

04 Flexible Impeller Pumps

INTRODUCTION



Introduction

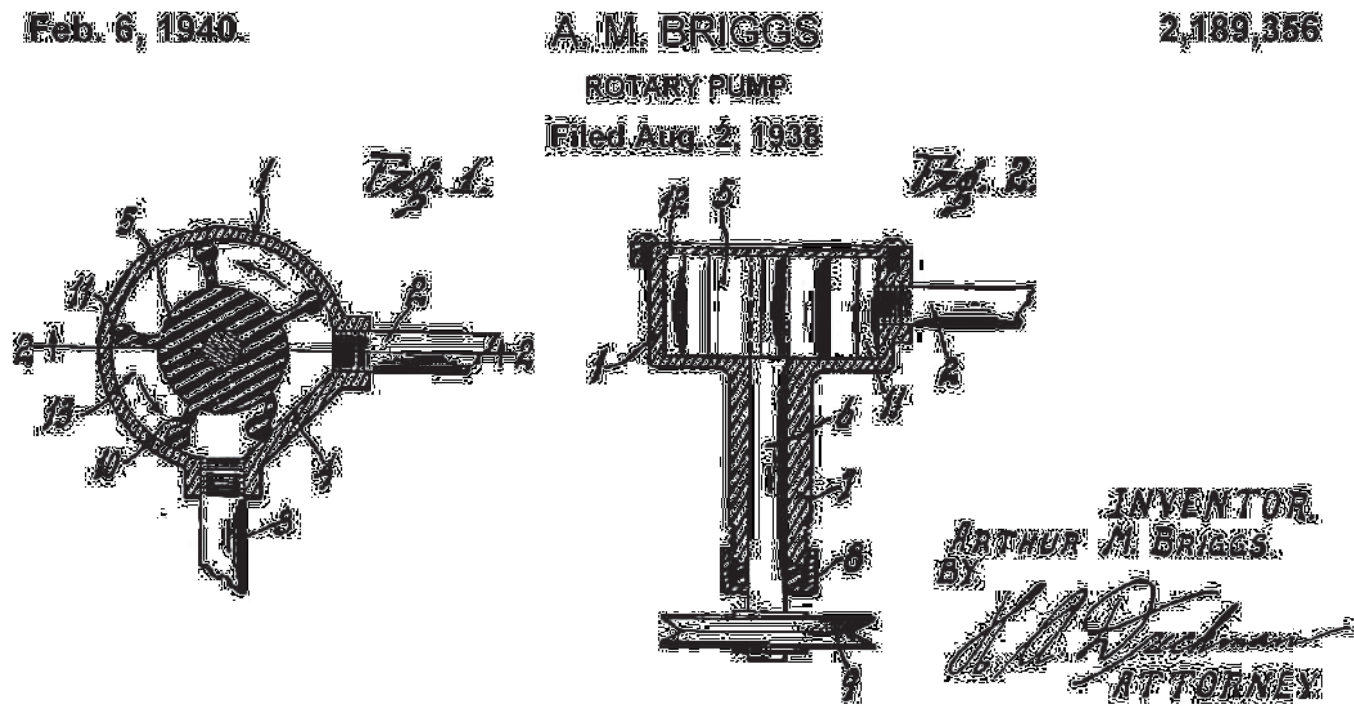
There are probably few parts of the world where the Xylem Jabsco family of products is not in use or where our brands are not known. The reason is simple: "Make good fit-for-purpose products and you will get a good name."

This catalog is designed to help you understand the basics of a flexible impeller pump (FIP) and supply you with a quick reference guide, enabling you to choose the correct pump for the application.

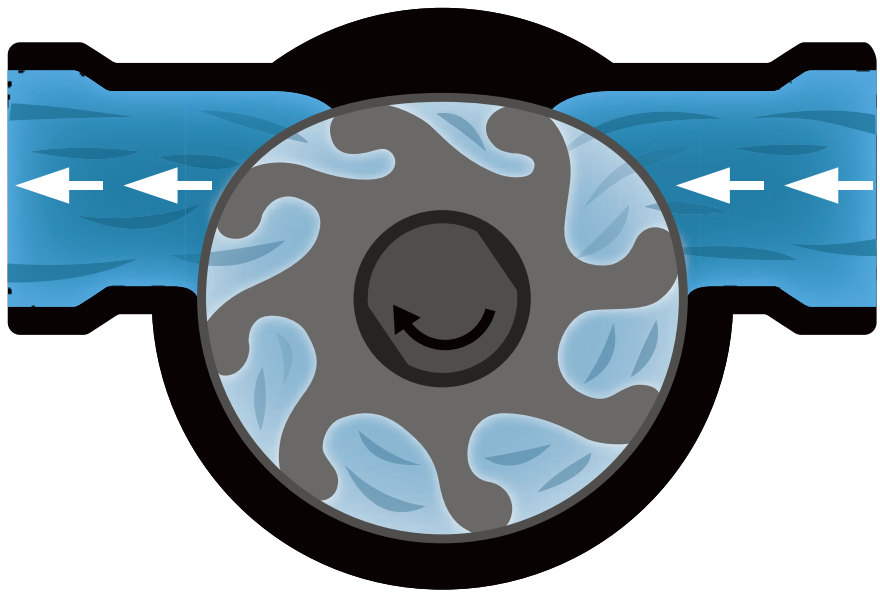
JACK ART BRIGGS STREETER COMPANY

- To come up with the name Jabsco, these inventors used the first letter from each of their names and added the "co", to be Jabsco. Jabsco pump company formed in Burbank, California.
- First pump designed in 1938.
- The patent for the flexible impeller was issued in 1938.
- Designed in response to a specific customer requirement for condensate removal from air conditioning systems.
- The FIP principle has been applied to a diverse range of applications such as engine cooling systems, bulk milk transfer, food processing and industrial applications.

THE HISTORY. THE ORIGINAL.



Flexible Impeller Product Range



HOW A FLEXIBLE IMPELLER WORKS

- As the impeller rotates, the impeller blades leaving the cam straighten, causing the cell volume to increase. This causes a partial vacuum which allows atmospheric pressure to push the liquid into the pump.
- The blades form an almost perfect seal, which also allows the impeller to "pump" air.
- The impeller continues to rotate, transferring the fluid in the cells that now have constant volume.
- Now the vanes reach the other side of the cam, and the cell volume decreases which forces the fluid out through the discharge port.
- This happens thousands of times per minute, producing a continuous, even flow.

FEATURES

- Self-priming: will lift fluid up to 22' (6.7m) when wet
- Will not air lock: pump will continue to operate even when air passes through the system
- Viscous liquids handling: will easily pump thin or thick liquids
- Pulsation-free flow: delivers a smooth, even flow
- Non-shear action: will handle delicate fluids
- Hard solid handling: passes hard solids or abrasives with minimal wear or damage
- Few moving parts: easy to maintain, so less downtime
- Compact: will provide high flows from a small-size pump
- Competitive: lower-cost installation and less maintenance than other competing pump types

SPECIFICATIONS

PUMP DESIGN	Pedestal, close-coupled, pump head kits
VOLTAGE	50/60Hz - 12V, 24V DC and 115V, 230V AC
MAX FLOW RATE	185 GPM (700 LPM)
MAX PRESSURE	60 psi (4.1 bar)
PORTS	Hose fitting, internal-external NPT/BSP, clamp, ACME
BODY	Epoxy, phenolic, bronze, stainless steel
SEAL	Buna, nitrile, FKM lip seals, mechanical carbon-on-ceramic, tungsten carbide
VISCOSITY	1-50,000 centiPoise (Cp)
IMPELLER	Neoprene, 3A neoprene, nitrile, 3A nitrile, FKM, 3A EPDM
IMPELLER RATINGS	Standard, medium, high pressure



GAS WARNING

No pump manufactured by Xylem should be used for gasoline or any fluid with a flash point below 100°F (38°C).

04 Flexible Impeller Pumps

EPOXY / PHENOLIC PLASTIC



12310 Series Phenolic Plastic Flex Pump



Use where corrosion-resistant plastic material, self-priming, flow and debris tolerance are desired. Use neoprene for water and general-purpose pumping. A nitrile impeller is ideal for oil-based products. Use FKM for hydrocarbons and solvents. Motor is not explosion-proof. Do not run dry.



SPECIFICATIONS

VOLTAGE	60Hz - 115V AC, single phase, non-CE
MAX FLOW RATE	4 GPM (15.1 LPM)
MAX PRESSURE	17 psi (1.2 bar), 39' (11.9m) of water
SELF-PRIMING	5-7' (1.5-2.1m) dry, 10-14' (3-4.3m) wet
PORTS	3/8" (10mm) NPTF, 3/4" (19mm) male garden hose thread
MOTOR	PMDC rectified, intermittent duty
BODY	Phenolic
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel
SEAL	Buna lip type
IMPELLER	Neoprene, nitrile
DIMENSIONS	3-7/16" high x 5" long x 7" wide (87mm x 126mm x 177mm)
WEIGHT	5.8lb (2.6kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
12310-0001	No	115V AC	Neoprene	MPU
12310-0003	No	115V AC	Nitrile	MPU

3010 Series Epoxy Pedestal Pump



SPECIFICATIONS

MAX FLOW RATE	5 GPM (19 LPM)
PORTS	0.6" (16mm) OD for hose connections
BODY	Phenolic
SHAFT	Stainless steel
SEAL	Lip seal
BEARINGS	PFTE/graphite
BRACKET	Plated steel
IMPELLER	Neoprene, nitrile, FKM
WEIGHT	0.6lb (0.25kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
3010-1011	Yes	N/A	Neoprene	Pedestal

12560 Series Phenolic Plastic Flex Pump



FOR US MARKETS
Use where corrosion-resistant plastic material, self-priming, flow and debris tolerance are desired. Use neoprene for water and general-purpose pumping. A nitrile impeller is ideal for oil-based products. Use FKM for hydrocarbons and solvents. Motor is not explosion-proof. Do not run dry.



SPECIFICATIONS

VOLTAGE	12V DC, CE approved
MAX FLOW RATE	4.6 GPM (17.4 LPM)
MAX PRESSURE	8.7 psi (20.1 bar), 20' of water
SELF-PRIMING	1-2' (0.3-0.6m) dry, 2-4' (0.6-1.2m) wet
PORTS	5/8" (16mm) hose barb
MOTOR	PMDC, TENV, thermal overload protected 7A nominal, 10A fuse
BODY	Phenolic
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 160°F (70°C) Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel
SEAL	Buna lip type
APPROVALS	Ignition protection
IMPELLER	Neoprene
DIMENSIONS	3-1/4" high x 5" long x 6-1/2" wide (82mm x 126mm x 164mm)
WEIGHT	4.5lb (2kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
12560-0001	Yes	12V DC	Neoprene	MPU

04 Flexible Impeller Pumps

EPOXY / PHENOLIC PLASTIC



12290 Series Phenolic Plastic Flex Pump



Use where corrosion-resistant phenolic or glass-filled epoxy material, self-priming and debris tolerance are desired. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general-purpose pumping. Use FKM for hydrocarbons and solvents. Long-lasting AC induction motor has no brushes to wear out. Motor is not explosion-proof. Do not run dry.



SPECIFICATIONS

VOLTAGE	60Hz - 115V AC, single phase, non-CE
MAX FLOW RATE	5.8 GPM (22 LPM)
MAX PRESSURE	17 psi (1.2 bar) 39' of water
SELF-PRIMING	Neoprene - 8-10' (2.4-3.1m) dry, 10-15' (3.1-4.6m) wet Nitrile/FKM - 3-5' (0.9-1.5m) dry, 8-10' (2.4-3.1m) wet
PORTS	5/8" (16mm) hose barb
MOTOR	1/6 HP ODP, 1/4 HP, TENV 6' (2m) power cord with 2-prong grounded plug Thermal overload protected 4.2A full load OD, 3.3A full load TENV
BODY	Phenolic
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (16°C) to 180°F (82°C)
SHAFT	Stainless steel
SEAL	Buna or FKM lip type
IMPELLER	Neoprene, nitrile, FKM
DIMENSIONS	8-3/8" high x 9.7" long x 14.3" wide (211mm x 245mm x 361mm)
WEIGHT	12lb (5.5kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
12290-0001	No	115V AC	Neoprene	MPU
12290-0003	No	115V AC	Nitrile	MPU
12290-0004	No	115V AC	FKM	MPU
12290-0271	No	115V AC	Neoprene	MPU
12290-0273	No	115V AC	Nitrile	MPU
12290-0274	No	115V AC	FKM	MPU

17430 Series Epoxy Utility Pump



Use where corrosion-resistant phenolic or glass-filled epoxy material, self-priming and debris tolerance are desired. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general-purpose pumping. Use FKM for hydrocarbons and solvents. Long-lasting AC induction motor has no brushes to wear out. Motor is not explosion-proof. Do not run dry.



SPECIFICATIONS

VOLTAGE	60Hz - 115V AC, single phase, non-CE
MAX FLOW RATE	11 GPM (42 LPM)
MAX PRESSURE	21 psi (1.5 bar) or 50' (15.2m) of head
SELF-PRIMING	12-15' (3.7-4.6m) dry, 18-22' (5.5-6.7m) wet
PORTS	1/2" (13mm) NPTF
MOTOR	1/2 HP TEFC, AC induction type 6' (1.8m) power cord with 3-prong grounded plug Thermal overload protected 8.8A full load
BODY	Epoxy
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (16°C) to 180°F (82°C)
SHAFT	Epoxy sleeve
SEAL	Mechanical carbon-on-ceramic
IMPELLER	Nitrile, FKM
DIMENSIONS	8-3/8" high x 9.7" long x 14.3" wide (211mm x 245mm x 361mm)
WEIGHT	33.5lb (15.2kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
17430-0003	No	115V AC	Nitrile	MPU

04 Flexible Impeller Pumps

EPOXY / PHENOLIC PLASTIC



28250 Series Pedestal Pump & 28260 Series Epoxy Head Kit Pump



FEATURES

- Self-primers from dry up to 16.4' (5m)
- Flows up to 18.5 GPM (70 LPM)
- Pressure up to 43.5 psi (3 bar)
- Handles hard or soft solids - 0.2" (5mm) maximum diameter
- High-chemical-resistance epoxy plastic
- Non-pulsating flow, proportional to speed
- Handles viscosities up to 10,000 cP
- No metal parts in liquid contact
- Fits IEC standard motor B3/B14, frame 80 (model 28260)

SPECIFICATIONS

MAX PRESSURE	Standard - 36 psi (2.5 bar) High - 43.5 psi (3 bar)
PORTS	3/4" BSP external thread to BS21 DIN2999
PUMP HEAD	Epoxy thermoset plastic
SHAFT	Epoxy-covered stainless steel, shaft extension
SEAL	Carbon/ceramic mechanical face seal Nitrile elastomer Optional tungsten carbide/ceramic hard-faced mechanical seal
BEARINGS	Model 28250 - twin single row, ball type with epoxy-coated, cast iron housing Model 28260 - uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Epoxy thermoset plastic
IMPELLER	Neoprene, EPDM, nitrile, FKM,
WEIGHT	3.7lb (1.7kg)

Pressures over 24.7 psi (1.7 bar) may reduce motor shaft lift.



