

From the inventors of the self-priming flexible impeller pump

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**



Hygienic Flexible Impeller Pumps

Stainless Steel Pedestal Pumps

APPLICATIONS

Hygienic flexible impeller pumps are especially useful where self-priming is required and are also very effective in pumping viscous or air-entrained food, cosmetic and pharmaceutical products. At lower speeds, they also handle delicate liquids very well owing to their gentle pumping action. Virtually any liquid with viscosity up to 20,000 cps can be pumped as long as there is chemical compatibility with the pump materials.

TECHNICAL DATA

PUMP MODEL NUMBER	30550-0005	30560-0005
FLOW (1750 RPM, 10 Ft. Head)	10 GPM	20 GPM
PORT SIZE	1"	1"
PORT TYPE	ACME Threaded	ACME Threaded
IMPELLER	Neoprene	Neoprene
SEAL SHAFT	Mechanical - C/C	Mechanical - C/C
BODY AND SHAFT MATERIAL	316 Stainless Steel	316 Stainless Steel
SIZE (Height x Width x Length)	5 ³ / ₄ " x 4 ¹ / ₄ " x 7 ¹ / ₂ "	6 ¹ / ₄ " x 4 ³ / ₄ " x 9 ¹ / ₄ "
WEIGHT (Approx.)	5.5 lbs.	8.5 lbs.
	Variations Available	Variations Available
	30550-0015 HP Neoprene Impeller, C/C Seal, ACME Ports	30560-0015 HP Neoprene Impeller, C/C Seal, ACME Ports
	30550-0105 SP Neoprene Impeller, TC/C Seal, ACME Ports	30560-0105 SP Neoprene Impeller, TC/C Seal, ACME Ports
	30550-0115 HP Neoprene Impeller, TC/C Seal, ACME Ports	30560-0115 HP Neoprene Impeller, TC/C Seal, ACME Ports
	30550-1005 SP Neoprene Impeller, C/C Seal, Clamp Ports	30560-1005 SP Neoprene Impeller, C/C Seal, Clamp Ports
	30550-1015 HP Neoprene Impeller, C/C Seal, Clamp Ports	30560-1015 HP Neoprene Impeller, C/C Seal, Clamp Ports
	30550-1105 SP Neoprene Impeller, TC/C Seal, Clamp Ports	30560-1105 SP Neoprene Impeller, TC/C Seal, Clamp Ports
	30550-1115 HP Neoprene Impeller, TC/C Seal, Clamp Ports	30560-1115 HP Neoprene Impeller, TC/C Seal, Clamp Ports

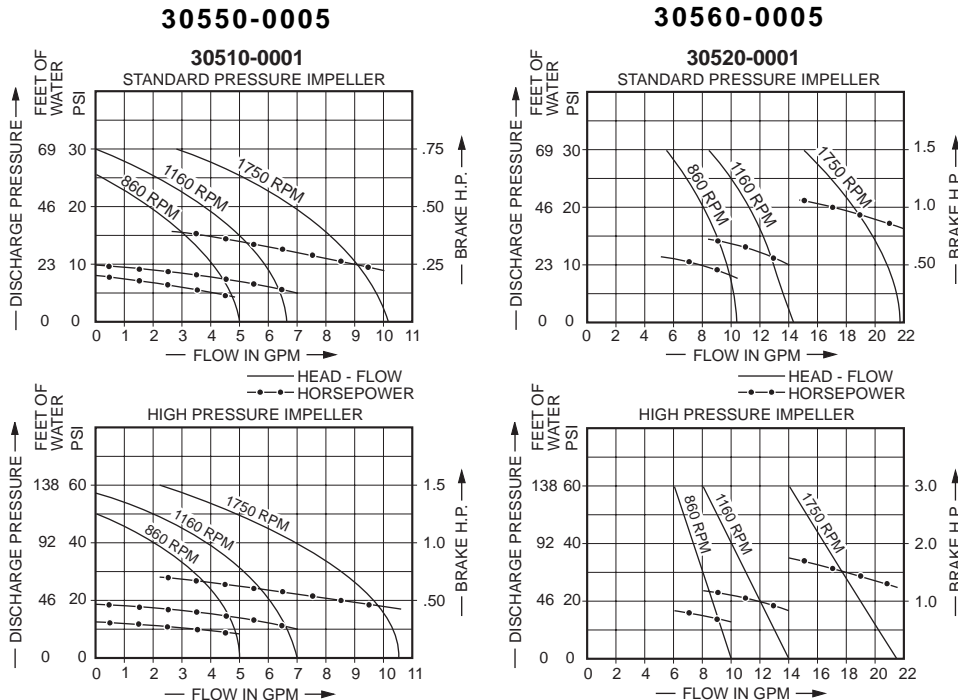
FEATURES

Hygienic flexible impeller pumps have the design features and materials suitable for pumping food products, cosmetics and pharmaceuticals.

