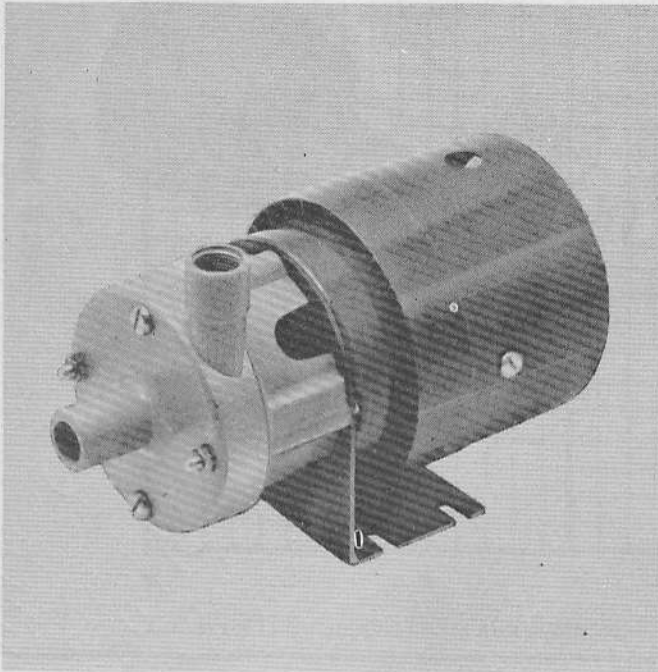


MODEL: 17860-0000

Product Data



MODEL 17860-0001

DESIGN FEATURES

- Pump Material: **Plastic - CPVC**
- Impeller Design: **Semi-open**
- Shaft Mechanical Seal: **Viton, Carbon/Ceramic Face**
- Suction Port Connection: **3/4" O.D. for Slip-On hose connection**
- Discharge Port Connection: **3/8" NPT Internal & 3/4" O.D. for Slip-On hose connection**
- Shaft: **316 Stainless Steel**
- Maximum Temperature: **180° F**
- Motor: **115 V., A.C., 1/40 H.P., 3000 RPM, 60 cycle thermal overload protection, open type enclosure, Class "A" insulation. Three prong grounded plug**

MODEL 17860-0000

VARIATIONS AVAILABLE

Model	Description	Part No.
17860-0001	T.E.F.C. Motor Motor only	93004-2420

APPLICATION AND OPERATING INSTRUCTIONS

INDUSTRIAL—Pump designed for transfers, circulation, filtration, and drainage. Plastic body is corrosion resistant for handling corrosive fluids, photo chemicals and many others.

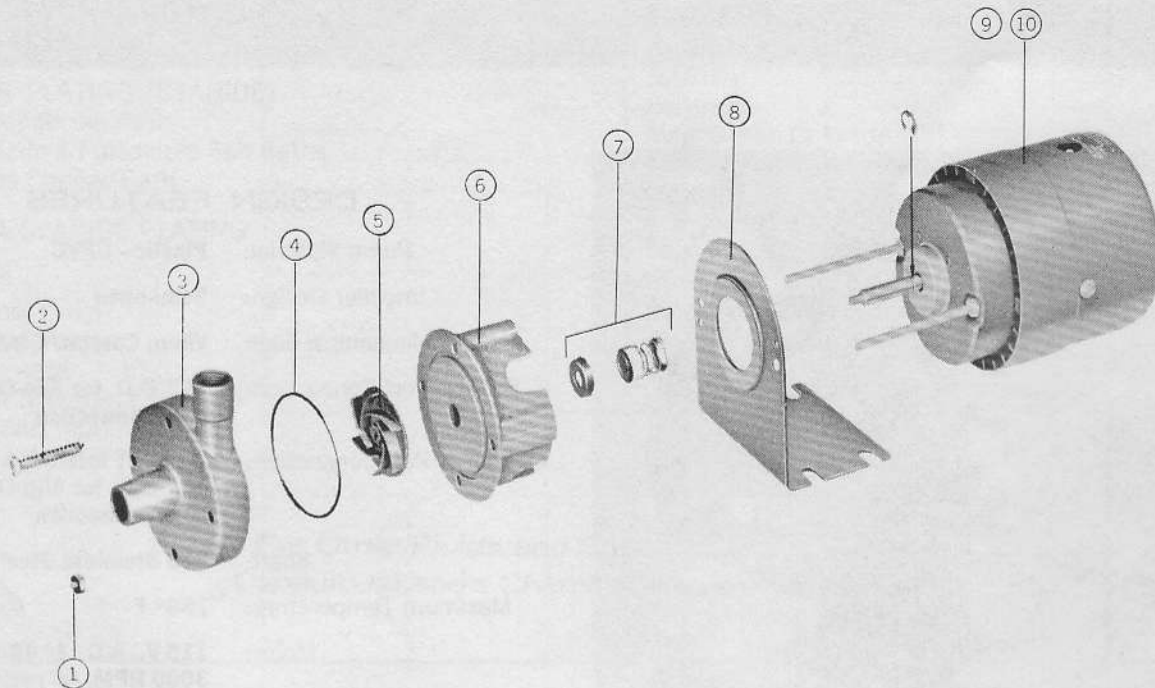
OEM—Air conditioning units, laundry equipment, ice makers, vending machines, laboratory equipment, and many others.