28350 Series Pedestal Pump & 28360 Series Epoxy Head Kit Pump



FEATURES

- Self-primers from dry up to 16.4' (5m)
- Flows up to 42.3 GPM (160 LPM)
- Pressure up to 36.25 psi (2.5 bar)
- Handles hard or soft solids - 0.2" (5mm) maximum diameter
- Tolerates abrasive wear; replaceable wearplate
- Non-pulsating flow, proportional to speed
- Handles viscosities up to 4,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80 (model 28360)

SPECIFICATIONS

MAX PRESSURE	Standard - 36 psi (2.5 bar)
PORTS	1" (25mm) BSP external thread to BS21 DIN2999
PUMP HEAD	Epoxy
SHAFT	Model 28350 - epoxy-covered stainless steel Model 28360 - epoxy-coated stainless steel, shaft extension
SEAL	Carbon/ceramic mechanical face seal, nitrile elastomer
BEARINGS	Model 28350 - twin single row, ball type with epoxy-coated, cast iron housing Model 28360 - uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Epoxy
IMPELLER	Neoprene, EPDM, nitrile and FKM elastomers
WEIGHT	4.6lb (2.1kg)



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
28350-2101	Yes	N/A	Neoprene	Pedestal
28350-2103	Yes	N/A	Nitrile	Pedestal
28350-2104	Yes	N/A	FKM	Pedestal
28350-2123	Yes	N/A	Nitrile	Pedestal
28350-2124	Yes	N/A	FKM	Pedestal
28350-2125	Yes	N/A	Sanitary neoprene	Pedestal
28360-2101	Yes	N/A	Nitrile	Head kit
28360-2103	Yes	N/A	FKM	Head kit
28360-2104	Yes	N/A	FKM	Head kit
28360-2204	Yes	N/A	Nitrile	Head kit

04 Flexible Impeller Pumps

EPOXY / PHENOLIC PLASTIC



30510 Series Epoxy Plastic Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and plastic-epoxy material is desirable. Self-priming, 8 GPM (30 LPM) flow and debris-tolerant. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general-purpose pumping. Use FKM for hydrocarbons and most solvents. Optional EPDM standard and high-pressure impeller kits (7614-0002) and (8980-0002) for hygienic applications and some ketone solvents. Use a tungsten carbide seal when pumping highly-corrosive or abrasive fluids. Motor is not explosion-proof. Do not run dry.

For pump head-only models (30510-3xxx), select NEMA 56 C-frame C-face motor rated at 3/4 HP at 1750 rpm with appropriate service factor. Motor must handle high-axial loads. Ball bearings locked against axial movement are recommended. Motor must deliver 1.5ft-lbs and 4.3ft-lbs torque minimum in forward and reverse directions respectively. Use only capacitor start motors.

For pedestal mount models (30510-1xxx) operating at 1750 rpm, select a 3/4 HP or 1-1/2 HP motor for standard or high-pressure impellers respectively, with an appropriate service factor. For high-pressure impellers, the motor must supply 3ft-lbs or 6.9ft-lbs of torque minimum for forward and reverse operation respectively.

Rated flow is based on neoprene impeller pumping water. Reduce rated flow 10 percent for nitrile, FKM, and EPDM standard impellers. Reduce rated flow 15 percent for nitrile, FKM and EPDM high-pressure impellers.

SPECIFICATIONS

VOLTAGE	60Hz - 115V AC, single phase, non-CE
MAX FLOW RATE	8 GPM (30 LPM)
MAX PRESSURE	Consult performance chart
SELF-PRIMING	Neoprene/nitrile/FKM - 7-10' (2.1-3m) dry, 17-22' (5.7-6.7m) wet EPDM - 4-6' (1.2-1.8m) dry, 10-12' (3.1-3.7m) wet
PORTS	3/4" (19mm) NPTM
MOTOR	3/4 HP, TEFC AC induction type Intermittent duty, 56 C-frame, C-face 3-prong grounded plug Thermal overload protected
BODY	Epoxy plastic
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (16°C) to 180°F (82°C) EPDM - 45°F (7°C) to 185°F (85°C)
SHAFT	Epoxy plastic sleeve
SEAL	Mechanical carbon or tungsten carbide on ceramic
IMPELLER	Neoprene, nitrile, FKM, EPDM
DIMENSIONS	Consult data sheet 43000-0516
WEIGHT	Model 30510-5xxx - 35lb (15.9kg) Model 30510-3xxx - 6.5lb (3kg) Model 30510-1xxx - 4.5lb (2kg)

30520 Series Epoxy Plastic Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and plastic-epoxy material is desirable. Self-priming, 22 GPM (83 LPM) flow and debris-tolerant. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general-purpose pumping. Use FKM for hydrocarbons and most solvents. Optional EPDM standard and high-pressure impeller kits (8981-0002) and (8840-0002) for hygienic applications and some ketone solvents. Use a tungsten carbide seal when pumping highly-corrosive or abrasive fluids. Motor is not explosion-proof. Do not run dry.

For pump head-only models (30520-3xxx), select NEMA 145 TC-frame C-face motor rated at 1-1/2 HP at 1750 rpm with appropriate service factor. Motor must handle high-axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 4.8ft-lbs and 11.2ft-lbs torque minimum in forward and reverse directions, respectively. Use only capacitor start motors.

For pedestal mount models (30520-1xxx) operating at 1750 rpm, select a 1-1/2 HP or 3 HP motor for standard or high-pressure impellers respectively, with an appropriate service factor. For high-pressure impellers, the motor must supply 7.9ft-lbs or 16.3ft-lbs of torque minimum for forward and reverse operation respectively.

Rated flow is based on neoprene impeller pumping water. Reduce rated flow 10 percent for nitrile, FKM, and EPDM standard impellers. Reduce rated flow 15 percent for nitrile, FKM and EPDM high-pressure impellers.

SPECIFICATIONS

VOLTAGE	60Hz - 115V and 230V AC, single phase, non-CE
MAX FLOW RATE	22 GPM (83 LPM)
MAX PRESSURE	Standard - 30 psi (2.1 bar) or 70' (21.3m) of head High - 60 psi (4.2 bar) or 138' (42.1m) of head
SELF-PRIMING	Neoprene/nitrile/FKM - 7-10' (2.1-3m) dry, 17-22' (5.7-6.7m) wet EPDM - 4-6' (1.2-1.8m) dry, 10-12' (3.1-3.7m) wet
PORTS	1" (25mm) NPTM
MOTOR	1-1/2 HP, capacity start, TEFC, C-face, H14 TC-frame 6' (1.8m) power cord with 3-prong grounded plug Thermal overload protected
BODY	Epoxy plastic
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (16°C) to 180°F (82°C) EPDM - 45°F (7°C) to 185°F (85°C)
SHAFT	Epoxy plastic sleeve
SEAL	Mechanical carbon or tungsten carbide on ceramic
IMPELLER	Neoprene, nitrile, FKM, optional EPDM
DIMENSIONS	Pump and motor - 9.1" high x 8.9" long x 16.25" wide (230mm x 224mm x 410mm) Pump head - 6.6" high x 6.6" long x 6.8" wide (167mm x 167mm x 171mm) Pedestal mount - 4.75" high x 4.9" long x 9.6" wide (120mm x 123mm x 243mm)
WEIGHT	Pump and motor - 54.5lb (24.7kg) Pump head - 10.5lb (4.8kg) Pedestal mount - 7lb (3.2kg)

04 Flexible Impeller Pumps

BRONZE



17830 Reversible DC Water Puppy



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
17830-0012	No	12V DC	Nitrile	MPU
17830-0024	No	24V DC	Nitrile	MPU

FOR INTERNATIONAL MARKETS

Especially suited for viscous fluids and engine oil transfer where self-priming and 3 GPM (11.4 LPM) flow is required. Pump oil from crankcase to storage container, and from storage container to waste container automatically using the manual flow reverse switch. No need to remove or reattach hoses to reverse oil flow direction. Oil temperature should be 100°F (38°C) to 140°F (60°C). Use 12V DC from vehicle battery. Do not run dry.

SPECIFICATIONS

VOLTAGE	12V DC
MAX FLOW RATE	3 GPM (11.4 LPM)
MAX PRESSURE	8.7 psi (0.6 bar) or 20' (6.1m) of lift
SELF-PRIMING	3-4' (1-1.2m) dry, 15-20' (4.6-6.1m) wet
PORTS	3/8" (10mm) NPTF
MOTOR	PMDC, TENV with manual reverse switch 10A nominal, 15A fuse
BODY	Bronze
LIQUID TEMPERATURE RANGE	Nitrile - 45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel
SEAL	Buna lip type
CERTIFICATIONS	CE
IMPELLER	Nitrile
DIMENSIONS	4.4" high x 3.25" long x 7.9" wide (113mm x 83mm x 200mm)
WEIGHT	9lb (4.1kg)

18660 DC Water Puppy



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
18660-0121	No	12V DC	Neoprene	MPU
18660-0123	No	12V DC	Nitrile	MPU

For general transfer pumping where self-priming, 6.3 GPM (24 LPM) flow, and debris tolerance are required. Use optional oil-resistant nitrile impeller 6303-0003 if oil or diesel fuel are present. Do not run dry.

SPECIFICATIONS

VOLTAGE	12V DC, non-CE
MAX FLOW RATE	6.3 GPM (24 LPM)
MAX PRESSURE	8.7 psi (0.6 bar) or 20' (6.1m) of lift
SELF-PRIMING	2-4' (0.6-1.2m) dry, 15-20' (4.6-6.1m) wet
PORTS	1.2" (13mm) NPTF, 3/4" (19mm) male garden hose adapter
MOTOR	PMDC, TENV 8A nominal, 15A fuse
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel
SEAL	Nitrile lip type
IMPELLER	Neoprene or nitrile
DIMENSIONS	3.4" high x 4.75" long x 6.5" wide (86mm x 121mm x 165mm)
WEIGHT	4.5lb (2kg)

18670 Commercial Duty DC Water Puppy



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
18670-0123	No	12V DC	Nitrile	MPU
18670-0943	No	24V DC	Nitrile	MPU

The Commercial Duty Water Puppy has 25 percent more flow than the standard model and a heavy-duty PMDC motor. For general transfer pumping where self-priming, 8 GPM (30.4 LPM) flow and debris tolerance are required. Oil-resistant nitrile impeller is standard. Do not run dry.

SPECIFICATIONS

VOLTAGE	12V or 24V DC, non-CE
MAX FLOW RATE	8 GPM (30.4 LPM)
MAX PRESSURE	8.7 psi (0.6 bar) or 20' (6.1m) of lift
SELF-PRIMING	4-6' (1.2-1.8m) dry, 15-20' (4.6-6.1m) wet
PORTS	1.2" (13mm) NPTF and 1" (25mm) hose barb, 3/4" (19mm) male garden hose adapter
MOTOR	PMDC, TENV AMP draw 11.5A at 12V with 20A fuse, 5A at 24V with 10A fuse
BODY	Bronze
LIQUID TEMPERATURE RANGE	Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel 316
SEAL	Lip type
IMPELLER	Nitrile
DIMENSIONS	3" high x 4.75" long x 6.9" wide (76mm x 120mm x 175mm)
WEIGHT	6lb (2.7kg)

04 Flexible Impeller Pumps

BRONZE



23610 Maxi Puppy 3000



Continuously rated, heavy-duty pumps for general-purpose use.

FEATURES

- Simple design means fewer wearing parts
- 11.6 GPM (44 LPM) output at 10' (3m) head
- Self-priming to 8' (2.4m)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
23610-3003	Yes	12V DC	Nitrile	MPU
23610-3103	Yes	24V DC	Nitrile	MPU

23620 Mini Puppy



Continuously rated, medium-duty pumps for general-purpose use.

FEATURES

- Simple design means fewer wearing parts
- 1.6 GPM (6 LPM) output at 10' (3m) head
- Self-priming to 5' (1.5m)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
23620-4003	Yes	12V DC	Nitrile	MPU
23620-4103	Yes	24V DC	Nitrile	MPU

23670 Junior Puppy



Continuously rated, medium-duty pumps for general-purpose use.

FEATURES

- Presence of small debris is no problem to these bronze-bodied, flexible impeller pumps
- Simple design means fewer wearing parts
- 4.1 GPM (15.5 LPM) output at 16' (5m) of head
- Self-priming up to 8' (2.5m)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
23670-4003	Yes	12V DC	Nitrile	MPU
23670-4103	Yes	24V DC	Nitrile	MPU

23920 Extended Run Dry Utility Puppy 2000/3000



Continuously rated, medium-duty pumps for general-purpose use.

