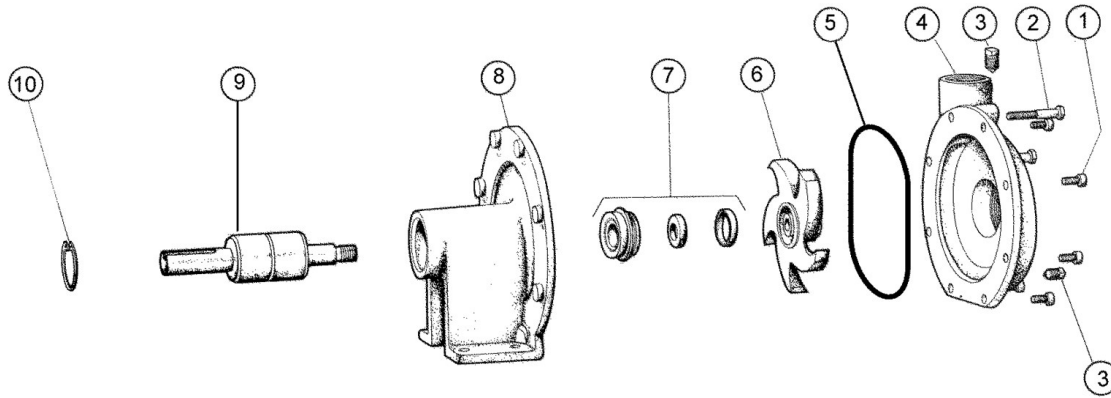
Bronze pumps are suitable for most common liquids in the PH-range from 4 to 11. The temperature limit for bronze pumps is 212o F, higher temperatures are possible with Fluoroelastomer or Chemlon seals. If in doubt, consult with factory. Because centrifugal pumps are more efficient at higher shaft speeds, 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. 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.



SUCTION LIFT

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.

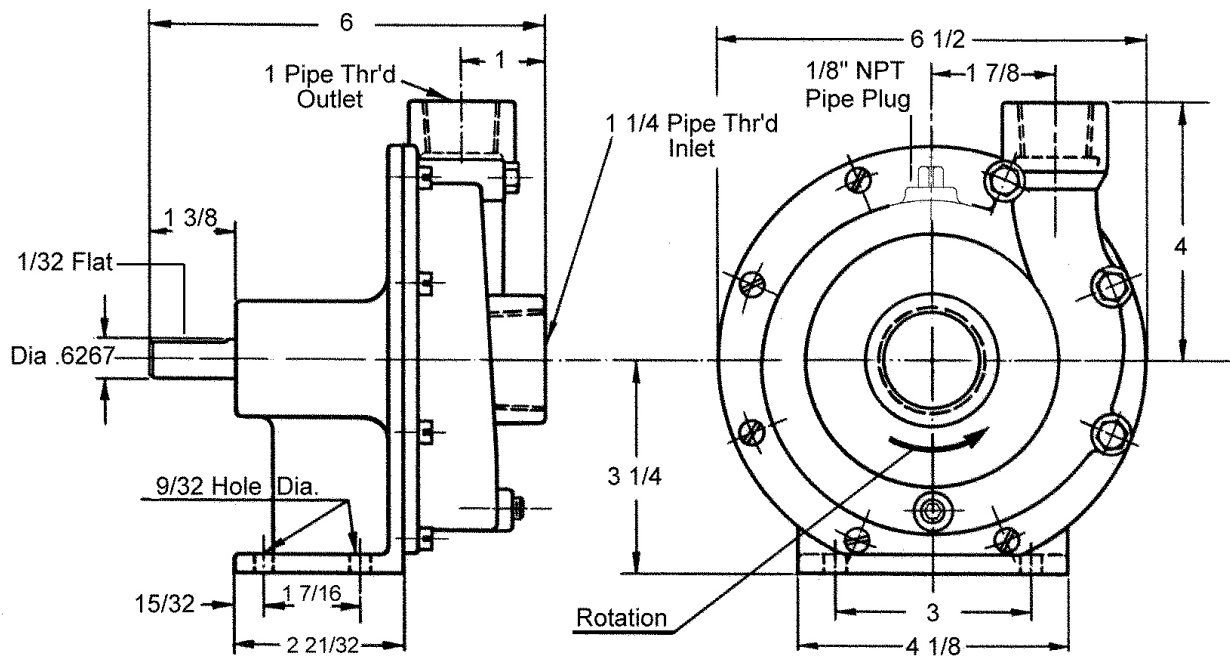
EXPLODED VIEW AND PARTS LIST



Pump No.		1	2	3	4	5 ¹	6 ¹	7 ¹	8	9 ¹	10	11	Repair Kit
		Screw	Screw	Plug	Body	O-Ring	Impeller	Seal Assembly	Pedestal Cover	Shaft & Bearing	Ret. Ring	Set Screw	
		5 Req'd	3 Req'd	2 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	1 Req'd	
70P	Nitrile Mechanical	9783-04	9783-14	5395	5266	9797-157	5267	32154	5272	5348	5741	---	10693
70PS-10	Fluoroelastomer Mechanical	9783-04	9783-14	5395	5266	9797-157	6179	32210	5272	5348	5741	---	11161
70PS-11	Polytetrafluoroethylene (PTFE) Mechanical	9783-04	9783-14	5395	5266	9355-157	6179	32211	6358	5348	5741	---	11366
70P-35	Nitrile, Keyed Shaft, 3 Phase Impeller	9783-04	9783-14	5395	5266	9797-157	6521	32154	5272	8114	5741	9849	11188

¹ Repair Kit contains items 5, 6, 7, & 9. (and 5307 gasket for older models)

DIMENSIONS



SHAFT SEAL OPTIONS

Mechanical Shaft Seals have Nitrile rubber components (212oF max) as standard. For temperatures up to 400oF a Fluoroelastomer seal must be selected by adding code S10 to the pump number. To handle strong solvents and chemicals (compatible with bronze), a Chemlon seal (500oF max) must be specified by adding code S11 to the pump number. In most instances, Fluoroelastomer and Chemlon seals are not field interchangeable with the standard Nitrile seals. Call factory for details.