

From the inventors of the self-priming flexible impeller pump

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**Industrial Flexible Impeller Pumps**  
**Hygienic Flexible Impeller Pumps**  
**Flexible Impeller Pump Accessories**

**These pumps offer unique capabilities which are either not available or costly to acquire with other pumps.**

#### **Capabilities Include:**

- **Immediate self priming**
- **Handling a wide viscosity range**
- **Operating equally well at low and high speeds**
- **Capable of transferring abrasive laden or air entrained liquids**
- **Able to transfer fluids with solids**
- **Compact size**
- **Pumps in either direction and can be mounted in any orientation**
- **Can drain even the last few ounces of liquid from a container**



# Industrial Flexible Impeller Pumps

## Stainless Steel Pedestal Pumps

### APPLICATIONS

Ideal high quality pumps for processing plants, laboratories, or tank sampling. Transfer and circulate corrosive liquids. Used for filter feed pumps, processing medicines and lotions; industrial process makeup or additive pumps; circulating photo processing chemicals; food and beverage applications for brines, vinegar, spirits and syrups. Transfer viscous liquids at low RPM. Agricultural uses include transfer and application of fertilizers (phosphoric acid).

Emptying or filling carboys, vats, tanks, barrels or entire systems, photographic or printing systems, and descaling or line cleaners.

### TECHNICAL DATA

PUMP MODEL NO.	30510-0001	30520-0001
FLOW (1750 RPM, 10 psi)	10 GPM	20 GPM
PORT SIZE	3/4" NPT Internal	1" NPT Internal
IMPELLER	Neoprene - SP	Neoprene - SP
SHAFT SEAL	Mechanical - C/C	Mechanical - C/C
SHAFT MATERIAL	316 Stainless Steel	316 Stainless Steel
SIZE (Height x Width x Length)	4 1/2" x 4 1/2" x 7 3/4"	5" x 5" x 9 1/2"
WEIGHT (Approx.)	5.5 lbs.	8.5 lbs.

#### Variations Available

Model 30510-0003 SP  
Nitrile Impeller, C/C Seal  
Model 30510-0004 SP  
Viton Impeller, C/C Seal  
Model 30510-0011 HP  
Neoprene Impeller, C/C Seal  
Model 30510-0013 HP  
Nitrile Impeller, C/C Seal  
Model 30510-0014 HP  
Viton Impeller, C/C Seal  
Model 30510-0101 SP  
Neoprene Impeller, TC/C Seal  
Model 30510-0103 SP  
Nitrile Impeller, TC/C Seal  
Model 30510-0104 SP  
Viton Impeller, TC/C Seal  
Model 30510-0111 HP  
Neoprene Impeller, TC/C Seal  
Model 30510-0113 HP  
Nitrile Impeller, TC/C Seal  
Model 30510-0114 HP  
Viton Impeller, TC/C Seal

#### Variations Available

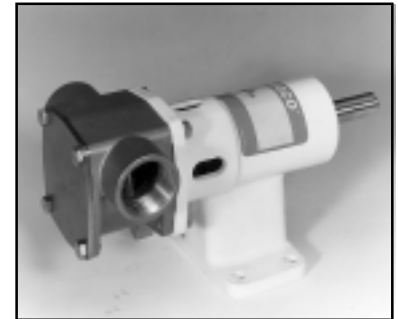
Model 30520-0003 SP  
Nitrile Impeller, C/C Seal  
Model 30520-0004 SP  
Viton Impeller, C/C Seal  
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Model 30520-0013 HP  
Nitrile Impeller, C/C Seal  
Model 30520-0014 HP  
Viton Impeller, C/C Seal  
Model 30520-0101 SP  
Neoprene Impeller, TC/C Seal  
Model 30520-0103 SP  
Nitrile Impeller, TC/C Seal  
Model 30520-0104 SP  
Viton Impeller, TC/C Seal  
Model 30520-0111 HP  
Neoprene Impeller, TC/C Seal  
Model 30520-0113 HP  
Nitrile Impeller, TC/C Seal  
Model 30520-0114 HP  
Viton Impeller, TC/C Seal

### FEATURES

Constructed of 316 Stainless Steel these pumps are available in pedestal, pump head or close coupled configurations. There are impeller variations of Neoprene, EPDM, Nitrile and Viton, in Standard (SP) and High Pressure (HP). Seal variations of Carbon/Ceramic (C/C) or Tungsten Carbide/Ceramic (TC/C) are available.