SPECIFICATIONS

VOLTAGE	12V DC, CE-approved
MAX FLOW RATE	2000 - 8 GPM (30 LPM) 3000 - 11 GPM (42 LPM)
MAX PRESSURE	8 psi (0.55 bar) or 19' (5.8m) of lift
SELF-PRIMING	Model 2000 - 3-4' (0.9-1.2m) dry Model 3000 - 6-8' (1.8-2.4m) dry
PORTS	3/4" (19mm) NPTF or BSP
MOTOR	Permanent magnet DC 12/24V
BODY	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel
SEAL	Model 2000 - lip seal, nitrile Model 3000 - mechanical seal, carbon, ceramic, nitrile
IMPELLER	Nitrile
DIMENSIONS	Model 2000 - 4.3" high x 7" long x 4.9" wide (110mm x 121mm x 124mm) Model 3000 - 4.3" high x 8.5" long x 4.9" wide (110mm x 179mm x 124mm)
WEIGHT	Model 2000 - 8.2lb (4kg) Model 3000 - 9.7lb (3.4kg)

MODEL 2000

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
23920-2423	Yes	12V DC	Nitrile	BSP
23920-2523	Yes	24V DC	Nitrile	BSP
23920-9423	Yes	12V DC	Nitrile	NPT
23920-9523	Yes	24V DC	Nitrile	NPT

MODEL 3000

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
23920-2223	Yes	12V DC	Nitrile	BSP
23920-2323	Yes	24V DC	Nitrile	BSP
23920-9223	Yes	12V DC	Nitrile	NPT
23920-9323	Yes	24V DC	Nitrile	NPT

04 Flexible Impeller Pumps

BRONZE



18610 Bronze Utility Pump



For general transfer pumping where self-priming, 6 GPM (22.8 LPM) flow, debris tolerance and portable 115V AC operation is desired. Choice of impeller materials. Use nitrile for oil-based products. Use FKM for hydrocarbons and solvents. Use neoprene for water and general-purpose pumping. Long-lasting AC induction motor has no brushes to wear out. Do not pump gasoline or other flammable liquids. Do not run dry. Motor is not explosion-proof. For continuous operation at 75°F (24°C), do not exceed 15 psi (1 bar) outlet pressure or 38' (11.6m) of lift.

SPECIFICATIONS

VOLTAGE	60Hz - 115V AC, single phase, non-CE
MAX FLOW RATE	6 GPM (22.8 LPM)
MAX PRESSURE	ODF - 13 psi (0.9 bar) or 30' (9.1m) of head TENV - 17 psi (1.2 bar) or 39' (12m) of head
SELF-PRIMING	4-6' (1.2-1.8m) dry, 16-20' (4.9-6.1m) wet
PORTS	1/2" (13mm) NPTF, 3/4" (19mm) male garden hose adapter
MOTOR	1/4 HP, non-vented 8' (2.4m) power cord with 3-prong grounded plug Thermal overload protection
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (15°C) to 180°F (82°C)
SHAFT	Stainless steel 316
SEAL	Neoprene lip type
IMPELLER	Neoprene
DIMENSIONS	9" high x 7" long x 7-1/4" wide (229mm x 178mm x 184mm)
WEIGHT	12lb (5.5kg)

MODELS

See page 128 for model numbers.

11810 Bronze AC Utility Pump



For general transfer pumping where self-priming, 10 GPM (38 LPM) flow, debris tolerance and portable 115V AC operation is desired. Use nitrile for oil-based products. Use neoprene for water and general-purpose pumping. Do not run dry. Motor is not explosion-proof.

SPECIFICATIONS

VOLTAGE	60Hz - 115V AC, single phase, non-CE
MAX FLOW RATE	10 GPM (38 LPM)
MAX PRESSURE	17 psi (1.2 bar) or 39' (12m) of head
SELF-PRIMING	8-10' (2.4-3m) dry, 16-20' (4.9-6.1m) wet
PORTS	1/2" (13mm) NPTF and 3/4" (19mm) male garden hose thread
MOTOR	1/3 HP, TEFC or ODP AC induction type 8' (2.4m) power cord with 3-prong grounded plug Thermal overload protection 7A nominal, 10A fuse
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel 316
SEAL	Nitrile lip type
IMPELLER	Nitrile
DIMENSIONS	7-3/4" high x 7-1/4" long x 10-1/2" wide (197mm x 184mm x 267mm)
WEIGHT	ODP - 20lb (9.1kg) TEFC - 25lb (11.3kg)

04 Flexible Impeller Pumps

BRONZE



6050 Bronze AC Utility Pump



For general transfer pumping using 115V AC power where self-priming, 23 GPM (87 LPM) flow and debris tolerance are required. Oil-resistant nitrile impeller is standard. Do not run dry.

SPECIFICATIONS

VOLTAGE	60Hz - 115V and 230V AC, single phase, non-CE
MAX FLOW RATE	23 GPM (87 LPM)
MAX PRESSURE	26 psi (1.8 bar) or 60' (18.2m) of lift
SELF-PRIMING	8-10' (2.4-3m) dry, 20-22' (6.1-6.7m) wet
PORTS	1" (25mm) NPTF
MOTOR	3/4 HP TEFC or ODP AC induction type 8' (2.4m) power cord with 3-prong grounded plug Thermal overload protection
BODY	Bronze
LIQUID TEMPERATURE RANGE	50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel 316
SEAL	Nitrile lip type
IMPELLER	Nitrile
DIMENSIONS	8.6" high x 7-3/4" long x 13" wide (218mm x 197mm x 331mm)
WEIGHT	35.5lb (16.1kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
6050-0003	No	115V AC	Nitrile	MPU/ODP
6050-0013	No	115V AC	Nitrile	MPU/TEFC

50005 Series



FEATURES

- Self-primers from dry up to 4.9' (1.5m)
- Flows up to 0.3 GPM (4.5 LPM)
- Pressure up to 29 psi (2 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non-pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor

SPECIFICATIONS

PORTS	3/8" BSP internal thread, 1" (25mm) bore hose connection
PUMP HEAD	Bronze
SHAFT	Stainless steel, shaft extension
SEAL	Nitrile lip seal
BEARINGS	Uses motor bearings with polypropylene motor adapter
END COVER	Brass
WEIGHT	13.7lb (6.2kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
50005-8411	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
50005-8413	Yes	230V, 1Ph, 50Hz	Nitrile	MPU

50010 Series



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
50010-2411	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
50010-2413	Yes	230V, 1Ph, 50Hz	Nitrile	MPU

FEATURES

- Self-primers from dry up to 4.9' (1.5m)
- Flows up to 1.6 GPM (6 LPM)
- Pressure up to 36.2 psi (2.5 bar)
- Will handle hard or soft solids
- Will tolerate abrasive wear
- Non-pulsating flow
- Will handle viscosities up to 500 cP
- Uses standard IEC motor

SPECIFICATIONS

PORTS	3/8" BSP internal thread and 3/4" (19mm) bore hose connections
PUMP HEAD	Bronze
SHAFT	Stainless steel, shaft extension
SEAL	Nitrile lip seal
BEARINGS	Uses motor bearings with polypropylene motor adapter
END COVER	Brass
WEIGHT	13.9lb (6.3kg)

50020 Series



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
50020-2411	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
50020-2413	Yes	230V, 1Ph, 50Hz	Nitrile	MPU

FEATURES

- Self-primers from dry up to 4.9' (1.5m)
- Flows up to 4.8 GPM (18 LPM)
- Pressure up to 24.7 psi (1.7 bar)
- Will handle hard or soft solids
- Will tolerate abrasive wear
- Non-pulsating flow
- Will handle viscosities up to 500 cP
- Uses standard IEC motor

SPECIFICATIONS

PORTS	1/2" (13mm) BSP internal thread and 1" (25mm) bore hose connections
PUMP HEAD	Bronze
SHAFT	Stainless steel, shaft extension
SEAL	Nitrile lip seal
BEARINGS	Uses motor bearings with polypropylene motor adapter
END COVER	Brass
WEIGHT	14.1lb (6.4kg)

04 Flexible Impeller Pumps

BRONZE



53010 Series



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
53010-2111	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
53010-2113	Yes	230V, 1Ph, 50Hz	Nitrile	MPU
53010-2115	Yes	230V, 1Ph, 50Hz	Sanitary neoprene	MPU

FEATURES

- Self-primers from dry up to 4.9' (1.5m)
- Flows up to 3 GPM (12 LPM) at 50.8 psi (3.5 bar)
- Pressure up to 24.7 psi (1.7 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non-pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry-running capability for 30 minutes without damage to pump (post operation)

SPECIFICATIONS

PORTS	1/2" (13mm) BSP external thread
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes (post operation)
SHAFT	Stainless steel, shaft extension
SEAL	Carbon/ceramic mechanical face seal, butyl elastomers
BEARINGS	Uses motor bearings with polypropylene motor adapter
END COVER	Brass
WEIGHT	15.7lb (7.1kg)

53020 Series



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
53020-2011	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
53020-2013	Yes	230V, 1Ph, 50Hz	Nitrile	MPU

FEATURES

- Self-primers from dry up to 4.9' (1.5m)
- Flows up to 4.5 GPM (18 LPM)
- Pressure up to 24.7 psi (1.7 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non-pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry-running capability for 30 minutes without damage to pump (post operation)

SPECIFICATIONS

PORTS	3/4" (19mm) BSP internal thread
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes (post operation)
SHAFT	Stainless steel, shaft extension
SEAL	Carbon/ceramic mechanical face seal, butyl elastomers
BEARINGS	Uses motor bearings with polypropylene motor adapter
END COVER	Brass
WEIGHT	15.7lb (7.1kg)

53040 Series



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
53040-2001	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
53040-2003	Yes	230V, 1Ph, 50Hz	Nitrile	MPU
53040-2021	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
53040-2103	Yes	110V, 1Ph, 50Hz	Neoprene	MPU

FEATURES

- Self-primers from dry up to 9.8' (3m)
- Flows up to 9.2 GPM (35 LPM)
- Pressure up to 36.3 psi (2.5 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non-pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry-running capability for 30 minutes without damage to pump (post operation)

SPECIFICATIONS

PORTS	1" (25mm) BSP internal thread
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes (post operation)
SHAFT	Stainless steel, shaft extension
SEAL	Carbon/ceramic mechanical face seal, butyl elastomers
BEARINGS	Uses motor bearings with polypropylene motor adapter
END COVER	Brass
WEIGHT	21lb (9.5kg)

53080 Series



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
53080-2001	Yes	230V, 1Ph, 50Hz	Neoprene	MPU
53080-2003	Yes	230V, 1Ph, 50Hz	Nitrile	MPU
53080-2063	Yes	220V, 50Hz	Nitrile	MPU

FEATURES

- Self-primers from dry up to 9.8' (3m)
- Flows up to 21 GPM (80 LPM)
- Pressure up to 29 psi (2 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non-pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry-running capability for 30 minutes without damage to pump (post operation)

SPECIFICATIONS

PORTS	1-1/2" (38mm) BSP internal thread
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes (post operation)
SHAFT	Stainless steel, shaft extension
SEAL	Carbon/ceramic mechanical face seal, nitrile elastomers
BEARINGS	Uses motor bearings with polypropylene motor adapter
CABLE	Fitted with 6.6' (2m) long supply cable
WEIGHT	33.7lb (15kg)

04 Flexible Impeller Pumps

BRONZE



22860 Series



FEATURES

- Flows up to 9.2 GPM (35 LPM) at 1500 rpm
- Self-primers from dry up to 9.8' (3m)
- Handles hard or soft solids
- Non-pulsating flow
- Gentle pump action does not damage shear-sensitive products
- Easy to service and maintain

SPECIFICATIONS

PORTS	3/4" (19mm) BSP internal thread
PUMP HEAD	Bronze
SHAFT	Stainless steel, shaft extension
SEAL	Carbon/ceramic mechanical seal
BEARINGS	Uses motor bearings with epoxy-coated aluminum motor adapter, suitable for B3/ B14 D80 frame motor to IEC 71 standard
END COVER	Brass
WEIGHT	4.2lb (1.9kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
22860-2001	Yes	N/A	Neoprene	Head kit
22860-2003	Yes	N/A	Nitrile	Head kit
22860-2021	Yes	N/A	Neoprene	Head kit, flange
22860-2061	Yes	N/A	Neoprene	Head kit
22860-2702	Yes	N/A	3A EPDM	Head kit

22870 Series



FEATURES

- Flows up to 21 GPM (80 LPM) at 1500 rpm
- Self-primers from dry up to 16.4' (5m)
- Handles hard or soft solids
- Non-pulsating flow
- Gentle pump action does not damage shear-sensitive products
- Easy to service and maintain

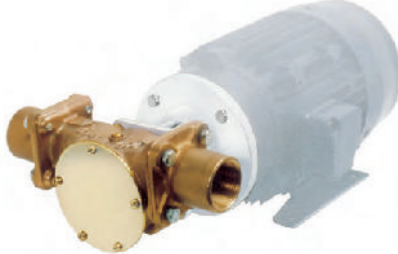
SPECIFICATIONS

PORTS	1" (25mm) BSP internal thread
PUMP HEAD	Bronze
SHAFT	Stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical seal
BEARINGS	Uses motor bearings with epoxy-coated aluminum motor adapter, suitable for B3/ B14 D80 frame motor to IEC 71 standard
END COVER	Brass
WEIGHT	5.7lb (2.6kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
22870-2001	Yes	N/A	Neoprene	Head kit
22870-2003	Yes	N/A	Nitrile	Head kit
22870-2043	Yes	N/A	Nitrile	Head kit
22870-2201	Yes	N/A	Neoprene	Head kit, no adapter
22870-2203	Yes	N/A	Nitrile	Head kit, no adapter
22870-2543	Yes	N/A	Nitrile	MPU
22870-2702	Yes	N/A	3A EPDM	Head kit

22880 Series



FEATURES

- Flows up to 52.8 GPM (200 LPM) at 1500 rpm
- Self-primers from dry up to 9.8' (3m)
- Handles hard or soft solids
- Non-pulsating flow
- Gentle pump action does not damage shear-sensitive products
- Easy to service and maintain

SPECIFICATIONS

PORTS	Flanged, adapters available
PUMP HEAD	Bronze
SHAFT	Stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical seal
BEARINGS	Uses motor bearings with epoxy-coated aluminum motor adapter, suitable for B3/ B14 D100 frame motor to IEC 71 standard
END COVER	Brass
WEIGHT	17lb (7.7kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
22880-0033	Yes	N/A	Nitrile	Head kit
22880-2201	Yes	N/A	Neoprene	Head kit, flange
22880-2203	Yes	N/A	Nitrile	Head kit, flange
22880-2401	Yes	N/A	Neoprene	Head kit, flange