1. **INSTALLATION**—Pump is a non self-priming centrifugal design. Flooded suction installation is recommended. Rotation is clock-wise (viewed from motor end).
2. **PRIMING**—Pump must be primed before starting. Do not run dry. Damage will result.
3. **CAUTION**—Use only plastic fittings in discharge port.
4. **LOCATION**—Pump inlet should be located below liquid surface. Keep suction and discharge

line as free of elbows and valves as practical to obtain maximum performance.

5. **SUCTION AND DISCHARGE LINES**—Both should be supported independent of pump. Suction line should be air tight. Discharge lines should be designed with minimum number of fittings and bends to reduce head loss from friction.
6. **PRIMING**—If there is some suction lift, a flap type foot valve can be used to facilitate priming.

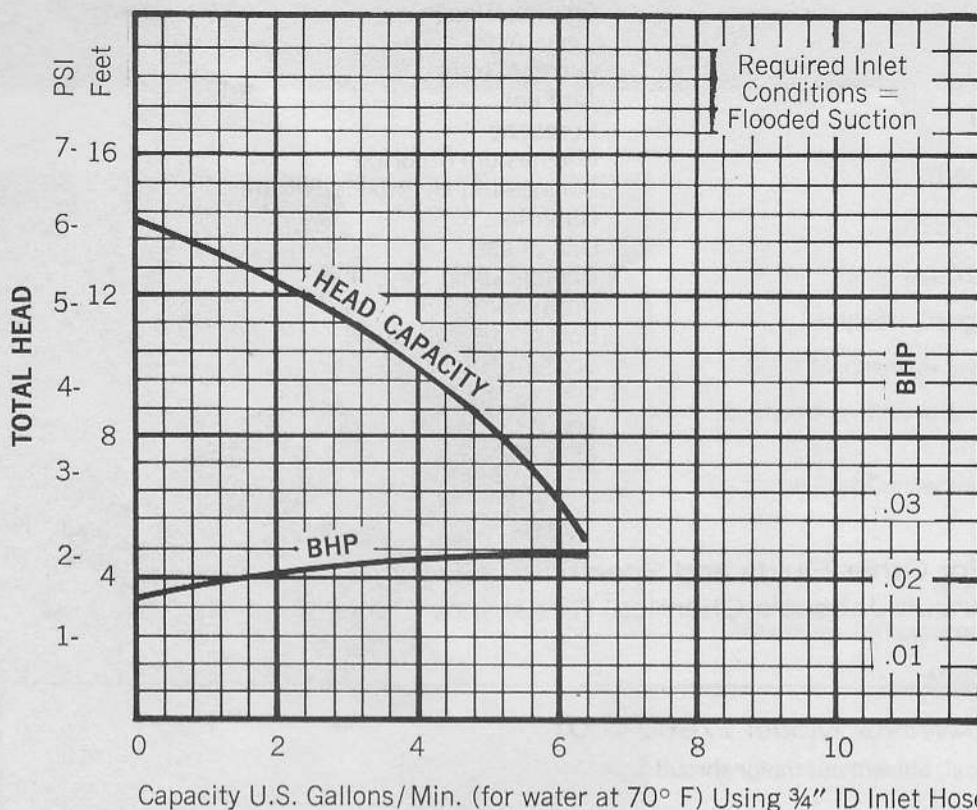
EXPLODED VIEW



PARTS LIST

Key	DESCRIPTION	Qty. Req.	Part No.
1	Nut, Hex	2	94000-0050
2	Screw	2	93950-0060
3	Pump Body	1	17859-0000
4	"O" Ring	1	92000-0990
5	Impeller	1	17865-0000
6	Seal Housing	1	17858-0000
7	Seal, Shaft	1	96080-0370
8	Mounting Bracket	1	17864-0000
9	Motor-Open Enclosure	1	93004-2440
10	Motor totally enclosed fan cooled	1	93004-2420

PUMP PERFORMANCE



Pump Model
17860-0000 Series

Port Suction
3/4" Slip-on Hose

Discharge 3/8" NPT Int.
& 3/4" O.D. for
Slip-on Hose
Connection

Impeller No.
17865-0000

Speed
3000 RPM

Maximum HP
1/40

Max. Allowable Sp. Gr.
1.4 @ 13.6 Ft. HD
1.05 @ 5 Ft. HD

SERVICE INSTRUCTIONS

DISASSEMBLY

1. Loosen screws and nuts and remove body from seal housing.
2. Unscrew impeller from shaft, holding motor shaft from turning.
3. Remove "O" Ring from seal housing.
4. Remove seal housing from mounting bracket.
5. Remove seal seat from seal housing.
6. Remove seal assembly from shaft.
7. Remove bracket from motor.