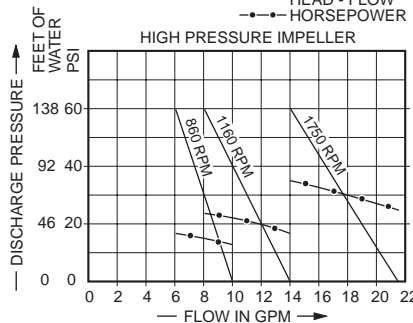
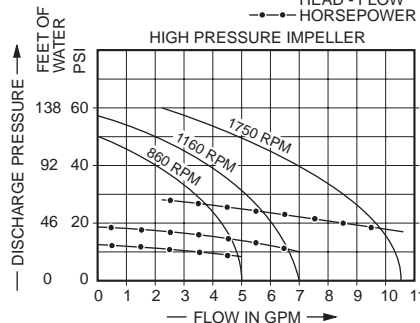
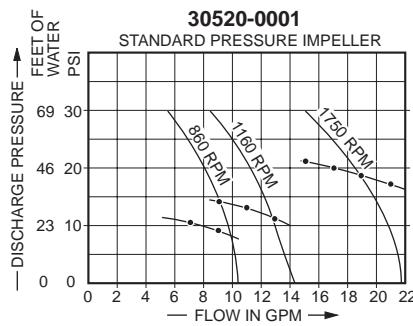
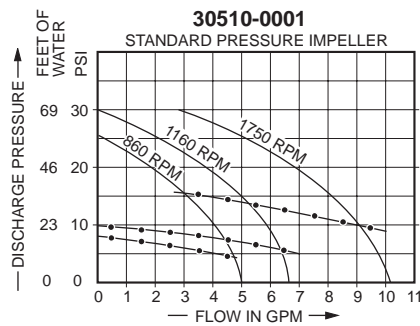


30510-0001



30520-0001

### Head vs. Flow Chart



Performance curves show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Nitrile or Viton Impeller, reduce flow by 10%. Consult individual data sheets for use at higher RPM. For Metric conversion of performance and dimensions, refer to Engineering Data. Use only capacitor-start motors with flexible impeller pumps.



# Industrial Flexible Impeller Pumps

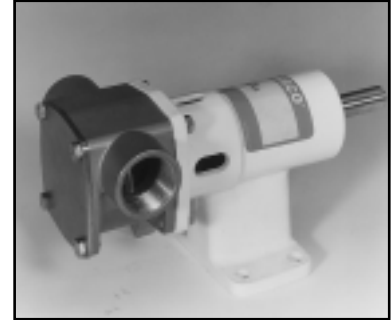
## Stainless Steel Pedestal Pumps

### TECHNICAL DATA

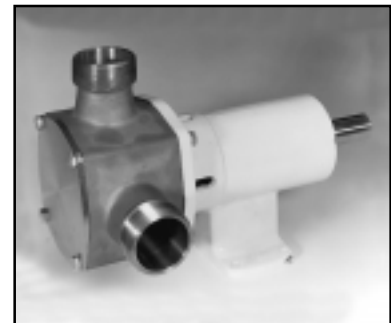
PUMP MODEL NO.	30530-0001	30540-0001
FLOW (1750 RPM, 10 psi)	50 GPM	100 GPM
PORT SIZE	1½" NPT Internal	2" NPT External
IMPELLER	Neoprene - SP	Neoprene - SP
SHAFT SEAL	Mechanical - C/C	Mechanical - C/C
SHAFT MATERIAL	316 Stainless Steel	316 Stainless Steel
SIZE (Height x Width x Length)	6" x 7" x 11¾"	9" x 8" x 14¼"
WEIGHT (Approx.)	21.0 lbs.	31.0 lbs.