22890 Series



FEATURES

- Flows up to 71.3 GPM (270 LPM) at 1500 rpm
- Self-primers from dry up to 14.8' (4.5m)
- Handles hard or soft solids
- Non-pulsating flow
- Gentle pump action does not damage shear-sensitive products
- Easy to service and maintain

SPECIFICATIONS

PORTS	Flanged, adapters available
PUMP HEAD	Bronze
SHAFT	Stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical seal
BEARINGS	Uses motor bearings with epoxy-coated aluminum motor adapter, suitable for B3/ B14 D100 frame motor to IEC 71 standard
END COVER	Brass
WEIGHT	20.5lb (9.3kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
22890-2001	Yes	N/A	Neoprene	Head kit

04 Flexible Impeller Pumps

BRONZE



53270 Series



FEATURES

- Flows up to 71.3 GPM (270 LPM) at 1500 rpm
- Self-primers from dry up to 14.8' (4.5m)
- Handles hard or soft solids
- Non-pulsating flow
- Gentle pump action does not damage shear-sensitive products
- Easy to service and maintain

SPECIFICATIONS

PORTS	2" (51mm) BSP internal thread
PUMP HEAD	Bronze
SHAFT	Stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical seal
BEARINGS	Uses motor bearings with epoxy-coated aluminum motor adapter, suitable for B3/B14 D100 frame motor to IEC 71 standard
END COVER	Brass
WEIGHT	20.5lb (9.3kg)

MODELS

See page 128 for model numbers

2620 Bronze Pedestal Pump



SPECIFICATIONS

MAX FLOW RATE	4.4 GPM (20 LPM)
MAX PRESSURE	13 psi (0.9 bar) or 30' (9.1m) of head
SELF-PRIMING	8-10' (2.4-3m) dry, 15-22' (4.6-6.7m) wet
PORTS	3/8" (10mm) NPTF
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 160°F (71°C) Nitrile - 50°F (10°C) to 160°F (71°C)
SHAFT	Bronze, 1/2" (13mm) diameter
SEAL	Neoprene lip type
IMPELLER	Neoprene, nitrile
DIMENSIONS	3.2" high x 3.1" long x 3.9" wide (81mm x 79mm x 100mm)
WEIGHT	2.7lb (1.3kg)

2760 Bronze Pedestal Pump



SPECIFICATIONS

MAX FLOW RATE	4.4 GPM (20 LPM)
MAX PRESSURE	17 psi (1.2 bar) or 40' (12.2m) of head
SELF-PRIMING	8-10' (2.4-3m) dry, 15-22' (4.6-6.7m) wet
PORTS	1/4" (6mm) NPTF
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel, 3/8" (10mm) diameter
SEAL	Neoprene lip type
IMPELLER	Neoprene, nitrile
DIMENSIONS	2.4" high x 2.6" long x 3.6" wide (62mm x 67mm x 90mm)
WEIGHT	1.5lb (0.7kg)

1673 Bronze Pedestal Flexible Impeller Pump



SPECIFICATIONS

MAX FLOW RATE	8.9 GPM (40 LPM)
MAX PRESSURE	21 psi (1.5 bar) or 50' (15.2m) of head
SELF-PRIMING	8-10' (2.4-3m) dry, 15-20' (4.6-6.1m) wet
PORTS	1/2" (13mm) NPTF
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 160°F (71°C) Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel, 5/8" (16mm) diameter
SEAL	Nitrile lip or face seal
IMPELLER	Neoprene, nitrile
DIMENSIONS	3.8" high x 4.1" long x 4-1/2" wide (96mm x 104mm x 113mm)
WEIGHT	4.25lb (1.4kg)

04 Flexible Impeller Pumps

BRONZE



777 Bronze Pedestal Flexible Impeller Pump



SPECIFICATIONS

MAX FLOW RATE	17.8 GPM (80 LPM)
MAX PRESSURE	26 psi (1.8 bar) or 60' (18.3m) of head
SELF-PRIMING	8-10' (2.4-3m) dry, 20-22' (6.1-6.7m) wet
PORTS	1" (25mm) NPTF
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 160°F (71°C) Nitrile - 50°F (10°C) to 160°F (71°C)
SHAFT	Stainless steel
SEAL	Nitrile lip or face type
IMPELLER	Neoprene, nitrile
DIMENSIONS	3.6" high x 4-3/4" long x 6.3" wide (90mm x 120mm x 159mm)
WEIGHT	5.8lb (2.6kg)

6400 Bronze Pedestal Pump



SPECIFICATIONS

MAX FLOW RATE	44.4 GPM (200 LPM)
MAX PRESSURE	26 psi (1.8 bar) or 60' (18.3m) of head
SELF-PRIMING	8-10' (2.4-3m) dry, 15-22' (4.6-6.7m) wet
PORTS	1-1/4" (32mm) NPTF
BODY	Bronze
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Bronze, 1-1/4" (32mm) diameter
SEAL	Carbon ceramic face type
IMPELLER	Neoprene
DIMENSIONS	4.9" high x 5.9" long x 8.1" wide (123mm x 149mm x 204mm)
WEIGHT	10.5lb (4.8kg)

18370 Bronze Pedestal Pump & 52270 Series



SPECIFICATIONS

	MODEL 18370 (US ONLY)	MODEL 52220
MAX FLOW RATE	60 GPM (270 LPM)	60 GPM (270 LPM)
SELF-PRIMING	7.8' (2.4m)	7.8' (2.4m)
PORTS	2" (51mm) NPT	2" flanged or 2" (51mm) BSP
BODY	Bronze	Bronze, iron bearing housing
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel, 1" (25mm) diameter	Stainless steel, 1" (25mm) diameter
SEAL	Carbon/ceramic mechanical	Carbon/ceramic mechanical
BEARINGS	Twin row, ball type	Twin row, ball type
IMPELLER	Neoprene/nitrile	Neoprene/nitrile
DIMENSIONS	10.9" high x 8" long x 5.1" wide (276mm x 170mm x 128mm)	11" high x 7" long x 5" wide (79mm x 178mm x 127mm)
WEIGHT	19lb (8.6kg)	19.8lb (9kg)

51510 & 51520 Series



SPECIFICATIONS

	MODEL 51510	MODEL 51520
MAX FLOW RATE	2.2 GPM (10 LPM)	4.4 GPM (20 LPM)
SELF-PRIMING	4.9' (1.5m)	4.9' (1.5m)
PORTS	3/8" (10mm) BSP or 3/8" (10mm) NPT	3/8" (10mm) BSP or 3/8" (10mm) NPT
BODY	Bronze	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel, 1" (25mm) diameter	Stainless steel, 1" (25mm) diameter
SEAL	Carbon/ceramic mechanical	Carbon/ceramic mechanical
BEARINGS	Sealed ball bearings	Sealed ball bearings
IMPELLER	Neoprene	Neoprene
DIMENSIONS	3.6" high x 3" long x 2.4" wide (92mm x 80mm x 60mm)	3-1/4" high x 3" long x 3-1/2" wide (95mm x 80mm x 85mm)
WEIGHT	1.4lb (0.6kg)	1.5lb (0.7kg)

04 Flexible Impeller Pumps

BRONZE



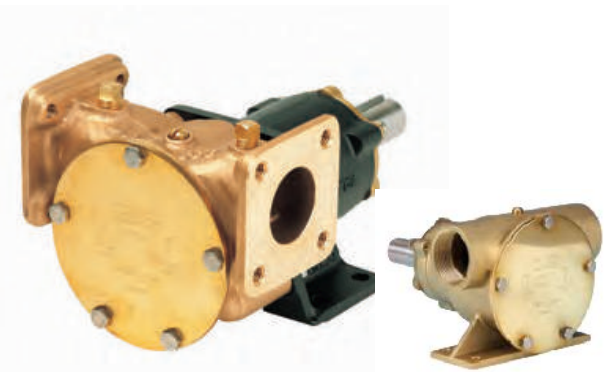
52040 & 52580 Series



SPECIFICATIONS

	MODEL 52040 (EUROPEAN ONLY)	MODEL 52580
MAX FLOW RATE	8.9 GPM (40 LPM)	17.8 GPM (80 LPM)
SELF-PRIMING	7.8' (2.4m)	7.8' (2.4m)
PORTS	3/4" (19mm) BSP	1" (25mm) BSP, 1" (25mm) NPT
BODY	Bronze	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel, 1" (25mm) diameter	Stainless steel, 1" (25mm) diameter
SEAL	Lip type	Carbon/ceramic mechanical
BEARINGS	Twin row, ball type	Twin row, ball type
IMPELLER	Neoprene/nitrile	Neoprene/nitrile
DIMENSIONS	5" high x 4" long x 3" wide (128mm x 106mm x 78mm)	6-1/2" high x 5" long x 4" wide (180mm x 120mm x 100mm)
WEIGHT	3.3lb (1.5kg)	7.3lb (3.3kg)

52200 & 52220 Series



SPECIFICATIONS

	MODEL 52200	MODEL 52220
MAX FLOW RATE	44.5 GPM (200 LPM)	44.5 GPM (200 LPM)
SELF-PRIMING	7.8' (2.4m)	7.8' (2.4m)
PORTS	1-1/2" (38mm) BSP	1-1/2" (38mm) flange
BODY	Bronze	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel, 1" (25mm) diameter	Stainless steel, 1" (25mm) diameter
SEAL	Carbon/ceramic mechanical	Carbon/ceramic mechanical
BEARINGS	Twin row, ball type	Twin row, ball type
IMPELLER	Neoprene/nitrile	Neoprene/nitrile
DIMENSIONS	8" high x 6" long x 5" wide (204mm x 150mm x 120mm)	10-1/2" high x 6" long x 6" wide (276mm x 152mm x 146mm)
WEIGHT	11lb (5kg)	15.4lb (7kg)

11860 & 11870 Series



SPECIFICATIONS

	MODEL 11860	MODEL 11870
CLUTCH VOLTAGE	12V or 24V DC	12V or 24V DC
MAX FLOW RATE	23 GPM (87 LPM)	62 GPM (234 LPM)
SELF-PRIMING	7.8' (2.4m)	7.8' (2.4m)
PORTS	1" (25mm) NPT	1-1/4" (32mm)
BODY	Bronze	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel	Stainless steel
SEAL	Carbon/ceramic mechanical	Carbon/ceramic mechanical
BEARINGS	Twin row, ball type	Twin row, ball type
BELT	2 groove A, 1 groove B	2 groove A, 1 groove B
PULLEY	7" (178mm) diameter	7" (178mm) diameter
IMPELLER	Neoprene/nitrile	Neoprene/nitrile
DIMENSIONS	6.2" high x 5.4" long x 4.9" wide (157mm x 137mm x 125mm)	8.2" high x 6.1" long x 7.1" wide (208mm x 154mm x 179mm)
WEIGHT	15lb (6.8kg)	19.5lb (8.9kg)

50580 Series



SPECIFICATIONS

CLUTCH VOLTAGE	12V or 24V DC
MAX FLOW RATE	17.8 GPM (80 LPM)
SELF-PRIMING	7.8' (2.4m)
PORTS	1" (25mm) BSP, 1" (25mm) NPT
BODY	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel
SEAL	Carbon/ceramic mechanical
BEARINGS	Twin row, ball type
BELT	2 groove A, 1 groove B
PULLEY	7" (178mm) diameter
IMPELLER	Neoprene/nitrile
DIMENSIONS	6-1/2" high x 5" long x 7" wide (160mm x 120mm x 178mm)
WEIGHT	11lb (5kg)

04 Flexible Impeller Pumps

BRONZE



50200 & 50220 Series



SPECIFICATIONS

	MODEL 50200 (EUROPEAN ONLY)	MODEL 50220 (EUROPEAN ONLY)
CLUTCH VOLTAGE	12V or 24V DC	12V or 24V DC
MAX FLOW RATE	44.5 GPM (200 LPM)	44.5 GPM (200 LPM)
SELF-PRIMING	7.8' (2.4m)	7.8' (2.4m)
PORTS	1-1/2" (38mm) BSP	1-1/2" (38mm) flange
BODY	Bronze	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel	Stainless steel
SEAL	Carbon/ceramic mechanical	Carbon/ceramic mechanical
BEARINGS	Twin row, ball type	Twin row, ball type
BELT	2 groove A, 1 groove B	2 groove A, 1 groove B
PULLEY	7" (178mm) diameter	7" (178mm) diameter
IMPELLER	Neoprene/nitrile	Neoprene/nitrile
DIMENSIONS	9-1/2" high x 6" long x 7" wide (239mm x 153mm x 178mm)	9-1/2" high x 6" long x 7" wide (239mm x 153mm x 178mm)
WEIGHT	25lb (11.2kg)	25lb (11.2kg)

18330 & 50270 Series



SPECIFICATIONS

	MODEL 18330	MODEL 50270
CLUTCH VOLTAGE	12V or 24V DC	12V or 24V DC
MAX FLOW RATE	83 GPM (314 LPM)	60 GPM (270 LPM)
SELF-PRIMING	7.8' (2.4m)	7.8' (2.4m)
PORTS	2" (51mm) NPT	2" (51mm) BSP 2" (51mm) flange
BODY	Bronze	Bronze
LIQUID TEMPERATURE RANGE	45°F (7°C) to 180°F (82°C)	45°F (7°C) to 180°F (82°C)
SHAFT	Stainless steel	Stainless steel
SEAL	Carbon/ceramic mechanical	Carbon/ceramic mechanical
BEARINGS	Twin row, ball type	Twin row, ball type
BELT	2 groove A, 1 groove B	2 groove A, 1 groove B
PULLEY	7" (178mm) diameter	7" (178mm) diameter
IMPELLER	Neoprene/nitrile	Neoprene/nitrile
DIMENSIONS	12.4" high x 5.9" long x 5-3/4" wide (316mm x 151mm x 146mm)	10" high x 7" long x 7" wide (264mm x 170mm x 178mm)
WEIGHT	24lb (11kg)	27lb (12.2kg)