ASSEMBLY

1. Install bracket on motor bearing boss.
2. Coat seal housing seal bore and motor shaft with abrasive-free soap solution. (P-80 or equal)
3. Install seal seat in seal housing with ceramic exposed.
4. Install seal spring and carbon seal on shaft with carbon face outward. Do not push down on shaft.
5. Align seal seat in seal housing with carbon face of seal on shaft. Push housing down, rocking gently to start seal straight on shaft. Push seal housing down firmly engaging locating pins in holes in mounting bracket.
6. Install "O" Ring in seal housing.
7. Screw impeller onto shaft firmly against shaft shoulder.
8. Install body on seal housing and secure with nuts and screws. Nuts should be torqued to 10 inch pounds.

A FEW OF THE MANY CHEMICALS AND FLUIDS HANDLED:

PLATING SOLUTIONS:

BRASS PLATING
High Speed Brass Bath

COPPER PLATING (CYANIDE)
Copper Strike Bath
Rochelle & Potassium Salt Baths
Barrel Copper Bath

INDIUM CYANIDE PLATING

OTHERS:
Alcohol Butyl
Alcohol Propyl
Boric Acid
Brine (calcium chloride)
Carbonic Acid

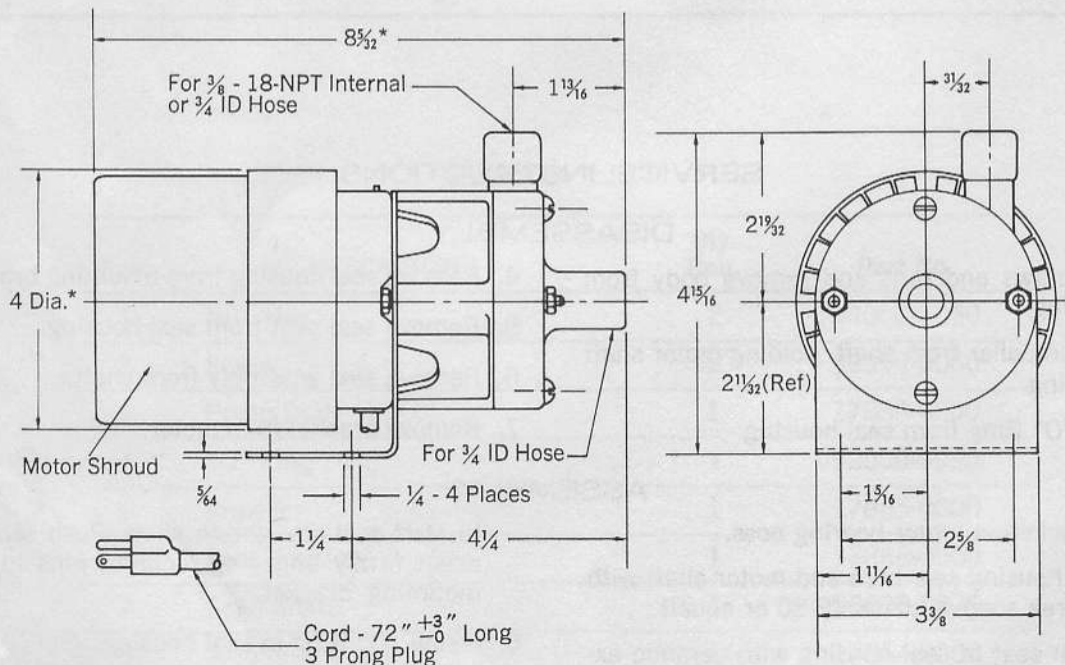
OTHERS (Cont'd)

Chlorox Bleach
Citric Acid
Ferric Nitrate
Jet Fuel
Kerosene
Magnesium Chloride
Magnesium Hydroxide Nitrate
Naphtha
Oils (most)
Photographic Developer
Phosphoric Acid (to 45%)
Potassium Hydroxide
Sodium Thiosulfate
Water — Salt
Water — Fresh
Zinc Sulfate

For Other Fluids and Specific Applications
Consult Jabsco's Chemical Resistance Table

DIMENSIONAL DRAWING Model 17860-0001

Model 17860-0000 Identical, but without motor shroud.)



*Model 17860-0000 with open motor overall — length 7 $\frac{7}{8}$ " x 3 $\frac{3}{8}$ " wide.

JABSCO PRODUCTS **ITT**

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