

OPERATING INSTRUCTIONS

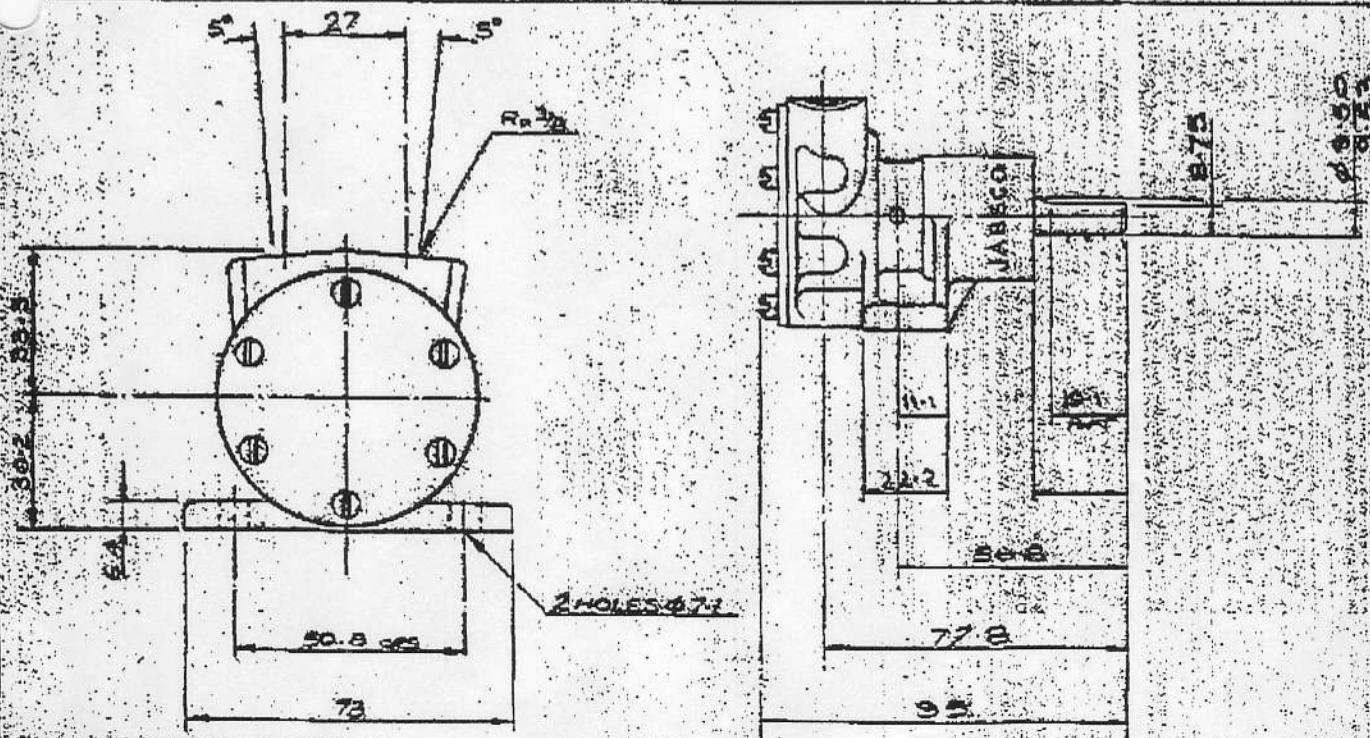
1. **Installation:** Pump may be mounted in any position. The rotation of the pump shaft determines the location of the pump's intake and discharge ports. Refer to dimensional drawing. Before starting, turn the pump shaft in the direction of the operating rotation.
2. **Drive:** Belt Drive: Proper belt tension will give optimum performance and belt life. Direct Drive: Clearance should be less between drive shaft and pump shaft when installing coupling. Mount and align pump and drive shaft before tightening set screws. Flexible coupling recommended.
3. All pumps are self priming, i.e. do not require to be filled with liquid to start up. If impeller is greased with petroleum jelly or wetted with liquid the pump will prime with a vertical suction lift up to 3m (based on water, specific gravity 1.0), but then must operate at minimum speed of 750-800 RPM.
4. **Running Dry:** Unit depends on liquid pumped for lubrication. Do not dry run for more than 30 seconds which is sufficient time for self-priming. Lack of liquid will cause deterioration of impeller.

5. **Caution:** Do not pump light fraction petroleum derivatives, solvents, thinners, highly concentrated or organic acids. If it is necessary to pump these fluids with the standard Neoprene Impeller then pump life will be prolonged if flushed with water or neutralising agent after each operation.
6. **Pressures:** For continuous operation, pressure should not exceed 1.4 bar (20 psi).
7. **Temperatures:** Jabsco neoprene compound impellers are suitable for temperatures of 4-80°C.
8. **Frosting Temperatures:** Drain unit by loosening end cover. Most methyl alcohol (methanol) based anti-freeze can be used. Do not use petroleum based anti-freeze compounds or rust inhibitors.
9. **Gasket:** Use standard pump part. A thicker gasket will reduce priming ability. A thinner gasket will cause impeller to bind.
10. **Spare Parts:** A Jabsco Service Kit should be kept on hand to rebuild all but the most badly worn pumps.