Flexible Impeller Pumps 04

STAINLESS STEEL

28230 & 28240 Series



FEATURES

- Self-priming from dry up to 16.4' (5m)
- Flows up to 10.6 GPM (40 LPM)
- Pressure up to 43.5 psi (3 bar)
- Handles hard or soft solids - 0.2" (5mm) maximum diameter
- Tolerates abrasive wear - replaceable wearplate
- Non-pulsating flow, proportional to speed
- Handles viscosities up to 4,000 cP
- Minimal shear to thixotropic fluids
- Easy to service and maintain
- Fits IEC standard motor B3/B14, frame 80 (model 28240)

SPECIFICATIONS

MAX PRESSURE	Standard - 36 psi (2.5 bar) High - 43.5 psi (3 bar)
PORTS	3/4" (19mm) BSP internal thread to BS21 DIN2999
PUMP HEAD	Stainless steel 316, as-cast interior and exterior finish
SHAFT	Stainless steel 316
SEAL	Carbon/ceramic mechanical face seal, nitrile or FKM elastomer Optional - Tungsten carbide/ceramic hard faced mechanical seal, nitrile lip seal on shaft sleeve, carbon/ceramic flushed seal, tungsten carbide/ceramic hard faced flush seal
BEARINGS	Model 28230 - greased ball bearings, epoxy-coated, cast iron housing Model 28240 - uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Stainless steel 316
IMPELLER	Neoprene, EPDM, nitrile, FKM
WEIGHT	Model 28230 - 6.8lb (2.8kg) Model 28240 - 5.7lb (2.6kg)

28330 & 28340 Series



FEATURES

- Self-priming from dry up to 16.4' (5m)
- Flows up to 21 GPM (80 LPM)
- Pressure up to 58 psi (4 bar)
- Handles hard or soft solids - 0.2" (5mm) maximum diameter
- Tolerates abrasive wear - replaceable wearplate
- Non-pulsating flow, proportional to speed
- Handles viscosities up to 4,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80 (model 28340)
- Easy to service and maintain

SPECIFICATIONS

MAX PRESSURE	Standard - 36 psi (2.5 bar) High - 58 psi (4 bar)
PORTS	1" (25mm) BSP internal thread to BS21 DIN2999
PUMP HEAD	Stainless steel 316, as-cast interior and exterior finish
SHAFT	Model 28330 - stainless steel 316 Model 28340 - stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical face seal, nitrile or FKM elastomer Optional - Tungsten carbide/ceramic hard faced mechanical seal, nitrile lip seal on shaft sleeve, carbon/ceramic flushed seal, tungsten carbide/ceramic hard faced flush seal
BEARINGS	Model 28330 - greased ball bearings, epoxy-coated, cast iron housing Model 28340 - uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Stainless steel 316
IMPELLER	Neoprene, EPDM, nitrile, FKM
WEIGHT	Model 28330 - 9.3lb (4.2kg) Model 28340 - 7.3lb (3.3kg)

04 Flexible Impeller Pumps

STAINLESS STEEL



28430 & 28440 Series



FEATURES

- Self-primers from dry up to 16.4' (5m)
- Flows up to 52.8 GPM (200 LPM)
- Pressure up to 58 psi (4 bar)
- Handles hard or soft solids 0.4" (9mm) maximum diameter
- Tolerates abrasive wear – replaceable wearplate
- Non-pulsating flow, proportional to speed
- Handles viscosities up to 10,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 90 (model 28440)
- Easy to service and maintain

SPECIFICATIONS

MAX PRESSURE	Standard – 36 psi (2.5 bar) High – 58 psi (4 bar)
PORTS	1-1/2" (38mm) BSP internal thread to BS21 DIN2999
PUMP HEAD	Stainless steel 316, as-cast interior and exterior finish
SHAFT	Model 28430 – stainless steel 316 Model 28440 – stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical face seal, nitrile or FKM elastomer Optional – Tungsten carbide/ceramic hard faced mechanical seal, nitrile lip seal on shaft sleeve, carbon/ceramic flushed seal, tungsten carbide/ceramic hard faced flush seal
BEARINGS	Model 28430 – greased ball bearings Model 28440 – epoxy-coated, cast iron housing
END COVER	Stainless steel 316
IMPELLER	Neoprene, EPDM, nitrile, FKM
WEIGHT	Model 28430 – 19.2lb (8.7kg) Model 28440 – 14.1lb (6.4kg)

28530 & 28540 Series



FEATURES

- Self-primers from dry up to 14.8' (4.5 m)
- Flows up to 97.7 GPM (370 LPM)
- Pressure up to 43.5 psi (3 bar)
- Handles hard or soft solids 1/2" (13mm) maximum diameter
- Tolerates abrasive wear – replaceable wearplate
- Non-pulsating flow, proportional to speed
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 100 (model 28540)
- Easy to service and maintain

SPECIFICATIONS

MAX PRESSURE	Medium – 36 psi (2.5 bar) High – 43.5 psi (3 bar)
PORTS	2" (51mm) BSP external thread to BS21 DIN2999
PUMP HEAD	Stainless steel 316, as-cast interior and exterior finish
SHAFT	Model 28530 – stainless steel 316
SEAL	Carbon/ceramic mechanical face seal, nitrile or FKM elastomer Optional – Tungsten carbide/ceramic hard faced mechanical seal, nitrile lip seal on shaft sleeve, carbon/ceramic flushed seal, tungsten carbide/ceramic hard faced flush seal
BEARINGS	Model 28530 – greased ball bearings, epoxy-coated, cast iron housing Model 28540 – uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Stainless steel 316
IMPELLER	Neoprene, EPDM, nitrile, FKM
WEIGHT	Model 28530 – 32lb (14.5kg) Model 28540 – 21.4lb (9.7kg)

04 Flexible Impeller Pumps

STAINLESS STEEL



30510 Industrial Stainless Steel Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and 316 stainless steel material is desirable. Self-priming, 8 GPM (30 LPM) flow and debris-tolerant. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general-purpose pumping. Use FKM for hydrocarbons and most solvents.

Optional EPDM impeller kit (7614-0002) for hygienic applications and some keytone solvents. Use a tungsten carbide seal when pumping highly corrosive or abrasive fluids. Long-lasting AC induction motor has no brushes to wear out. Do not pump gasoline or other flammable liquids. Motor is not explosion-proof. Do not run dry.

For pump head-only models (30510-2xxx), select NEMA 56 C-frame C-face motor rated at 3/4 HP at 1750 rpm with appropriate service factor. Motor must handle high-axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 1.5ft-lbs and 4.3ft-lbs torque minimum in forward and reverse directions, respectively. Use only capacitor-start motors.

For pedestal-mount models (30510-0xxx) operating at 1750 rpm, select a 3/4 HP or 1-1/2 HP motor for standard or high-pressure impellers, respectively, with an appropriate service factor. For high-pressure impellers, the motor must supply 3ft-lbs or 6.9ft-lbs of torque minimum for forward and reverse operation, respectively. Rated flow is based on neoprene impeller pumping water. Reduce rated flow 10 percent for nitrile, FKM and EPDM standard impellers. Reduce rated flow 15 percent for nitrile, FKM and EPDM high-pressure impellers.

SPECIFICATIONS

VOLTAGE	60Hz - 115V AC, single phase, non-CE
MAX FLOW RATE	8.2 GPM (31 LPM)
MAX PRESSURE	Standard - 30 psi (2.1 bar) or 70' (21.3m) of head High - 60 psi (4.2 bar) or 139' (42.4m) of head
SELF-PRIMING	Neoprene/nitrile - 8-10' (2.4-3m) dry, 18-22' (5.5-6.7m) wet FKM/EPDM - 4-6' (1.2-1.8m) dry, 18-22' (5.5-6.7m) wet
PORTS	3/4" (19mm) NPTF
MOTOR	3/4 HP, TEFC AC induction type 56 C-frame, C-face 6' (1.8m) power cord with 3-prong grounded plug Thermal overload protection
BODY	Stainless steel 316
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (15°C) to 180°F (82°C) EPDM - 45°F (7°C) to 185°F (85°C)
SHAFT	Stainless steel 316
SEAL	Mechanical carbon or tungsten carbide on ceramic
IMPELLER	Neoprene, nitrile, FKM, optional EPDM
DIMENSIONS	Pump and motor - 9.1" high x 8.9" long x 16" wide (230mm x 224mm x 403mm) Pump head - 6.6" high x 6.6" long x 5-3/4" wide (168mm x 168mm x 145mm) Pedestal mount - 4-3/4" high x 4-3/4" long x 9-1/4" wide (120mm x 120mm x 233mm)
WEIGHT	Pump and motor - 36lb (16.3kg) Pump head - 7.5lb (3.4kg) Pedestal mount - 8.5lb (3.9kg)



30520 Industrial Stainless Steel Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation is desirable. Self-priming, 22 GPM flow and debris-tolerant. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general-purpose pumping. Use FKM for hydrocarbons and most solvents. Optional EPDM impeller kit (8981-0002) for hygienic applications and some keytone solvents. Use tungsten carbide seal when pumping highly-corrosive or abrasive fluids. Do not pump gasoline or other flammable liquids. Motor is not explosion-proof. Do not run dry.

For pump head-only models (30520-2xxx), select NEMA H145 TC-frame C-face motor rated at 1-1/2 HP at 1750 rpm with appropriate service factor. Motor must handle high-axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 4.8ft-lbs and 11.2ft-lbs torque minimum in forward and reverse directions, respectively. Use only capacitor-start motors.

For pedestal mount models (30520-0xxx) operating at 1750 rpm, select a 1-1/2 HP or 3 HP motor for standard or high-pressure impellers, respectively, with an appropriate service factor. For high-pressure impellers, the motor must supply 7.9ft-lbs or 16.3ft-lbs of torque minimum for forward and reverse operation, respectively. Rated flow is based on neoprene impeller pumping water. Reduce rated flow 10 percent for nitrile, FKM and EPDM standard impellers. Reduce rated flow 15 percent for nitrile, FKM and EPDM high-pressure impellers.

SPECIFICATIONS

VOLTAGE	60Hz - 115V and 230V AC, single phase, non-CE
MAX FLOW RATE	22 GPM (83 LPM)
MAX PRESSURE	Standard - 30 psi (2.1 bar) or 69' (21m) of head High - 60 psi (4.2 bar) or 138' (42m) of head
SELF-PRIMING	Neoprene/nitrile - 8-10' (2.4-3m) dry, 18-22' (5.5-6.7m) wet FKM/EPDM - 4-6' (1.2-1.8m) dry, 18-22' (5.5-6.7m) wet
PORTS	1" (25mm) NPTF
MOTOR	1-1/2 HP, TEFC AC induction type H145 TC-frame, C-face 6' (1.8m) power cord with 3-prong grounded plug Thermal overload protection
BODY	Epoxy 316
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (15°C) to 180°F (82°C) EPDM - 45°F (7°C) to 185°F (85°C)
SHAFT	Epoxy 316 sleeve
SEAL	Mechanical carbon or tungsten carbide on ceramic
IMPELLER	Neoprene, nitrile, FKM, optional EPDM
DIMENSIONS	Pump and motor - 8.4" high x 8.9" long x 18-1/4" wide (213mm x 224mm x 460mm) Pump head - 6.6" high x 6.6" long x 7-1/2" wide (168mm x 168mm x 189mm) Pedestal mount - 4-3/4" high x 4-3/4" long x 9-1/4" wide (120mm x 120mm x 233mm)
WEIGHT	Pump and motor - 36lb (16.3kg) Pump head - 7.5lb (3.4kg) Pedestal mount - 8.5lb (3.9kg)



04 Flexible Impeller Pumps

STAINLESS STEEL



30530 Industrial Stainless Steel Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and 316 stainless steel material are desirable. Self-priming, 50 GPM (189 LPM) flow and debris-tolerant. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general purpose pumping. Use FKM for hydrocarbons and most solvents. Optional standard EPDM impeller kit (14346-0002) for hygienic applications and some ketone solvents. Use tungsten carbide seal when pumping highly corrosive or abrasive fluids. Do not pump gasoline or other flammable liquids. Motor is not explosion-proof. Do not run dry.

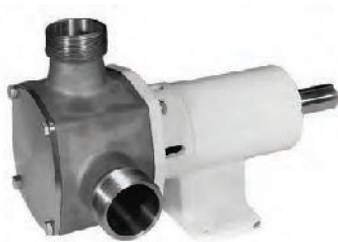
For pump head-only models (30530-2xxx) select NEMA 184 TC-frame C-face motor rated at 5 HP at 1750 rpm with appropriate service factor. Motor must handle high-axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 14.5ft-lbs and 43ft-lbs torque minimum in forward and reverse directions, respectively.

For standard impellers only. Use only capacitor-start motors. For pedestal-mount models (30530-0xxx) operating at 1750 rpm, select a 3 HP or 6 HP motor for standard or high-pressure impellers, respectively, with an appropriate service factor. For high-pressure impellers, the motor must supply 26ft-lbs or 40ft-lbs of torque minimum for forward and reverse operation, respectively. Rated flow is based on neoprene impeller pumping water. Reduce rated flow 10 percent for nitrile, FKM and EPDM standard impellers. Reduce rated flow 15 percent for nitrile, FKM and EPDM high-pressure impellers.