**Variations Available**  
 Model 30530-0003 SP  
 Nitrile Impeller, C/C Seal  
 Model 30530-0004 SP  
 Viton Impeller, C/C Seal  
 Model 30530-0011 HP  
 Neoprene Impeller, C/C Seal  
 Model 30530-0013 HP  
 Nitrile Impeller, C/C Seal  
 Model 30530-0014 HP  
 Viton Impeller, C/C Seal  
 Model 30530-0101 SP  
 Neoprene Impeller, TC/C Seal  
 Model 30530-0103 SP  
 Nitrile Impeller, TC/C Seal  
 Model 30530-0104 SP  
 Viton Impeller, TC/C Seal  
 Model 30530-0111 HP  
 Neoprene Impeller, TC/C Seal  
 Model 30530-0113 HP  
 Nitrile Impeller, TC/C Seal  
 Model 30530-0114 SP  
 Viton Impeller, TC/C Seal

**Variations Available**  
 Model 30540-0003 SP  
 Nitrile Impeller, C/C Seal  
 Model 30540-0004 SP  
 Viton Impeller, C/C Seal  
 Model 30540-0011 HP  
 Neoprene Impeller, C/C Seal  
 Model 30540-0013 HP  
 Nitrile Impeller, C/C Seal  
 Model 30540-0101 SP  
 Neoprene Impeller, TC/C Seal  
 Model 30540-0103 SP  
 Nitrile Impeller, TC/C Seal  
 Model 30540-0104 SP  
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 Neoprene Impeller, TC/C Seal  
 Model 30540-0113 HP  
 Nitrile Impeller, TC/C Seal

