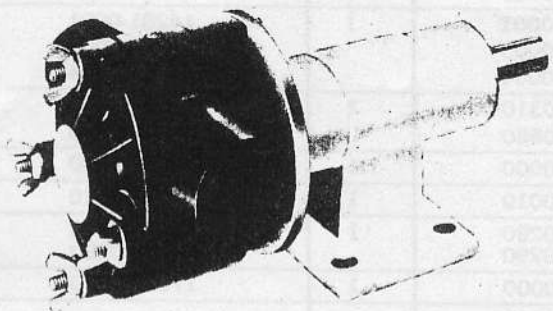


# JABSCO® PUMPS

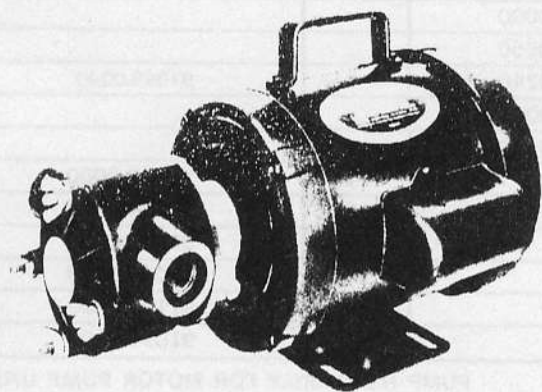
Self Priming Pumps

# MODELS: 17590-0001 & 17430-0001

Product Data



Shipping Weight 7½# 3,4 Kg. 17590-0001



Shipping Weight 33½# 15,2 Kg. 17430-0001

## DESIGN FEATURES

Pump Series No.: 17590-0001 Pedestal Mounted  
17430-0001 Motor Pump Unit

Body: Epoxy Plastic

Impeller: Neoprene, Nitrile or Viton

Shaft Seal: Mechanical

Ports: ½" I.P.T.

Shaft: Corrosion Resistant Steel with Epoxy Drive Sleeve in Contact with Fluid

Motor: 115 volt AC, ½ H.P., 1725 RPM, 60 cycle, overload protected, capacitor start, totally enclosed. Fan cooled. Three-prong grounded plug.

(MDL 17430-0001)

## VARIATIONS AVAILABLE

Model	Description	Part No.	Qty. Reg.
17590-0003	Model 17590-0001 with Nitrile Impeller	14281-0003	1
17590-0004	Model 17590-0001 with Viton Impeller, Seal & "O" Ring	14806-0004	1
		96080-0290	1
		92000-0880	2

NOTE: For 17430-0001 Motor Pump Unit, same variations available.

## APPLICATION & OPERATING INSTRUCTIONS

Designed for: "transfers," "circulation," "spill returns," "filtration" and "filling line" use. Easily handles pure solutions, foaming liquids; emulsions, suspended solids, gels and ferments. Because the plastic pump is resistant to corrosion and metallic contamination it is widely used for pumping photo chemicals, plating compounds, lab solutions, pharmaceuticals, cosmetics, weak acids, alkalies, liquid fertilizers, insecticides, dyes, detergents, waxes and many more. There is no pump metal part in contact with the fluid. See the JABSCO Pump "Chemical Resistance Table" which has been prepared to help you select the most suitable impeller and pump material.

1. **INSTALLATION** — Pedestal Mounted Pump may be mounted in any position. The rotation of the pump shaft determines the location of the pump's intake and discharge ports. Refer to end cover. Before starting, turn the pump shaft in the direction of the operating rotation.
2. **DRIVE** — Belt or direct with flexible coupling for pedestal mounted unit. Clearance should be left between drive shaft and pump shaft when installing coupling. Always mount pump and align drive shaft before tightening the coupling set screw.
3. **SPEEDS** — Pedestal Mounted Pump - 100 RPM to the maximum shown in the performance table. For longer pump life, operate at lowest possible speeds.
4. **SELF-PRIMING** — Primes at low or high speeds. For vertical dry suction lift of 15 feet, a minimum of 1750 RPM is required. Pump will produce suction lifts 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 lubrication. **DO NOT RUN DRY FOR MORE THAN 30 SEC.**

# JABSCO PRODUCTS ITT

Form 4300-0012 Rev. 7-76

MODELS: 17590-0001, 17430-0001

# PARTS LIST

KEY	DESCRIPTION	QTY. REQ.	PEDESTAL VERSION MODEL 17590 PART NO.	QTY. REQ.	MOTOR PUMP UNITS MODEL 17430 PART NO.
1	WING NUT	4	91107-0030	4	91107-0030
2	WASHER	12	91601-0040	4	91601-0040
3	STUD	2	91090-0120		
4	STUD	2	91090-0040	2	91090-0040
5	END COVER	1	17434-0000	1	17434-0000
6	IMPELLER — NEOPRENE — NITRILE — VITON	1	14281-0001 14281-0003 14806-0004	1	14281-0001 14281-0003 14806-0004
7	'O' RING — STANDARD — VITON	2	92000-0310 92000-0880	2	92000-0310 92000-0880
8	BODY	1	14924-0000	1	14924-0000
9	SEAL HOUSING	1	14533-0010	1	14533-0010
*10	SEAL ASSEM. STANDARD (CARBON/CERAMIC) VITON	1	96080-0280 96080-0290	1	96080-0280 96080-0290
11	DRIVE SLEEVE	1	17006-0000	1	17006-0000
12	BEARING SEAL	2	00496-0000		
13	RETAINING RING	2	91700-2500		
14	BALL BEARING	2	92600-0120		
15	BEARING HOUSING	1	01269-0000		
16	HEX NUT	2	91085-0050		
17	BOLT	2	91095-0240	2	91095-0240
18	SHAFT	1	17597-0000		
19	KEY	1	91402-0110		
20	ADAPTOR			1	17433-0000
21	BOLT			2	91094-0120
22	COLLAR			1	98022-0700
23	MOTOR			1	93004-1850
24	NUT - ADAPTOR			1	91105-0030
25	BOLT - ADAPTOR			1	91095-0090

\* Available as optional part — Seal Assembly  
Carbon/Carpenter 20 Standard—17221-0050  
Carbon/Carpenter 20 Viton—17221-0040

PUMP HEAD ONLY FOR MOTOR PUMP UNIT  
— NEOPRENE IMPELLER — 17438-0001  
— NITRILE IMPELLER — 17438-0003  
— VITON IMPELLER — 17438-0004