Examples include:

- Gentle, low-shear action for delicate products.
- Type 316 stainless steel body, cover and shaft.
- All materials per FDA standards.
- 3A and USDA listed.
- Sanitary design external shaft mechanical seal.
- Either sanitary clamp or ACME bevel seat ports.
- Body may be rotated 360° to facilitate piping.
- Sanitary neoprene impellers in Standard Pressure (SP) and High Pressure (HP) are standard.
- Sanitary EPDM impellers in SP and HP for elevated temperature applications are available as options.

Head vs. Flow Chart



30550-0005



30560-0005

Performance curves show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Metric conversion of performance and dimensions, refer to Engineering Data. Use only capacitor-start motors with flexible impeller pumps.



Hygienic Flexible Impeller Pumps

Stainless Steel Pedestal Pumps

TECHNICAL DATA

PUMP MODEL NUMBER	30570-0005	30580-0005
FLOW (1750 RPM, 10 Ft. Head)	50 GPM	100 GPM
PORT SIZE	1 1/2"	2"
PORT TYPE	ACME Threaded	ACME Threaded
IMPELLER	Neoprene	Neoprene
SEAL SHAFT	Mechanical - C/C	Mechanical - C/C
BODY AND SHAFT MATERIAL	316 Stainless Steel	316 Stainless Steel
SIZE (Height x Width x Length)	7 1/2" x 6 1/4" x 11 3/4"	8 3/4" x 7 1/2" x 14 1/4"
WEIGHT (Approx.)	21.0 lbs.	31.0 lbs.
	Variations Available	Variations Available
	30570-0015 HP Neoprene Impeller, C/C Seal, ACME Ports	30580-0015 HP Neoprene Impeller, C/C Seal, ACME Ports
	30570-0105 SP Neoprene Impeller, TC/C Seal, ACME Ports	30580-0105 SP Neoprene Impeller, TC/C Seal, ACME Ports
	30570-0115 HP Neoprene Impeller, TC/C Seal, ACME Ports	30580-0115 HP Neoprene Impeller, TC/C Seal, ACME Ports
	30570-1005 SP Neoprene Impeller, C/C Seal, Clamp Ports	30580-1005 SP Neoprene Impeller, C/C Seal, Clamp Ports
	30570-1015 HP Neoprene Impeller, C/C Seal, Clamp Ports	30580-1015 HP Neoprene Impeller, C/C Seal, Clamp Ports
	30570-1105 SP Neoprene Impeller, TC/C Seal, Clamp Ports	30580-1105 SP Neoprene Impeller, TC/C Seal, Clamp Ports
	30570-1115 HP Neoprene Impeller, TC/C Seal, Clamp Ports	30580-1115 HP Neoprene Impeller, TC/C Seal, Clamp Ports