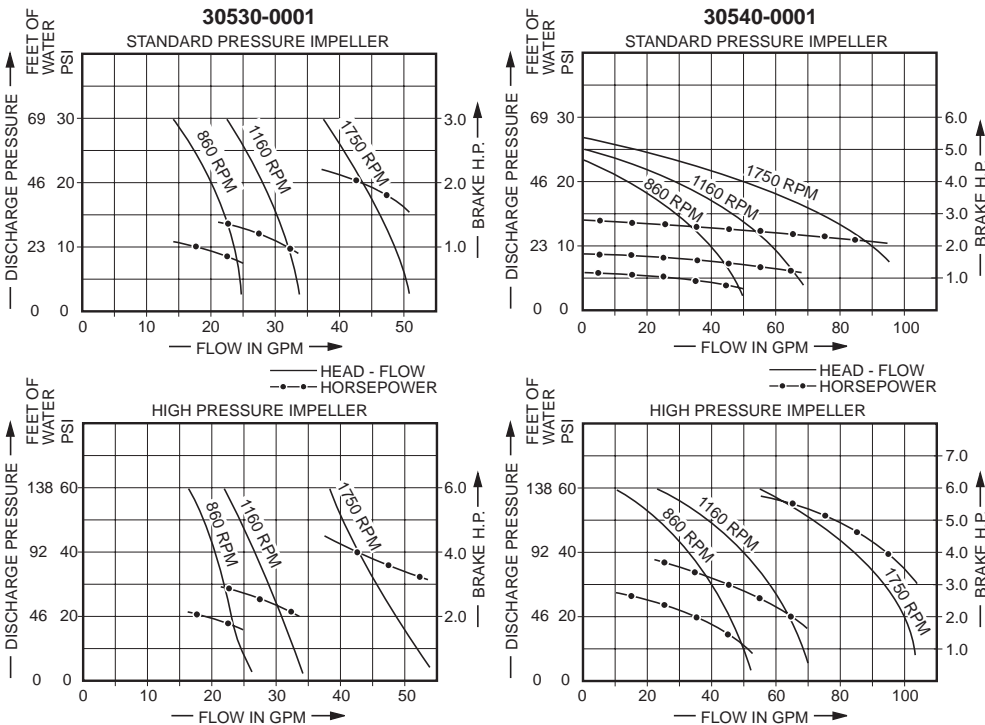


30530-0001



30540-0001

### Head vs. Flow Chart



Performance curves show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Nitrile or Viton Impeller, reduce flow by 10%. Consult individual data sheets for use at higher RPM. For Metric conversion of performance and dimensions, refer to Engineering Data. Use only capacitor-start motors with flexible impeller pumps.



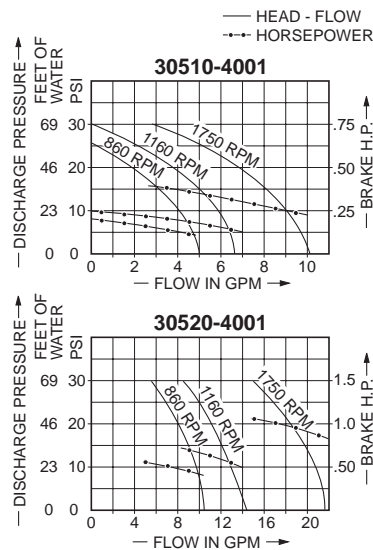
# Industrial Flexible Impeller Pumps

## Stainless Steel Close-Coupled Pumps

### TECHNICAL DATA

PUMP MODEL NO.	30510-4001	30520-4001
FLOW (1750 RPM, 10 psi)	10 GPM	20 GPM
PORT SIZE	3/4" NPT Internal	1" NPT Internal
VOLTAGE	115 Vac, 60Hz, 1 Ph, 1750 RPM	115/230 Vac, 60Hz, 1 Ph, 1750 RPM
IMPELLER	Neoprene	Neoprene
SHAFT SEAL	Mechanical - C/C	Mechanical - C/C
MOTOR TYPE	3/4 HP TEFC, 56 C frame	1 1/2 HP TEFC, 145 TC frame
SIZE (Height x Width x Length)	9 1/4" x 9" x 16"	9 1/4" x 9" x 17"
WEIGHT (Approx.)	36.0 lbs.	56.0 lbs.

#### Head vs. Flow Chart



#### Variations Available

- Model 30510-4003 Nitrile Impeller, C/C Seal
- Model 30510-4004 Viton Impeller, C/C Seal
- Model 30510-4101 Neoprene Impeller, TC/C Seal
- Model 30510-4103 Nitrile Impeller, TC/C Seal
- Model 30510-4104 Viton Impeller, TC/C Seal
- Model 30510-2001 Pump Head, Neoprene Impeller, C/C Seal
- Model 30510-2003 Pump Head, Nitrile Impeller, C/C Seal
- Model 30510-2004 Pump Head, Viton Impeller, C/C Seal
- Model 30510-2101 Pump Head, Neoprene Impeller, TC/C Seal
- Model 30510-2103 Pump Head, Nitrile Impeller, TC/C Seal
- Model 30510-2104 Pump Head, Viton Impeller, TC/C Seal

