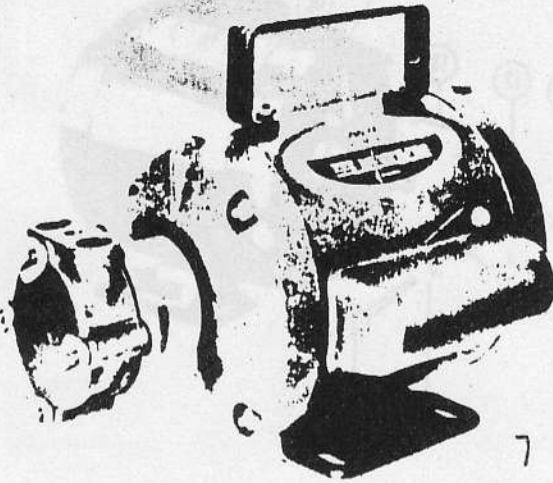


# JABSCO® PUMPS

Self-Priming Pumps

# MODEL 5600-0001

Product Data



## DESIGN FEATURES

|             |  |
|-------------|--|
| Body:       | <b>Stainless Steel</b>   |
| Impeller:   | <b>Neoprene Compound</b>   |
| Shaft:      | <b>Motor Shaft Protected<br/>by Stainless Steel Impeller Sleeve<br/>Replaceable</b>  |
| Wearplate:  | <b>Lip Seal</b>  |
| Shaft Seal: | <b>3/8" NPT, Internal</b>  |
| Port:       | <b>1/4 H.P. T.E.N.V. Capacitor Type<br/>Overload Protector, 1725 RPM<br/>60 Cycles, Single Phase, 115 VAC<br/>6' Cord and Plug</b> |
| Motor:      | <b>27 lbs. Approx. (12,3 Kg)</b>   |

## VARIATION AVAILABLE

| Model     | Variation Incorporated           |
|-----------|----------------------------------|
| 5600-0003 | Nitrile Impeller                 |
| 5600-0004 | Viton impeller, "O" Rings & Seal |

MODELS 5600-0001

## TYPICAL APPLICATIONS

**INDUSTRIAL:** Circulating and transferring corrosive liquids. Returning spilled liquids to process. Transferring foaming solutions with entrained air, such as soaps and detergents. Industrial and processing systems. Ideal for sampling and pilot plant installations. Circulating non-abrasive slurries (low speed). Transferring inks, dyes, sizes, starches, etc. Circulating through various-type filters.

**PHARMACEUTICAL:** Processing medicines, lotions, preparations. Filtering pharmaceutical solutions.

**CHEMICAL:** Circulating and transferring various chemicals such as alcohols, ammonia, barium, copper sulphate, cyanide solutions, silver nitrate, sodium bicarbonate, sodium thiosulphate.

Circulating and transferring various acids such as boric, carbonic, citric, phosphoric, etc. Circulating photo processing solutions including fix and developer. Recirculating through electro-plating filters. Circulating and transferring alkaline solutions.

## OPERATING INSTRUCTIONS

**INSTALLATION**—Pump may be installed in any position. The intake port is on the right when looking at pump end cover.

**SELF-PRIMING**—Vertical, dry suction lift of 10'. Pump will produce suction lift up to 22' when wet. **BE SURE SUCTION LINES ARE AIR TIGHT** or pump will not self-prime.

**DISCHARGE**—When transferring liquids further than 25', use 1/2" I.D. discharge line.

**RUNNING DRY**—Unit depends on liquid pumped for lubrication. **DO NOT RUN DRY FOR MORE THAN 30 SECONDS.** Lack of liquid will damage the Impeller and Seal.

**CAUTION**—If very corrosive fluids are handled, pump life will be prolonged if flushed with water or neutralized after each period of service. Consult Jabsco Chemical Resistance Table. For further information, consult factory.

