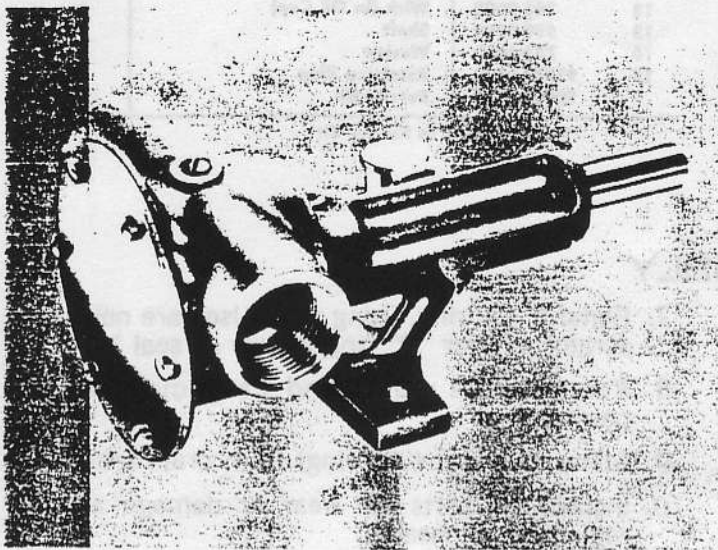


# JABSCO® PUMP

Self-Priming Pumps

# MODEL: 584-0001

Product Data



## DESIGN FEATURES

- Body: **Bronze Construction**
- Impeller: **Jabasco Neoprene Compound**
- Shaft: **Stainless Steel**
- Shaft Seal: **Mechanical Lip Type**
- Bearings: **Plain**
- Ports: **1" NPT**
- Weight: **6¼ lbs. (approximately)**

MODEL 584-0001

## APPLICATIONS AND OPERATING INSTRUCTIONS

**MARINE:** Pumping bilges, Washdowns, Circulating water in bait tanks, Utility dock side pump, Engine cooling.

**INDUSTRIAL:** Circulating and transferring, Velocity-mixing, Pumping machine tool coolants, Return spill, Sump drainage, Chemicals, Pharmaceuticals, Soap, Liquors, Ink, Dyes, Alcohol, Various acids, Tanning liquors, Glycerine, Brine, etc.

**FARMING:** Pumping water for stock, Pumping water from shallow wells and cisterns. Pumping liquid ballast into tractor tires.

**PLUMBING & HOME EMERGENCY USE:** Pumping out flooded basements, Cesspools, Sumps, Water heaters and water closets, Drains and sinks, Draining fishponds and pools.

1. **INSTALLATION** — Pump may be mounted in any position. Intake and discharge ports are determined by the direction of shaft rotation (refer to Dimensional Drawing). Before installing, turn the pump shaft in the direction of the operating rotation.

2. **DRIVE** — Belt or Direct with flexible coupling.

Belt Drive — Overtight belt load will reduce pump bearing life.

Direct Drive — Clearance should be left between drive shaft and pump shaft when installing coupling. Always mount and align pump and drive shaft before tightening the coupling set screw.

3. **SPEEDS**—100 RPM to the maximum shown in the performance table. Consult the factory for operation at speeds above those shown. For longer pump life, operate at lowest possible speeds.

4. **SELF-PRIMING** — Primes at low or high speeds. For vertical dry suction lift of 10 feet a minimum of 800 RPM is required. Pump will produce suction lift up to 22 feet when wetted. **BE SURE SUCTION LINES ARE AIR TIGHT OR PUMP WILL NOT SELF-PRIME.**

5. **RUNNING DRY** — Unit depends on liquid pumped for lubrica-

tion. **DO NOT RUN DRY** for more than 30 seconds. Lack of liquid will burn the impeller.

6. **CAUTION** — Do not pump light fraction petroleum derivatives, solvents, thinners, highly concentrated or organic acids. If corrosive fluids are handled pump life will be prolonged if flushed with water after each use or after each work day.

7. **PRESSURES** — Consult Head Capacity Table for recommended maximum for continuous operation. If pressures exceed those shown, consult the factory.

8. **TEMPERATURES** — 45°-180° F.

9. **GASKET** — Use a standard pump part. Thicker gasket will reduce priming ability. A thinner gasket will cause the impeller to bind. Gasket is .010" thick.

10. **OIL CUP** — Fill oil cup with SAE 20 or 30 weight oil.

11. **SPARE PARTS** — To avoid costly shut downs, keep a JABSCO Service Kit on hand.