#### Variations Available

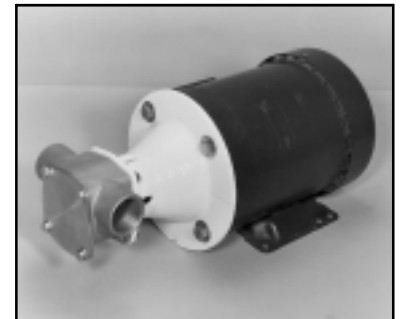
- Model 30520-4003 Nitrile Impeller, C/C Seal
- Model 30520-4004 Viton Impeller, C/C Seal
- Model 30520-4101 Neoprene Impeller, TC/C Seal
- Model 30520-4103 Nitrile Impeller, TC/C Seal
- Model 30520-4104 Viton Impeller, TC/C Seal
- Model 30520-2001 Pump Head, Neoprene Impeller, C/C Seal
- Model 30520-2003 Pump Head, Nitrile Impeller, C/C Seal
- Model 30520-2004 Pump Head, Viton Impeller, C/C Seal
- Model 30520-2101 Pump Head, Neoprene Impeller, TC/C Seal
- Model 30520-2103 Pump Head, Nitrile Impeller, TC/C Seal
- Model 30520-2104 Pump Head, Viton Impeller, TC/C Seal



30510-4001



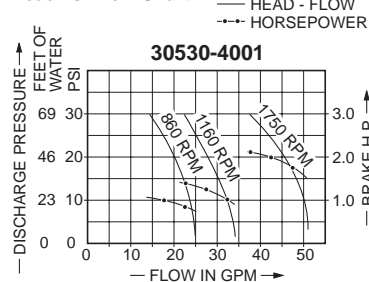
30520-4001



30530-4001

PUMP MODEL NO.	30530-4001
FLOW (1750 RPM, 10 psi)	50 GPM
PORT SIZE	1 1/2" NPT Internal
VOLTAGE	230/460 Vac, 60Hz, 3 Ph, 1750 RPM
IMPELLER	Neoprene
SHAFT SEAL	Mechanical - C/C
MOTOR TYPE	5 HP TEFC, 184 TC frame
SIZE (Height x Width x Length)	9 1/4" x 10 1/2" x 23 3/8"
WEIGHT (Approx.)	93.5 lbs.

#### Head vs. Flow Chart



#### Variations Available

- Model 30530-4003 Nitrile Impeller, C/C Seal
- Model 30530-4004 Viton Impeller, C/C Seal
- Model 30530-4101 Neoprene Impeller, TC/C Seal
- Model 30530-4103 Nitrile Impeller, TC/C Seal
- Model 30530-4104 Viton Impeller, TC/C Seal
- Model 30530-2001 Pump Head, Neoprene Impeller, C/C Seal
- Model 30530-2003 Pump Head, Nitrile Impeller, C/C Seal
- Model 30530-2004 Pump Head, Viton Impeller, C/C Seal
- Model 30530-2101 Pump Head, Neoprene Impeller, TC/C Seal
- Model 30530-2103 Pump Head, Nitrile Impeller, TC/C Seal
- Model 30530-2104 Pump Head, Viton Impeller, TC/C Seal

Performance curves show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Nitrile or Viton Impellers, reduce flow by 10%. For Metric conversion of flows and dimensions refer to Engineering Data. Use only capacitor-start motors with flexible impeller pumps.



**Explosion hazard. Pumps with AC motors can spark. Do not use where flammable vapors are present. Failure to follow warning can result in property damage, personal injury or death.**

## EPDM Impellers

**This new impeller compound allows the extension of flexible impeller pump applications to 185° F.**

Designed with a double flat drive to fit the industrial stainless steel, epoxy and hygienic pumps. Available in four sizes and in standard (SP) and high pressure (HP) ratings. Refer to the Flexible Impeller Reference Guide for more information.



## Impeller Pullers

**These tools provide an easy way of removing flexible impellers from a pump's impeller bore.**

Simply tighten the tool's grip fingers into the rubber hub of the impeller and turn the extraction screw clockwise to pull the impeller out of the pump.

The small puller is suitable for impellers with overall diameters from 2-1/4" to 2-9/16" (silhouettes K, L, M, W, X and Y). The large puller is suitable for impellers with overall diameters from 3-1/16" to 5" (silhouettes O, Q, R, U and Z).

Small Puller – **50070-0040**

Large Puller – **50070-0200**