**PRESSURES**—For continuous operation, pressure should not exceed 20 PSI.

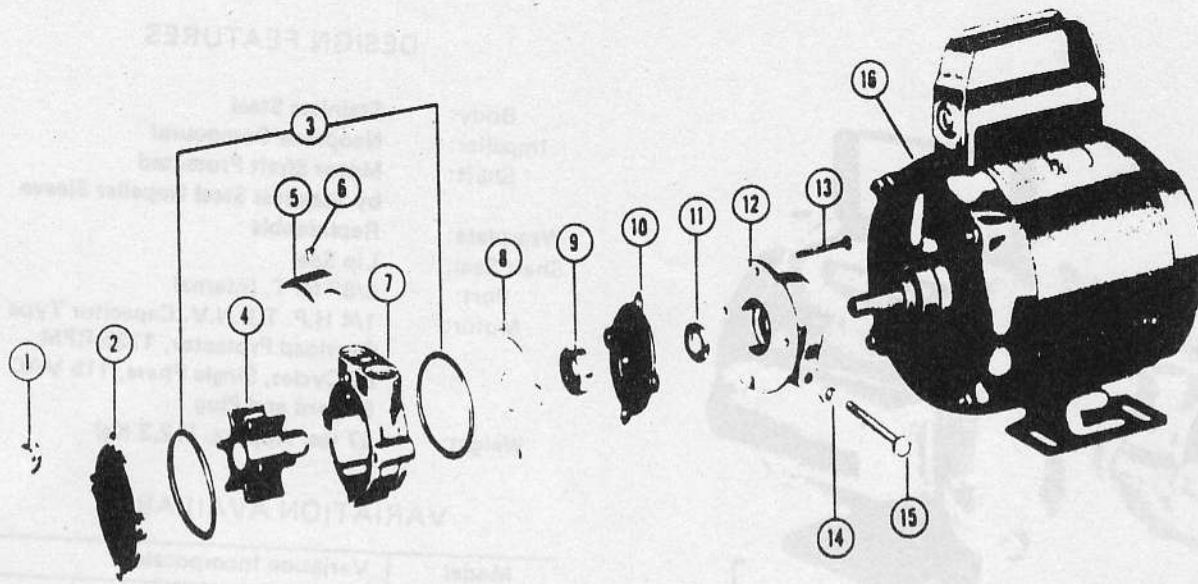
**TEMPERATURE**—Neoprene Impeller 45° to 180°F., Nitrile Impeller 50° to 180°F., Viton Impeller 60° to 180°F.

**SPARE PARTS**—A Jabsco Service Kit should be kept on hand to maintain all but the most badly worn pumps.

# JABSCO PRODUCTS ITT

Form 43000-0022 Rev. 7-76

## EXPLODED VIEW



### PARTS LIST

| Key | Part Number | Description                   | Qty. Req. |
|-----|-------------|-------------------------------|-----------|
| 1   | 91107-0010  | Wing Nuts                     | 4         |
| 2   | 5605-0000   | End Cover                     | 1         |
| 3   | 92000-0410  | "O" Ring                      | 2         |
|     | 92000-0770  | "O" Ring (Viton)              |           |
| 4   | 5606-0001   | *Impeller Assembly - Neoprene | 1         |
|     | 5606-0003   | Impeller - Nitrile            |           |
|     | 5606-0004   | Impeller - Viton              |           |
| 5   | 900-0000    | Cam                           | 1         |
| 6   | 91041-0010  | Cam Screw                     | 1         |
| 7   | 864-0000    | Body                          | 1         |
| 8   | 891-0000    | Wear Plate (Body to Adapter)  | 1         |
| 9   | 92700-0680  | *Seal (Shaft)                 | 1         |
|     | 92700-0940  | Seal (Shaft) - Viton          |           |
| 10  | 5065-0000   | *Seal (Liner)                 | 1         |
| 11  | 6946-0000   | Slinger                       | 1         |
| 12  | 5604-0000   | Adapter                       | 1         |
| 13  | 91093-0010  | Bolt (Body)                   | 4         |
| 14  | 91105-0030  | Hex Nut                       | 1         |
| 15  | 91095-0090  | Bolt                          | 1         |
| 16  | 93004-0480  | Motor Assembly                | 1         |

\*Contained in Service Kit

### SERVICE KITS

| MODEL     | REPLACEMENT PUMP               | SERVICE KIT                                     |
|-----------|--------------------------------|---|
| 5600-0001 | 5608-0001<br>Neoprene Impeller | 90052-0001<br>Neoprene Impeller                 |
| 5600-0003 | 5608-0003<br>Nitrile Impeller  | 90052-0003<br>Nitrile Impeller                  |
| 5600-0004 | 5608-0004<br>Viton Impeller    | 90052-0014<br>Viton Impeller<br>"O" Ring & Seal |