IMPORTANT SAFETY: It is a requirement that the following are strictly adhered to:

1. **Mechanical:** all moving parts are adequately guarded to prevent accidental contact.
2. **Electrical:** (a) all wiring must be carried out by a qualified electrician. (b) when capacitors are employed in motor circuits they retain a charge after the supply has been isolated. This must be discharged before touching motor terminals to avoid the risk of an electrical shock.
3. **Operational:** before switching on, a check must be carried out to see that the installation conforms with local and national regulations, including mechanical and electrical requirements, by a suitably qualified person.
4. **General:** when pumping hazardous chemicals it is recommended that a suitable drip-tray is provided.

DIMENSIONAL DRAWING



Dimensions in inches and millimetres

ITT JABSCO LIMITED

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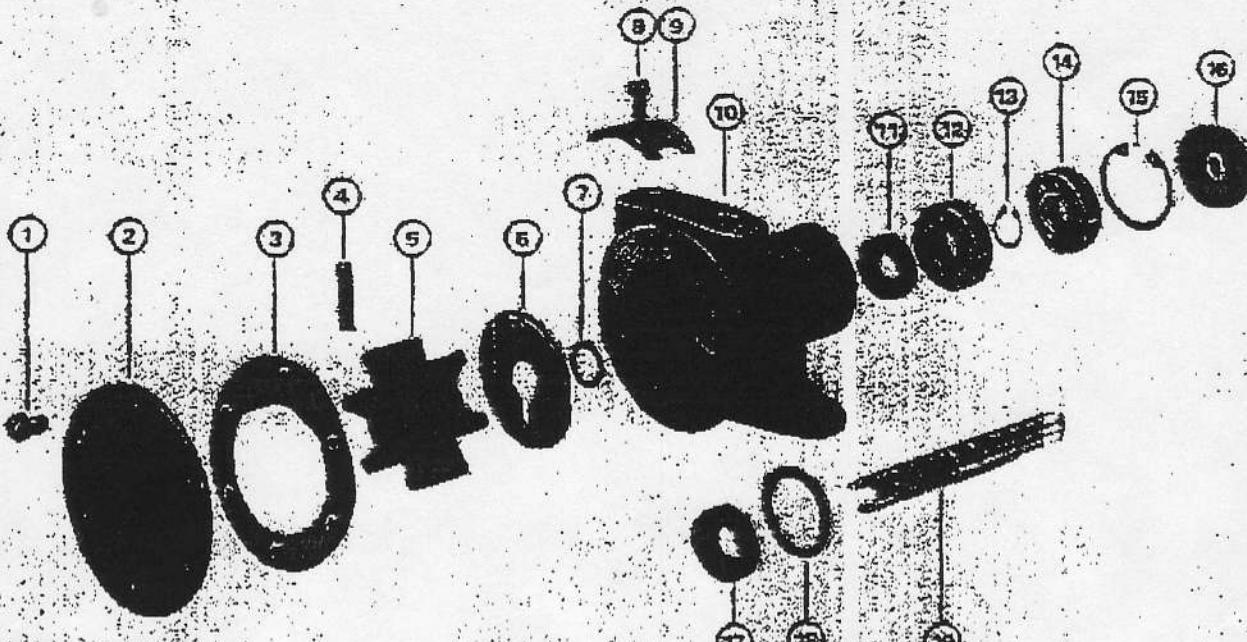
TELEGRAMS: JABSCO, HODDESDON TELEX: 263251

Designers, Manufacturers and Suppliers of JABSCO : PUREFLO : PAR : RAYLINE : BRYDON

JABSCO PUMPS

ITT

EXPLODED VIEW



Insist on genuine Jabsco parts,
made only by the original and world's leading manufacturer of self-priming flexible neoprene impeller pumps.

PARTS LIST

Key	Description	Gly	Part No.
1	End Cover Screw	8	SP1002-01
2	End Cover Blank	1	9586
3	Gasket	1	1189
4	Impeller Screw	1	SP1009-05
5	Impeller	1	4528-C091
6	Wearplate	1	2765
7	'O' Ring	1	SP2000-25
8	Cam Screw	1	SP1002-03
9	Cam	1	2763
10	Body	1	22944-2000
11	Seal	1	SP2700-11
12	Ball Bearing	1	YS052-43
13	Retaining Ring	1	SP1700-251
14	Ball Bearing	1	YS052-43
15	Retaining Ring	1	X3086-026A
16	Seal	1	Y5016-09
17	Seal	1	SP2700-11
18	'O' Ring	1	SP2000-5a
19	Shaft	1	22947-000

SERVICE KIT

Pump model number	Service kit number
22940-2001	SK23

Service Kit includes:
Impeller, End Cover Screws
Gasket, 'O' Ring, Seal