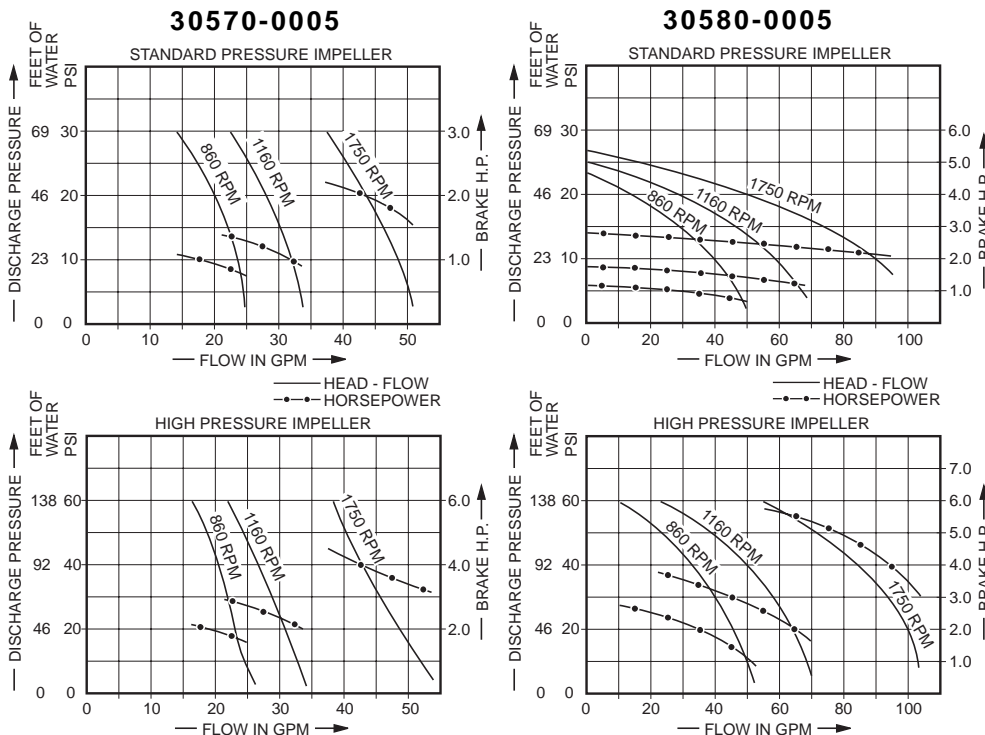


30570-0005



30580-0005

Head vs. Flow Chart



Performance curves show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Metric conversion of performance and dimensions, refer to Engineering Data. Use only capacitor-start motors with flexible impeller pumps.



Hygienic Flexible Impeller Pumps

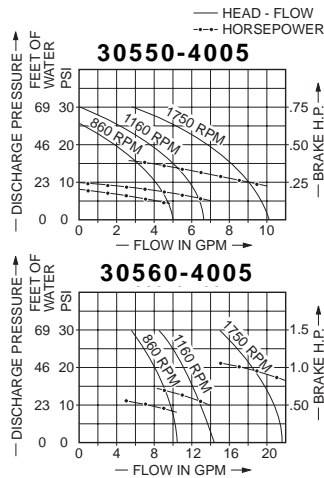
Stainless Steel Close-Coupled Pumps

TECHNICAL DATA

PUMP MODEL NUMBER	30550-4005	30560-4005
FLOW (1750 RPM, 10 Ft. Head)	10 GPM	20 GPM
PORT SIZE	1"	1"
PORT TYPE	ACME Threaded	ACME Threaded
IMPELLER	Neoprene	Neoprene
SEAL SHAFT	Mechanical - C/C	Mechanical - C/C
BODY AND SHAFT MATERIAL	316 Stainless Steel	316 Stainless Steel
VOLTAGE	115 VAC, 60 Hz, 1 Ph,	115/230 VAC, 60 Hz, 1 Ph,
RPM	1750 RPM	1750 RPM
MOTOR TYPE	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 1/2" x 9" x 18 3/4"
WEIGHT (Approx.)	36.0 lbs.	56.0 lbs.



30550-4005



Variations Available

- 30550-4105 SP Neoprene Impeller, TC/C Seal, ACME Ports
- 30550-5005 SP Neoprene Impeller, C/C Seal, Clamp Ports
- 30550-5105 SP Neoprene Impeller, TC/C Seal, Clamp Ports
- 30550-2005 Pump Head, SP Neoprene Impeller, C/C Seal, ACME Ports
- 30550-2105 Pump Head, SP Neoprene Impeller, TC/C Seal, ACME Ports
- 30550-3005 Pump Head, SP Neoprene Impeller, C/C Seal, Clamp Ports
- 30550-3105 Pump Head, SP Neoprene Impeller, TC/C Seal, Clamp Ports

Variations Available

- 30560-4105 SP Neoprene Impeller, TC/C Seal, ACME Ports
- 30560-5005 SP Neoprene Impeller, C/C Seal, Clamp Ports
- 30560-5105 SP Neoprene Impeller, TC/C Seal, Clamp Ports
- 30560-2005 Pump Head, SP Neoprene Impeller, C/C Seal, ACME Ports
- 30560-2105 Pump Head, SP Neoprene Impeller, TC/C Seal, ACME Ports
- 30560-3005 Pump Head, SP Neoprene Impeller, C/C Seal, Clamp Ports
- 30560-3105 Pump Head, SP Neoprene Impeller, TC/C Seal, Clamp Ports

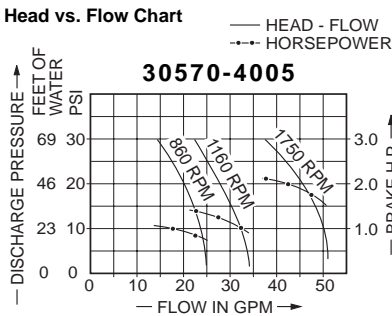


30560-4005

PUMP MODEL NUMBER	30570-4005
FLOW (1750 RPM, 10 Ft. Head)	50 GPM
PORT SIZE	1 1/2"
PORT TYPE	ACME Threaded
IMPELLER	Neoprene
SEAL SHAFT	Mechanical - C/C
BODY AND SHAFT MATERIAL	316 Stainless Steel
VOLTAGE	230 VAC, 60 Hz, 3 Ph, 1750 RPM
MOTOR TYPE	5 HP TEFC, 184 TC frame
SIZE (Height x Width x Length)	9" x 10 1/2" x 21 3/4"
WEIGHT (Approx.)	93.5 lbs.



