# www.PumpAgents.com - Click here for Pricing/Ordering for Pumps and Parts MODEL 12290-SERIES

## a **xylem** brand

## **SELF-PRIMING PUMPS**

#### **FEATURES**

**Body:** Phenolic Plastic

**Impeller:** Neoprene, Nitrile or Viton\*

**Seal:** Lip Type

Ports: 5/8" OD for Hose Connections

Shaft: Shaft of Motor (Stainless Steel)

Motor: 115 Vac, 1/6 hp, 1750 RPM, 60 H

115 Vac, 1/6 hp, 1750 RPM, 60 Hz, relay start and thermal over-load pro-

tector, Three-prong ground plug

Weight: 12 lb (5.4 kg) approx.

MODEL DESCRIPTION
12290-0001 Neoprene Impeller;

Open Drip Proof Motor

**12290-0003** Nitrile Impeller;

Open Drip Proof Motor

**12290-0004** Viton Impeller and Seal;

Open Drip Proof Motor

**12290-0271** Neoprene Impeller;

Totally Enclosed Motor

**12290-0273** Nitrile Impeller; Totally Enclosed Motor

**12290-0274** Viton Impeller and Seal;

**Totally Enclosed Motor** 

#### **APPLICATIONS**

Designed as a low cost pump for: transfers, circulation, spill returns, filtration and filling line use. Easily handles pure solutions, foaming liquids, emulsions, suspended solids and ferments with viscosities less than 500 SSU (120 cp). 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.

See the Jabsco Chemical Resistance Table in the Industrial Catalog, available upon request from Jabsco, which has been prepared to help you select the most suitable impeller and pump material.

### **OPERATING INSTRUCTION**

1. INSTALLATION - Pump may be mounted in any



Model 12290-Series



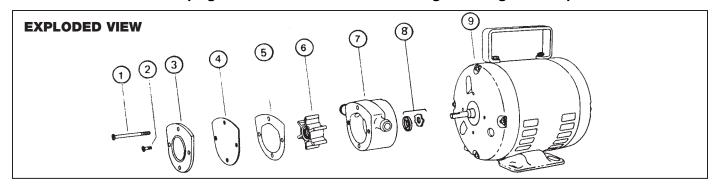
Explosion hazard. Motor can spark. Explosion & death can occur. Do not use where flammable vapors are present.

position. Intake port is on right when viewing pump end cover.

- SELF-PRIMING Vertical dry suction lift of up to 10 feet (3 m) for neoprene; 5 feet (1.5 m) for nitrile and viton. Pump will produce suction lift up to 15 feet (4.5 m) when wetted. BE SURE SUCTION LINES ARE AIRTIGHT OR PUMP WILL NOT SELF-PRIME.
- 3. DISCHARGE LINE When transferring liquids further than 25 feet (7.6 m), use 3/4 inch (17.5 mm) 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 other pump components.
- NOTICE When corrosive fluids are handled, pump life will be prolonged if pump is flushed with water after each use or after each work day. For further information, contact factory.
- 6. PRESSURES For continuous operation, pressure should not exceed 15 psi (1.05 kg/cm).
- 7. TEMPERATURES Impellers are suitable for service as follows: Neoprene impeller 45° to 180°F (4.4° to 82.2°C), Nitrile impeller 50° to 180°F (10° to 82.2°C) and Viton impeller 60° to 180° F (15.6° to 82.2°C).
- \* Viton is a registered trademark of E.I. Du Pont de Nemours and Company.

## Jabsco Pumps 12290-0271

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

## **SERVICE INSTRUCTIONS**

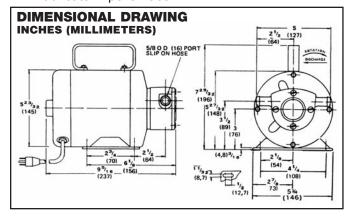
#### DISASSEMBLY

- 1. Remove end cover screws, end cover, wearplate and gasket.
- 2. Remove impeller.
- 3. Remove body
- 4. Pry seal retainer from seal cavity and press seal out of cavity from impeller bore side.

NOTE: Inspect all parts for wear or damage and replace if necessary.

#### **ASSEMBLY**

- Press seal into seal cavity with lip towards impeller bore until it bottoms firmly against shoulder. Center seal retainer (concave side up) in seal cavity and press it firmly against seal using 11/16" diameter. dowel or 3/8" steel pipe.
- 2. Install body on motor shaft loosely.
- 3. Install impeller in lubricated impeller bore.
- 4. Lubricate impeller face.