SPECIFICATIONS

VOLTAGE	60Hz - 230V and 460V AC, three phase, non-CE
MAX FLOW RATE	50 GPM (189 LPM)
MAX PRESSURE	Standard - 30 psi (2.1 bar) or 69' (21m) of head High - 60 psi (4.2 bar) or 138' (42m) of head
SELF-PRIMING	Neoprene/nitrile - 8-10' (2.4-3m) dry, 18-22' (5.5-6.7m) wet FKM/EPDM - 4-6' (1.2-1.8m) dry, 18-22' (5.5-6.7m) wet
PORTS	1-1/2" (38mm) NPTF
MOTOR	5 HP, TEFC AC induction type 184 TC-frame, C-face 6' (1.8m) power cord with 3-prong grounded plug Thermal overload protection
BODY	Stainless steel 316
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (15°C) to 180°F (82°C) EPDM - 45°F (7°C) to 185°F (85°C)
SHAFT	Stainless steel 316
SEAL	Mechanical carbon or tungsten carbide on ceramic
IMPELLER	Neoprene, nitrile, FKM, optional EPDM
DIMENSIONS	Pump and motor - 9" high x 10.4" long x 23-1/4" wide (227mm x 262mm x 586mm) Pump head - 9" high x 9" long x 8.3" wide (227mm x 227mm x 210mm) Pedestal mount - 5-3/4" high x 6.9" long x 11.6" wide (145mm x 174mm x 292mm)
WEIGHT	Pump and motor - 93.5lb (42.5kg) Pump head - 30lb (13.6kg) Pedestal mount - 21lb (9.5kg)

30540 Industrial Stainless Steel Pump



For pedestal-mount models operating at 1750 rpm, select a 5 HP or 7 HP motor for standard or high-pressure impellers, respectively, with an appropriate service factor. For standard-pressure impellers, the motor must supply 21ft-lbs or 38ft-lbs of torque minimum for forward and reverse operation, respectively. For high-pressure impellers, the motor must supply 28ft-lbs or 49ft-lbs of torque minimum for forward and reverse operation, respectively. Optional standard EPDM impeller kit (8963-0002) and high-pressure EPDM impeller kit (8600-0002).

Rated flow is based on standard neoprene impeller pumping water. Reduce rated flow 10 percent for nitrile, FKM, and EPDM standard and high-pressure impellers.

SPECIFICATIONS

MAX FLOW RATE	105 GPM (397 LPM)
MAX PRESSURE	Standard - 20 psi (1.4 bar) or 46' (14m) of lift High - 60 psi (4.2 bar) or 138' (42m) of lift
SELF-PRIMING	Neoprene/nitrile - 8-10' (2.4-3m) dry, 18-22' (5.5-6.7m) wet FKM/EPDM - 4-6' (1.2-1.8m) dry, 18-22' (5.5-6.7m) wet
PORTS	2" (51mm) NPTM
BODY	Stainless steel 316
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C) FKM - 60°F (15°C) to 180°F (82°C) EPDM - 45°F (7°C) to 185°F (85°C)
SHAFT	Stainless steel 316
SEAL	Mechanical carbon-on-ceramic or carbon-on-tungsten, nitrile or FKM
IMPELLER	Neoprene, nitrile, FKM, EPDM
DIMENSIONS	8-3/4" high x 7-1/2" long x 14-1/8" wide (223mm x 191mm x 359mm)
WEIGHT	8.5lb (3.9kg)

4720 Stainless Steel Utility Flex Pump



Use where stainless steel, self-priming, 11 GPM (41 LPM) flow, debris-tolerance, and portable 115V AC or 230V AC 60Hz operation is desired. A nitrile impeller is ideal for oil-based products. Use neoprene for water and general-purpose pumping. Motor is not explosion-proof. Do not run dry.

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
4720-0001	No	115V and 230V AC	Neoprene	MPU, pedestal
4720-0003	No	115V and 230V AC	Nitrile	MPU, pedestal

SPECIFICATIONS

VOLTAGE	60Hz - 115V and 230V AC, single phase, non-CE
MAX FLOW RATE	11 GPM (41 LPM)
MAX PRESSURE	21 psi (1.5 bar) or 50' (15.2m) of head
SELF-PRIMING	8-10' (2.4-3m) dry, 18-22' (5.5-6.7m) wet
PORTS	1/2" (13mm) NPTF
MOTOR	1/3 HP TEFC AC induction type 6' (1.8m) power cord with 3-prong grounded plug Thermal overload protection
BODY	Stainless steel
LIQUID TEMPERATURE RANGE	Neoprene - 45°F (7°C) to 180°F (82°C) Nitrile - 50°F (10°C) to 180°F (82°C)
SHAFT	Stainless steel 316
SEAL	Neoprene lip type
IMPELLER	Neoprene, nitrile
DIMENSIONS	8-1/4" high x 7-3/4" long x 13-1/8" wide (208mm x 195mm x 331mm)
WEIGHT	35lb (15.9kg)

04 Flexible Impeller Pumps

SANITARY INTRODUCTION



Flexible Impeller Hygienic Positive Displacement Pump

Jabsco hygienic flexible impeller pumps handle low- and high-viscosity liquids, gels and pastes, and can pass suspended soft and hard solids with minimal damage. The output-flow is smooth, steady and totally pulsation-free, and their gentle pumping action will not break down shear-sensitive or fragile liquids. Designed to be cleaned in place or easily strip-cleaned, Xylem Jabsco flexible impeller pumps frequently offer a more suitable and cost-effective alternative to many other pump types.

OPTIONS

PEDESTAL PUMPS

- Foot-mounted to couple to gearbox or belt-drive
- Hygienic rubber impeller
- Long-life mechanical shaft seal
- All 316 grade stainless steel parts with high-surface finish
- Used in food, dairy, beverage, healthcare and cosmetics sectors

MOTOR MOUNT PUMPS

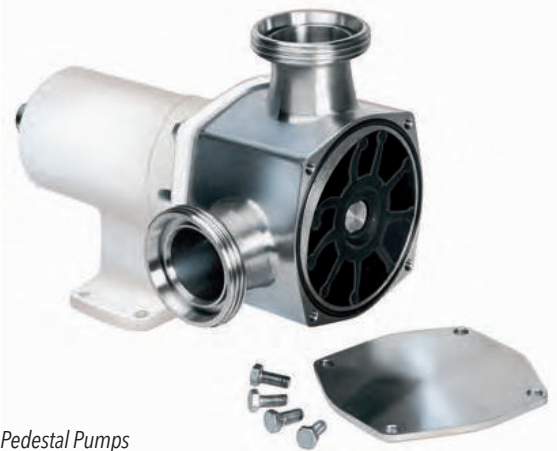
- Used in food, dairy, beverage, healthcare & cosmetics sectors
- Close-coupled to motor (unibloc); compact and economical
- Suitable for mounting onto standard IEC or NEMA motors
- Hygienic rubber impeller
- Long-life mechanical shaft seal
- All 316 grade stainless steel parts with high-surface finish

MILK TANKER PUMPS

- Specialized pumps for milk tanker loading at dairy farms
- Bulkhead-mounted for hydraulic drive
- Quick-release end-cover for winter drain-down and inspection
- Bypass option for effective CIP without the need to run the pump
- Hygienic rubber impeller

DESIGN FEATURES

- Dry self-priming
- All 316 stainless steel parts with high-surface finish
- Hygienic rubber impeller leaves no taste or odor
- Elastomers certified to US 3A standard 18-03
- Pump certified to US 3A standard 02-11
- Long-life mechanical shaft seal
- Easy strip-to-clean
- USDA approved
- Variety of port types and impeller material options
- Chemical-resistant 316 stainless steel parts
- Rugged heavy-duty construction
- Replaceable wearplates
- Passes even hard metal particles without stalling
- Long-life mechanical shaft seal
- Variety of shaft seal options
- 3A variants – must be specified with HYG neoprene or EPDM
- Port options – tri-clamp, IDF, 3A, DIN 11851
- EPDM/nitrile certified to EN1935:2004



Pedestal Pumps



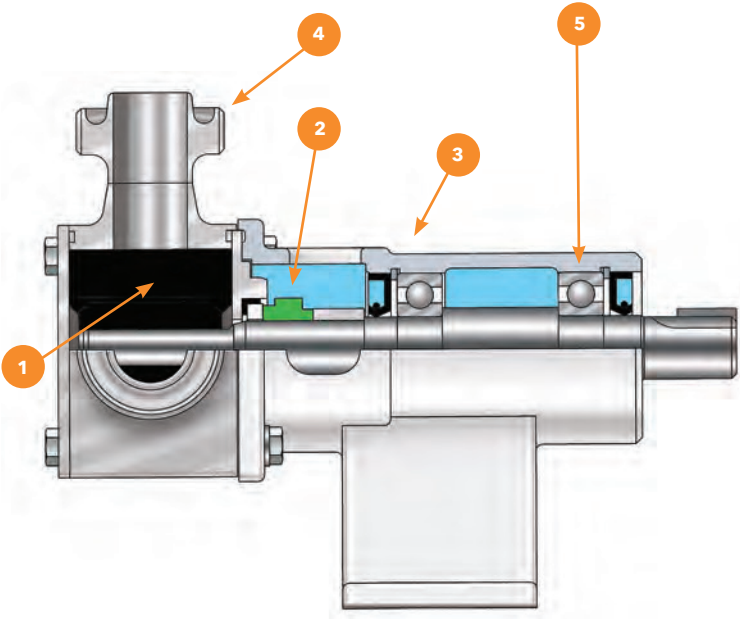
Motor Mount Pumps



Milk Tanker Pumps

FLEXIBLE IMPELLER

	MODEL 282X0 (30550)		MODEL 283X0 (30560)		MODEL 284X0 (30570)		MODEL 285X0 (30580)		MODEL 286X0 (N/A)	
SIZE	40		80		200		370		500	
MOUNTING	Pedestal	Head Kit	Pedestal	Head Kit	Pedestal	Head Kit	Pedestal	Head Kit	Pedestal	Head Kit
MAX FLOW RATE	15.3 GPM (58 LPM)	15.3 GPM (58 LPM)	33.8 GPM (128 LPM)	33.8 GPM (128 LPM)	59.5 GPM (225 LPM)	59.5 GPM (225 LPM)	96 GPM (365 LPM)	96 GPM (365 LPM)	132 GPM (500 LPM)	132 GPM (500 LPM)
MAX PRESSURE	43 psi (3 bar)	43 psi (3 bar)	65 psi (4.5 bar)	65 psi (4.5 bar)	65 psi (4.5 bar)	65 psi (4.5 bar)	43 psi (3 bar)	43 psi (3 bar)	58 psi (4 bar)	58 psi (4 bar)
MAX SPEED	2500 rpm	2500 rpm	2500 rpm	2500 rpm	1800 rpm	1800 rpm	1500 rpm	1500 rpm	1500 rpm	1500 rpm
PORTS	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1-1/4" (38mm)	1-1/4" (38mm)	2" (51mm)	2" (51mm)	2-1/4" (63mm)	2-1/4" (63mm)
LIQUID TEMPERATURE	Neoprene – 149°F (65°C), EPDM – 248°F (120°C)									
VISCOSITY	1–50,000 Cp									
DIMENSIONS	5.75" high x 6.5" long x 4.5" wide (146mm x 165mm x 114mm)	4.5" high x 4.5" long x 4.5" wide (114mm x 114mm x 114mm)	6.25" high x 8.5" long x 5" wide (159mm x 216mm x 127mm)	5" high x 5.25" long x 5" wide (127mm x 133mm x 127mm)	7" high x 10.25" long x 6.25" wide (178mm x 260mm x 159mm)	6.25" high x 6.5" long x 6.25" wide (159mm x 165mm x 159mm)	8.5" high x 13" long x 7.25" wide (216mm x 330mm x 184mm)	8.5" high x 7.5" long x 7.25" wide (216mm x 191mm x 184mm)	8.75" high x 18.75" long x 7.5" wide (222mm x 476mm x 191mm)	7.5" high x 9" long x 7.5" wide (191mm x 229mm x 191mm)
BARESHAF WEIGHT	6.4lb (2.9kg)	5.5lb (2.5kg)	9.7lb (4.4kg)	7.7lb (3.5kg)	20lb (9.1kg)	14.5lb (6.6kg)	32lb (14.7kg)	22lb (10kg)	48.5lb (22kg)	33lb (15kg)



CONSTRUCTION DETAILS

1. Food-grade rubber impeller available in neoprene, EPDM, and nitrile options which fully conform to today's stringent hygienic standards.
2. Wide variety of long-life, interchangeable seal types to suit many applications, making service & maintenance easy.
3. Choice of head kit or pedestal bearing housing satisfies the individual's requirement for unitization on larger models. Bulkhead-mounted pumps are available if the option of fitting to hydraulic drive is required.
4. Range of port options for maximum flexibility.
5. Long-life, high-specification bearings give over 1 million hours of life on a typical duty.

04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



28200 Series Stainless Steel Pedestal Pump & 28220 Head Kit Pump



FEATURES

- Self-primers from dry up to 7.8' (2.4m)
- Flows up to 10.5 GPM (40 LPM)
- Pressure up to 43.5 psi (3 bar)
- Handles soft solids - 0.3" (8 mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain
- EPDM/nitrile certified to EN1935:2004

SPECIFICATIONS

MAX PRESSURE	Standard - 36 psi (2.5 bar) High - 58 psi (4 bar)
PORTS	Model 28200 - 1" (25mm) tri-clamp, 1" (25mm) IDF/ISS, 1" (25mm) RJT to BS1864 Model 28220 - 1" (25mm) 3A bevel seat, 1" (25mm) DIN11851, 1" (25mm) SMS 1145
PUMP HEAD	Stainless steel 316, machined interior and electro-polished exterior finish
SHAFT	Stainless steel 316
SEAL	Carbon/ceramic mechanical face seal, tungsten carbide/ceramic hard faced seal, flushed options for crystalizing fluids Food grade nitrile elastomer
BEARINGS	Twin single row, ball type
END COVER	Stainless steel 316
IMPELLER	3A food grade neoprene or EDPM
WEIGHT	6.4lb (2.9kg)

28300 Series Stainless Steel Pedestal Pump & 28320 Head Kit Pump



FEATURES

- Self-primers from dry up to 16.4' (5m)
- Flows up to 21.2 GPM (80 LPM)
- Pressure up to 58 psi (4 bar)
- Handles soft solids - 0.47" (12mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80
- Easy to service and maintain
- EPDM/nitrile certified to EN1935:2004

SPECIFICATIONS

MAX PRESSURE	Standard - 36 psi (2.5 bar) High - 58 psi (4 bar)
PORTS	Model 28300 - 1" (25mm) tri-clamp, 1" (25mm) IDF/ISS, 1" (25mm) RJT to BS1864 Model 28320 - 1" (25mm) 3A bevel seat, 1" (25mm) (DIN11851), 1" (25mm) SMS 1145
PUMP HEAD	Stainless steel 316, machined interior and electro-polished exterior finish
SHAFT	Model 28300 - stainless steel 316 Model 28320 - stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical face seal, tungsten carbide/ceramic hard faced seal, flushed options for crystalizing fluids Food grade nitrile elastomer
BEARINGS	Model 28300 - greased ball bearings with epoxy-coated, cast iron housing Model 28320 - uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Stainless steel 316
IMPELLER	3A neoprene or EDPM
WEIGHT	Model 28300 - 7.7lb (3.5kg) Model 28320 - 9.7lb (4.4kg)