30570-4005



Variations Available

- 30570-4105 SP Neoprene Impeller, TC/C Seal, ACME Ports
- 30570-5005 SP Neoprene Impeller, C/C Seal, Clamp Ports
- 30570-5105 SP Neoprene Impeller, TC/C Seal, Clamp Ports
- 30570-2005 Pump Head, SP Neoprene Impeller, C/C Seal, ACME Ports
- 30570-2105 Pump Head, SP Neoprene Impeller, TC/C Seal, ACME Ports
- 30570-3005 Pump Head, SP Neoprene Impeller, C/C Seal, Clamp Ports
- 30570-3105 Pump Head, SP Neoprene Impeller, TC/C Seal, Clamp Ports

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



Hygienic Flexible Impeller Pumps

Stainless Steel Bulkhead Mounted Pumps

APPLICATIONS

These units are specially designed for use as product pick-up pumps mounted on over the road fluid transports. Offered in three sizes, this pump range provides an effective pump for the smaller truck mounted 2200 U. S. gallon tanks as well as a pump for the largest 6000 U.S. gallon trailer mounted tank. Although designed to conform to the 3A equipment standard for use in transferring milk, these pumps can handle a wide range of fluids.

FEATURES

Excellent self-priming, faster loading, more accurate metering, smooth, steady flow, long reliable life, easy servicing and hygienic design are features which make this pump excellent for transport service.

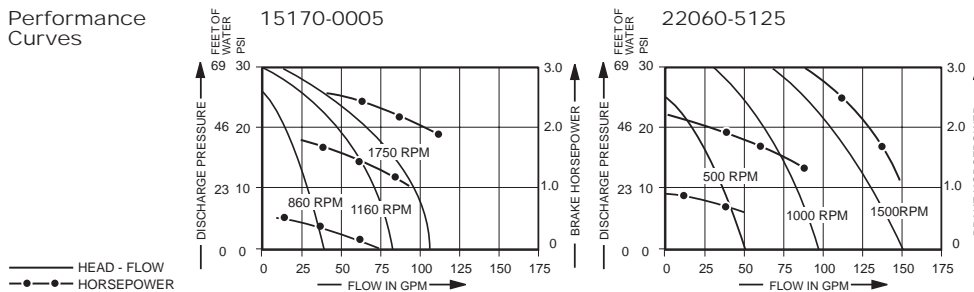
TECHNICAL DATA

PUMP MODEL NUMBER	1517 005	22060-5125
FLOW (1750 RPM, 10 Ft. Head)	90 GPM	130 GPM
PORT SIZE	2"	2 1/2"
PORT TYPE	ACME Threaded Ports	ACME Threaded Ports
IMPELLER	Neoprene	Neoprene
SHAFT SEAL	Mechanical - C/C	Mechanical - C/C
SHAFT MATERIAL	316 Stainless Steel	316 Stainless Steel
SIZE (Height x Width x Length)	9 1/4 x 9 1/4" x 16 3/4"	5" x 5" x 17"
WEIGHT (Approx.)	34 lbs.	50 lbs.



15170-0005

Performance Curves

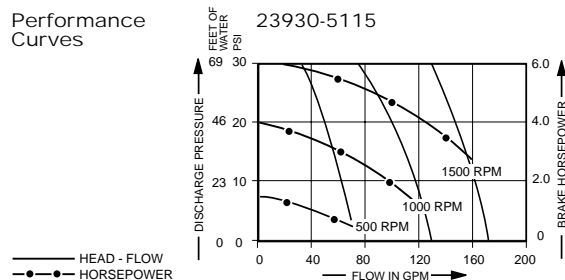


22060-5125

PUMP MODEL NUMBER	23930-5115
FLOW (1750 RPM, 10 Ft. Head)	185 GPM
PORT SIZE	2 1/2"
PORT TYPE	ACME Threaded Ports
IMPELLER	Neoprene
SHAFT SEAL	Mechanical - C/C
SHAFT MATERIAL	316 Stainless Steel
SIZE (Height x Width x Length)	5" x 5" x 18 1/2"
WEIGHT (Approx.)	53 lbs.



23930-5115



Performance curves show approximate flow in U.S. Gallons Per Minute for a new pump with a Neoprene Impeller. For Metric conversion of performance and dimensions, refer to Engineering Data. Use only capacitor-start motors with flexible impeller pumps.

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**