#### **PARTS LIST**

KEY         DESCRIPTION         NUMBER         QTY.           1         Screw (Body to Motor)         91014-0010         2           2         Screw (end Cover)         91014-0020         2           3         End Cover         12555-0000         1           4         Wearplate         12557-0000         1           5         Gasket*         12558-0000         1           6         Impeller*         Neoprene         7273-0001           Nitrile         7273-0003		PART		
2 Screw (end Cover) 91014-0020 2 3 End Cover 12555-0000 1 4 Wearplate 12557-0000 1 5 Gasket* 12558-0000 1 6 Impeller* Neoprene 7273-0001 Nitrile 7273-0003	QTY.	NUMBER	DESCRIPTION	KEY
3 End Cover 12555-0000 1 4 Wearplate 12557-0000 1 5 Gasket* 12558-0000 1 6 Impeller*     Neoprene 7273-0001     Nitrile 7273-0003	2	91014-0010	Screw (Body to Motor)	1
4 Wearplate 12557-0000 1 5 Gasket* 12558-0000 1 6 Impeller*     Neoprene 7273-0001     Nitrile 7273-0003	2	91014-0020	Screw (end Cover)	2
5 Gasket* 12558-0000 1 6 Impeller* 7273-0001 Nitrile 7273-0003	1	12555-0000	End Cover	3
6 Impeller*	1	12557-0000	Wearplate	4
Neoprene         7273-0001           Nitrile         7273-0003	1	12558-0000	Gasket*	5
Nitrile 7273-0003			Impeller*	6
		7273-0001	Neoprene	
		7273-0003	Nitrile	
Viton 7273-0004		7273-0004	Viton	
7 Body 12554-0000 1	1	12554-0000	Body	7
8 Seal* 1	1		Seal*	8
Standard 1040-0000		1040-0000	Standard	
Viton 1040-0001		1040-0001	Viton	
9 Motor 1	1		Motor	9
Open Drip Proof 18740-0000		18740-0000	Open Drip Proof	
Totally Enclosed 18742-0000		18742-0000	Totally Enclosed	
Replacement Pump Head			Replacement Pump Head	
w/Neoprene Impeller 12590-0011		12590-0011	w/Neoprene Impeller	
w/Nitrile Impeller 12590-0003		12590-0003	w/Nitrile Impeller	
w/Viton Impeller 12590-0021		12590-0021	w/Viton Impeller	
Service Kit			Service Kit	
w/Neoprene Impeller 90126-0002		90126-0002	w/Neoprene Impeller	
w/Nitrile Impeller 90126-0013		90126-0013	w/Nitrile Impeller	
w/Viton Impeller 90126-0004		90126-0004	w/Viton Impeller	

Parts supplied in Service Kit.

## CAPACITY CHART @ 1750 RPM

Total Head				Flov	v
psi	kg/cm <sup>2</sup>	feet meters of water		GPM	l/min
4.3 8.7	0.30 0.61	10 20	3.0 6.1	5.8 5.0	22 18.9

Table shows approximate Head-Flow for new pump in U.S. Gallons (and liters) with Neoprene Impeller. Capacities

THE PRODUCTS DESCRIBED HEREIN ARE SUBJECT TO THE JABSCO ONE YEAR LIMITED WARRANTY, WHICH IS AVAILABLE FOR YOUR INSPECTION UPON REQUEST.

## www.xylemflowcontrol.com

Jabsco, 100 Cummings Center, Ste. 535-N, Beverly, MA 01915 Tel: +1 978 281 0440 Fax: +1 978 283 2619 Jabsco, Bingley Road, Hoddesdon, Hertfordshire, EN11 0BU Tel: +44 (0) 1992 450 145 Fax: +44 (0) 1992 467 132

**NHK Jabsco Co Ltd,** 3-21-10, Shin - Yokohama Kohoku-ku, Yokohama 222 Tel: +81 (0) 45 475 8906 Fax: +81 (0) 45 475 8908

**Jabsco GmbH,** Oststraße 28, 22844 Norderstedt Tel: +49 (0) 40 53 53 73 0 Fax: +49 (0) 49 53 53 73 11

**Jabsco Italia,** s.r.l., Via Tommaseo, 6, 20059 Vimercate, Milano Tel: +39 039 685 2323 Fax: +39 039 666 307











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