28400 Series Stainless Steel Pedestal Pump & 28420 Head Kit Pump



FEATURES

- Self-primers from dry up to 16.4' (5m)
- Flows up to 52.8 GPM (200 LPM)
- Pressure up to 58 psi (4 bar)
- Handles soft solids - 0.63" (16 mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 90 (model 28420)
- Easy to service and maintain
- EPDM/nitrile certified to EN1935:2004

SPECIFICATIONS

MAX PRESSURE	Standard - 36 psi (2.5 bar) High - 58 psi (4 bar)
PORTS	1-1/4" (38mm) tri-clamp 1-1/4" (38mm) IDF/ISS 1-1/4" (38mm) RJT to BS1864 1-1/4" (38mm) 3A bevel seat 1.6" (40mm) DIN11851 1-1/4" (38mm) SMS 1145
PUMP HEAD	Stainless steel 316, machined interior and electro-polished exterior finish
SHAFT	Model 28400 - stainless steel 316 Model 28420 - stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical face seal, tungsten carbide/ceramic hard faced seal, flushed options for crystalizing fluids Food grade nitrile elastomer
BEARINGS	Model 28400 - greased ball bearings with epoxy-coated, cast iron housing Model 28420 - uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Stainless steel 316
IMPELLER	3A neoprene or EDPM
WEIGHT	Model 28400 - 20lb (9.1kg) Model 28420 - 14.6lb (6.6kg)

04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



28500 Series Stainless Steel Pedestal Pump & 28520 Head Kit Pump



FEATURES

- Self-primers from dry up to 14.8' (4.5m)
- Flows up to 94 GPM (365 LPM)
- Pressure up to 43.5 psi (3 bar)
- Handles soft solids – 0.7" (18mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80 (model 28520)
- Easy to service and maintain
- EPDM/nitrile certified to EN1935:2004

SPECIFICATIONS

MAX PRESSURE	Standard – 36 psi (2.5 bar) High – 43.5 psi (3 bar)
PORTS	2" (51mm) tri-clamp 2" (51mm) IDF/ISS 2" (51mm) RJT to BS1864 2" (51mm) 3A bevel seat 1.97" (50mm) DIN11851 2" (51mm) SMS 1145
PUMP HEAD	Stainless steel 316, machined interior and electro-polished exterior finish
SHAFT	Model 28500 – stainless steel 316 Model 28520 – stainless steel 316, shaft extension
SEAL	Carbon/ceramic mechanical face seal, tungsten carbide/ceramic hard faced seal, flushed options for crystalizing fluids Food grade nitrile elastomer
BEARINGS	Model 28500 – greased ball bearings with epoxy-coated, cast iron housing Model 28520 – uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Stainless steel 316
IMPELLER	3A neoprene or EDPM
WEIGHT	Model 28500 – 32.4lb (14.7kg) Model 28520 – 22lb (10kg)

28600 Series Stainless Steel Pedestal Pump & 28620 Head Kit Pump



FEATURES

- Self-primers from dry up to 16.4' (5m)
- Flows up to 137.4 GPM (520 LPM)
- Pressure up to 58 psi (4 bar)
- Handles soft solids – 0.7" (18mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 90 (model 28420)
- Easy to service and maintain

SPECIFICATIONS

MAX PRESSURE	Standard – 29 psi (2 bar) High – 72.1 psi (5 bar)
PORTS	2-1/4" (57mm) tri-clamp 2-1/4" (57mm) IDF/ISS 2-1/4" (57mm) RJT to BS1864 2-1/4" (57mm) 3A bevel seat 2.6 (66mm) DIN11851 2-1/4" (57mm) SMS 1145
PUMP HEAD	Stainless steel 316, machined interior and electro-polished exterior finish
SHAFT	Model 28260 – stainless steel 316, shaft extension Model 28620 – requires motor with special shaft
SEAL	Carbon/ceramic mechanical face seal, tungsten carbide/ceramic hard faced seal, flushed options for crystalizing fluids Food grade nitrile elastomer
BEARINGS	Model 28600 – greased ball bearings with epoxy-coated, cast iron housing Model 28620 – uses motor bearings with epoxy-coated, cast iron motor adapter
END COVER	Stainless steel 316
IMPELLER	3A neoprene
WEIGHT	Model 28600 – 48.5lb (22kg) Model 28620 – 33lb (15kg)

04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



30550 Series Sanitary Flexible Impeller Pump



FEATURES

- Flow rate: nominal 10.5 GPM (40 LPM) at 1750 rpm
- Self-priming from dry up to 7.8' (2.4m)
- Pressure up to 58 psi (4 bar)
- Handles soft solids - 0.3" (8mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Easy to service and maintain

SPECIFICATIONS

PUMP DESIGN	Pedestal pump, pump head, close-coupled
PORTS	1" (25mm) ACME threads with bevel seat or clamp type
MOTOR	60Hz - 115V AC, single phase, 1/4 HP, 1750 RPM, TEFC, C-face, 56 C-frame
BODY	Stainless steel 316
SHAFT	Pedestal - stainless steel 316 Pump head/close-coupled - stainless steel 316 motor
SEAL	Mechanical carbon-on-ceramic or tungsten carbide, nitrile
IMPELLER	Neoprene or EPDM
WEIGHT	Pedestal - 5.5lb (2.5kg) Pump head - 7.5lb (3.4kg) Close-coupled - 36lb (16.3kg)



30560 Series Sanitary Flexible Impeller Pump



FEATURES

- Flow rate: nominal 21.5 GPM (81 LPM) at 1750 rpm
- Self-priming from dry up to 7.8' (2.4m)
- Pressure up to 58 psi (4 bar)
- Handles soft solids - 0.47" (12 mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Easy to service and maintain

SPECIFICATIONS

PUMP DESIGN	Pedestal pump, pump head, close-coupled
PORTS	1" (25mm) ACME threads with bevel seat or clamp type
MOTOR	60Hz - 115V and 230V AC, single phase, 1-1/4 HP, H145 TC-frame, C-face, 1740 rpm, TEFC, overload protected, capacitor start, non-CE
BODY	Stainless steel 316
SHAFT	Stainless steel 316 Motor - stainless steel 316
SEAL	Mechanical carbon-on-ceramic or tungsten carbide, nitrile
IMPELLER	Neoprene or EPDM
WEIGHT	Pedestal - 8.5lb (3.9kg) Pump head - 12lb (5.5kg) Close-coupled - 56lb (25.4kg)



30570 Series Sanitary Flexible Impeller Pump



FEATURES

- Flow rate - nominal 51 GPM (193 LPM) at 1750 rpm
- Self-priming from dry up to 7.8' (2.4m)
- Pressure up to 58 psi (4 bar)
- Handles soft solids - 0.63" (16mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Easy to service and maintain

SPECIFICATIONS

PUMP DESIGN	Pedestal pump, pump head, close-coupled
PORTS	1-1/4" (38mm) ACME threads with bevel seat or clamp type
MOTOR	60Hz - 230V and 460V AC, Three phase, 5 HP 1750 rpm, TEFC, C-face, 184 TC-frame, non-CE
BODY	Stainless steel 316
SHAFT	Stainless steel 316 Motor - stainless steel 316
SEAL	Mechanical carbon-on-ceramic or tungsten carbide, nitrile
IMPELLER	Neoprene or EPDM
WEIGHT	Pedestal - 21lb (9.5kg) Pump head - 30lb (18.6kg) Close-coupled - 93.5lb (42.5kg)



30580 Series Sanitary Flexible Impeller Pump



FEATURES

- Flow rate - nominal 105 GPM (397 LPM) at 1750 rpm
- Self-priming from dry up to 7.8' (2.4m)
- Pressure up to 58 psi (4 bar)
- Handles soft solids - 0.7" (18mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Handles viscosities up to 50,000 cP
- Minimal shear to thixotropic fluids
- Easy to service and maintain

SPECIFICATIONS

PUMP DESIGN	Pedestal pump
PORTS	2" (51mm) ACME threads with bevel seat or clamp type
BODY	Stainless steel 316
SHAFT	Stainless steel 316
SEAL	Mechanical carbon-on-ceramic or tungsten carbide, nitrile
IMPELLER	Neoprene or EPDM
WEIGHT	31lb (14.1kg)



04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



22060 Bulkhead/Milk Tanker Pump



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
22060-10-5205	Yes	N/A	Sanitary neoprene	Flange, stainless

FEATURES

- Flow rate – nominal 128 GPM (484 LPM) at 1450 rpm
- Self-priming from dry up to 7.8' (2.4m)
- Pressure up to 36.3 psi (2.5 bar)
- Handles soft solids – 0.7" (18mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain

SPECIFICATIONS

PORTS	2-1/4" (57mm) tri-clamp 2-1/4" (57mm) IDF/ISS 2-1/4" (57mm) RJT to BS1864 2-1/4" (57mm) 3A bevel seat 2.6" (66mm) DIN11851 2-1/4" (57mm) SMS1145
BODY	Stainless steel 316
SHAFT	Stainless steel 316
SEAL	Carbon/ceramic mechanical, food grade nitrile elastomer
BEARINGS	Twin single row, ball type with stainless steel 316 housing
IMPELLER	3A food grade neoprene
WEIGHT	50lb (23kg)

23930 Bulkhead/Milk Tanker Pump



MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
23930-5115	Yes	N/A	3A neoprene	Flange, stainless

FEATURES

- Flow rate – nominal 185 GPM (700 LPM) at 1750 rpm
- Self-priming from dry up to 7.8' (2.4m)
- Pressure up to 21.7 psi (1.5 bar)
- Handles soft solids – 0.7" (18mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain

SPECIFICATIONS

PORTS	2-1/4" (57mm) tri-clamp 2-1/4" (57mm) IDF/ISS 2-1/4" (57mm) RJT to BS1864 2-1/4" (57mm) 3A bevel seat 2.6" (66mm) DIN11851 2-1/4" (57mm) SMS1145
BODY	Stainless steel 316
SHAFT	Stainless steel 316
SEAL	Carbon/ceramic mechanical, food grade nitrile elastomer
BEARINGS	Twin single row, ball/roller type with stainless steel 316 housing
IMPELLER	3A food grade neoprene
WEIGHT	53lb (24kg)

15170 Bulkhead/Milk Tanker Pump



FEATURES

- Flow rate up to 90 GPM (397 LPM)
- Self-priming from dry up to 7.8' (2.4m)
- Pressure up to 21.7 psi (1.5 bar)
- Handles soft solids – 0.7" (18 mm) maximum diameter
- Certified to US 3A standard 02-11
- Clean-in-place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain

SPECIFICATIONS

PORTS	2" (51mm) ACME threads or 2" (51mm) tri-clamp
BODY	Stainless steel 316
SHAFT	Stainless steel 316
SEAL	Carbon/ceramic mechanical type, food grade nitrile elastomer
BEARINGS	Twin single row, ball type with stainless steel 316 housing
IMPELLER	3A food grade neoprene
WEIGHT	34lb (15.4kg)

MODELS

MODEL #	CE	VOLTAGE	IMPELLER	STYLE
15170-7365	Yes	N/A	Sanitary neoprene	2" (51mm) ACME threads
15170-0015	Yes	N/A	Sanitary neoprene	2" (51mm) clamp

04 Flexible Impeller Pumps

MODEL VARIANTS



53270 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
53270-2011	Yes	N/A	Neoprene	Head kit
53270-2013	Yes	N/A	Nitrile	Head kit

18610 BRONZE UTILITY PUMP				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
18610-0001	No	115V AC	Neoprene	ODP motor
18610-0003	No	115V AC	Nitrile	ODP motor
18610-0004	No	115V AC	FKM	ODP motor
18610-0271	No	115V AC	Neoprene	TEFC motor
18610-0273	No	115V AC	Nitrile	TEFC motor
18610-0274	No	115V AC	FKM	TEFC motor

11810 BRONZE AC UTILITY PUMP				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
11810-0001	No	115V AC	Neoprene	ODP motor
11810-0003	No	115V AC	Nitrile	ODP motor
11810-0011	No	115V AC	Neoprene	TEFC motor
11810-0013	No	115V AC	Nitrile	TEFC motor

2760 BRONZE PEDESTAL PUMP				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
2760-0001	Yes	N/A	Neoprene	Pedestal
2760-0003	Yes	N/A	Nitrile	Pedestal

2620 BRONZE PEDESTAL PUMP				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
2620-1101	Yes	N/A	Neoprene	Pedestal
2620-1103	Yes	N/A	Nitrile	Pedestal

777 BRONZE PEDESTAL FLEXIBLE IMPELLER PUMP				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
777-0001	Yes	N/A	Neoprene	Pedestal
777-0003	Yes	N/A	Nitrile	Pedestal
777-9001	Yes	N/A	Neoprene	Pedestal
777-9003	Yes	N/A	Nitrile	Pedestal
777-9051	Yes	N/A	Neoprene	Pedestal

1673 BRONZE PEDESTAL FLEXIBLE IMPELLER PUMP				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
1673-1001	Yes	N/A	Neoprene	Pedestal
1673-1003	Yes	N/A	Nitrile	Pedestal

6400 BRONZE PEDESTAL PUMP				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
6400-0004	Yes	N/A	Neoprene	Pedestal
6400-0008	Yes	N/A	Natural rubber	Pedestal
6400-0051	Yes	N/A	Neoprene	Pedestal

18370 BRONZE PEDESTAL PUMP & 52270 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
18370-0001	Yes	N/A	Neoprene	Pedestal, bronze
18370-0003	Yes	N/A	Nitrile	Pedestal, bronze
52270-2011	Yes	N/A	Neoprene	Pedestal, bronze
52270-2003	Yes	N/A	Nitrile	Pedestal, bronze
52270-0011	Yes	N/A	Neoprene	Pedestal, bronze
52270-0003	Yes	N/A	Nitrile	Pedestal, bronze

51510 & 51520 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
51510-2001	Yes	N/A	Neoprene	Pedestal, bronze
51510-9001	Yes	N/A	Neoprene	Pedestal, bronze
51520-2001	Yes	N/A	Neoprene	Pedestal, bronze
51520-9001	Yes	N/A	Neoprene	Pedestal, bronze

52040 & 52580 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
52040-2001	Yes	N/A	Neoprene	Pedestal, bronze
52040-2003	Yes	N/A	Neoprene	Pedestal, bronze
52040-2021	Yes	N/A	Neoprene	Pedestal, bronze
52580-2001	Yes	N/A	Neoprene	Pedestal, bronze
52580-2003	Yes	N/A	Nitrile	Pedestal, bronze
52580-2021	Yes	N/A	Neoprene	Pedestal, bronze
52580-9001	Yes	N/A	Neoprene	Pedestal, bronze
52580-9003	Yes	N/A	Nitrile	Pedestal, bronze
52580-9021	Yes	N/A	Neoprene	Pedestal, bronze

52200 & 52220 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
52200-2011	Yes	N/A	Neoprene	Pedestal, bronze
52200-2003	Yes	N/A	Nitrile	Pedestal, bronze
52200-2021	Yes	N/A	Neoprene	Pedestal, bronze
52220-2011	Yes	N/A	Neoprene	Pedestal, bronze
52220-2003	Yes	N/A	Nitrile	Pedestal, bronze
52220-2021	Yes	N/A	Neoprene	Pedestal, bronze

11860 & 11870 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
11860-0005	Yes	12V DC	Neoprene	Pedestal, clutch
11860-0006	Yes	24V DC	Neoprene	Pedestal, clutch
11860-0045	Yes	12V DC	Neoprene	Pedestal, clutch
11860-0051	Yes	24V DC	Neoprene	Pedestal, clutch
11870-0005	Yes	12V DC	Neoprene	Pedestal, clutch
11870-0006	Yes	24V DC	Neoprene	Pedestal, clutch
11870-0045	Yes	12V DC	Neoprene	Pedestal, clutch
11870-0046	Yes	24V DC	Neoprene	Pedestal, clutch

50580 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
50580-2001	Yes	12V DC	Nitrile	Clutch, bronze
50580-2101	Yes	24V DC	Nitrile	Clutch, bronze
50580-2201	Yes	12V DC	Nitrile	Clutch, bronze
50580-2301	Yes	24V DC	Nitrile	Clutch, bronze
50580-9001	Yes	12V DC	Nitrile	Clutch, bronze
50580-9101	Yes	24V DC	Nitrile	Clutch, bronze
50580-9201	Yes	12V DC	Nitrile	Clutch, bronze
50580-9301	Yes	24V DC	Nitrile	Clutch, bronze

50200 & 50220 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
50200-2011	Yes	12V DC	Nitrile	Clutch, bronze
50200-2111	Yes	24V DC	Nitrile	Clutch, bronze
50200-2211	Yes	12V DC	Nitrile	Clutch, bronze
50200-2311	Yes	24V DC	Nitrile	Clutch, bronze
50220-0011	Yes	12V DC	Nitrile	Clutch, bronze
50220-0111	Yes	24V DC	Nitrile	Clutch, bronze
50220-0211	Yes	12V DC	Nitrile	Clutch, bronze
50220-0311	Yes	24V DC	Nitrile	Clutch, bronze

18330 & 50270 SERIES				
MODEL #	CE	VOLTAGE	IMPELLER	STYLE
18330-0000	Yes	12V DC	Nitrile	Clutch, bronze
18330-0001	Yes	24V DC	Nitrile	Clutch, bronze
18330-0040	Yes	12V DC	Nitrile	Clutch, bronze
18330-0041	Yes	24V DC	Nitrile	Clutch, bronze
50270-0011	Yes	12V DC	Nitrile	Clutch, bronze
50270-0311	Yes	24V DC	Nitrile	Clutch, bronze
50270-0211	Yes	12V DC	Nitrile	Clutch, bronze
50270-0031	Yes	24V DC	Nitrile	Clutch, bronze
50270-2011	Yes	12V DC	Nitrile	Clutch, bronze
50270-2111	Yes	24V DC	Nitrile	Clutch, bronze
50270-2211	Yes	12V DC	Nitrile	Clutch, bronze
50270-2311	Yes	24V DC	Nitrile	Clutch, bronze

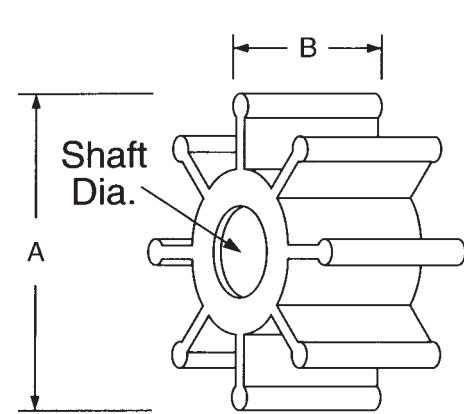
For the full range of Jabsco pumps series variants, including 305 series, please contact a sales representative.

04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE



Flexible Impeller Compounds



- 1

SLOTTED SHAFT
PIN DRIVE
- 2

THROUGH HOLE
PIN DRIVE
- 3

KEY DRIVE
- 4

SINGLE
FLAT DRIVE
- 5

DOUBLE
FLAT DRIVE
- 6

DING DRIVE
KEYWAY
- 7

SPLINE
DRIVE
- 8

RIBBED
SEGMENT KEY

- Jabco flexible impellers are available in the following materials:
- Neoprene is the standard impeller material used in most flexible impeller pumps. It offers a wide range of chemical-resistant properties. Temperature range: see product specification chart.
 - Nitrile impellers offer compatibility with oil products. It handles a wide range of oils, oil and water emulsions, diesel fuel, lower-fraction hydrocarbons, kerosene, and lubricating and machine-cutting oil. Lower temperatures affect priming ability and performance characteristics. Generally, nitrile performance is 10 percent below that of neoprene. Temperature range: 50°F (10°C) to 180°F (82.2°C).
 - FKM impellers are recommended when pumping hydrocarbons, solvents and severely corrosive chemicals. FKM is not recommended for low-temperature or high-pressure applications. Temperature range: 60°F (15.6°C) to 180°F (82.2°C).
 - Sanitary neoprene impellers are used in hygienic flexible impeller pumps for applications such as pumping food, beverage and pharmaceutical products. Temperature range: 45°F (7.2°C) to 165°F (73.9°C).
 - Natural rubber impellers are used in cold-water applications. Temperature range: 22°F (-5.6°C) to 120°F (48.9°C).
 - Sanitary EPDM impellers are used for elevated-temperature, hygienic applications up to 185°F (85°C). EPDM is compatible with some ketone solvents. Temperature range: 60°F (15.6°C) to 185°F (85°C).

Flexible Impeller Cross-Reference

IMPELLER #	SILHOUETTE	IMPELLER #	SILHOUETTE	IMPELLER #	SILHOUETTE	IMPELLER #	SILHOUETTE	IMPELLER #	SILHOUETTE
4527-0001	G	6760-0003	O	8980-0005	L	14282-0003	M	17370-0001	Q
-0003	G	7273-0001	G	8981-0002	M	-0004	M	17486-0001	H
4528-0001	D	-0003	G	-0005	M	14346-0002	Q	17935-0001	Q
-0003	D	-0004	G	8983-0002	P	-0003	Q	17936-0001	Q
4568-0001	K	7614-0002	K	-0003	P	-0004	Q	17937-0001	Y
-0003	K	-0005	K	-0004	P	-0005	Q	17956-0001	Y
4598-0001	M	8500-0005	AA	-0005	P	14609-0001	C	18018-0001	O
-003	K	8600-0002	V	8984-0005	R	-0003	C	18673-0001	I
5606-0001	G	-0003	V	9200-0001	F	14750-0001	B	-0003	I
-0003	G	-0005	V	-0003	F	-0003	B	18786-0001	R
-0004	G	8713-0005	U	-0021	F	14787-0001	C	-0003	R
5616-0001	G	8840-0002	N	-0023	F	-0003	C	18815-0001	L
5915-0001	N	-0004	N	11979-0001	M	14792-0001	A	18838-0001	W
5929-0001	K	-0005	N	12104-0001	A	-0003	A	18948-0001	X
-0003	K	-0006	N	12326-0001	M	14868-0001	M	21899-0005	U
6056-0003	M	8963-0002	S	-0003	M	14874-0001	I	22120-0001	K
6174-0001	K	-0005	S	14281-0001	K	-0003	I		
-0003	K	8980-0002	L	-0003	K	-0004	I		
6303-0001	H	-0003	L	-0004	K	17255-0003	D		
-0003	H	-0004	L	14282-0001	M	17273-0004	I		

IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIAMETER	INSERT MATERIALS	REMARKS
				A	B			

SILHOUETTE A

1414-0001	Neoprene	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	BR	
-0003	Nitrile	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	BR	
12104-0001	Neoprene	2	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	BR	Onan (use 6-32 x 5/8 HDL's screw)
14792-0001	Neoprene	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	SS	
-0003	Nitrile	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	SS	

SILHOUETTE B

14750-0001	Neoprene	4	8	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	BR	
-0003	Nitrile	4	8	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	BR	

SILHOUETTE C

14609-0001	Neoprene	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	BR	
-0003	Nitrile	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	BR	
14787-0001	Neoprene	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	PL	
-0003	Nitrile	4	6	1-1/4" (32mm)	0.47" (12mm)	5/16" (8mm)	PL	

SILHOUETTE D

4528-0001	Neoprene	1 or 2	6	1.6" (40mm)	1/4" (6mm)	3/8" (10mm)	BR	Was AL - 24
-0003	Nitrile	1 or 2	6	1.6" (40mm)	1/4" (6mm)	3/8" (10mm)	BR	Was AL - 24, 37
17255-0003	Nitrile	N/A	6	1.6" (40mm)	1/4" (6mm)	1/4" (6mm)		Impeller molded on shaft

SILHOUETTE F

9200-0001	Neoprene	4	10	1.6" (40mm)	1/4" (6mm)	5/16" (8mm)	PL	Was brass insert
-0003	Nitrile	4	10	1.6" (40mm)	1/4" (6mm)	5/16" (8mm)	PL	Was brass insert
-0021	Neoprene	4	10	1.6" (40mm)	1/4" (6mm)	5/16" (8mm)	BR	
-0023	Nitrile	4	10	1.6" (40mm)	1/4" (6mm)	5/16" (8mm)	BR	

SILHOUETTE G

1133-0001	Neoprene	1 or 2	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	SS	
-0003	Nitrile	1 or 2	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	SS	
3398-0001	Neoprene	2	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	None	
-0003	Nitrile	2	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	None	
-0004	FKM	2	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	None	
4527-0001	Neoprene	2	6	2" (51mm)	7/8" (22mm)	5/16" (8mm)	None	
-0003	Nitrile	2	6	2" (51mm)	7/8" (22mm)	5/16" (8mm)	None	
5606-0001	Neoprene	6	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	SS	SS extended drive cup
-0003	Nitrile	6	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	SS	SS extended drive cup
-0004	FKM	6	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	SS	SS extended drive cup
5616-0001	Neoprene	6	6	2" (51mm)	7/8" (22mm)	1/4" (6mm)	BR	Brass extended drive cup
7273-0001	Neoprene	4	6	2" (51mm)	7/8" (22mm)	5/16" (8mm)	PL	
-0003	Nitrile	4	6	2" (51mm)	7/8" (22mm)	5/16" (8mm)	PL	

SILHOUETTE H

6303-0001	Neoprene	4	6	2" (51mm)	7/8" (22mm)	5/16" (8mm)	PL	
-0003	Nitrile	4	6	2" (51mm)	7/8" (22mm)	5/16" (8mm)	PL	
17486-0001	Neoprene	6	6	2" (51mm)	7/8" (22mm)	1/4" (6mm))	BR	Brass extended drive cup

INSERT MATERIALS: BR = Bronze SS = Stainless Steel PL = Epoxy Plastic

04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE



IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIAMETER	INSERT MATERIALS	REMARKS
				A	B			

SILHOUETTE I

14874-0001	Neoprene	5	10	2" (51mm)	7/8" (22mm)	5/8" (16mm)	PL	
-0003	Nitrile	5	10	2" (51mm)	7/8" (22mm)	5/8" (16mm)	PL	
-0004	FKM	5	10	2" (51mm)	7/8" (22mm)	1/4" (6mm)	PL	
17273-0004	FKM	4	10	2" (51mm)	7/8" (22mm)	5/16" (8mm)	PL	
18673-0001	Neoprene	1 or 2	10	2" (51mm)	7/8" (22mm)	1/4" (6mm)	PL	Replaces 673-0001
-0003	Nitrile	1 or 2	10	2" (51mm)	7/8" (22mm)	1/4" (6mm)	PL	Replaces 673-0003

SILHOUETTE K

1210-0001	Neoprene	7	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	BR	
-0003	Nitrile	7	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	BR	
4568-0001	Neoprene	3	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	BR	
-0003	Nitrile	3	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	BR	
5929-0001	Neoprene	6	12	2-1/4" (57mm)	1-1/4" (32mm)	1/4" (6mm)	BR	SS drive cup
-0003	Nitrile	6	12	2-1/4" (57mm)	1-1/4" (32mm)	1/4" (6mm)	BR	SS drive cup
6174-0001	Nitrile	6	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	SS	SS drive cup
-0003	Nitrile	6	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	SS	SS drive cup
7614-0002	EPDM	5	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	Sanitary
-0005	Neoprene	5	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	Sanitary
14281-0001	Neoprene	5	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	
-0003	Nitrile	5	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	
-0004	FKM	5	12	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	
22120-0001	Neoprene	7	12	2-1/4" (57mm)	2" (51mm)	5/8" (16mm)	BR	

SILHOUETTE L

3085-0001	Neoprene	7	10	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	BR	
8980-0001	Neoprene	5	10	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	
-0002	EPDM	5	10	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	Sanitary
-0003	Nitrile	5	10	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	
-0004	FKM	5	10	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	
-0005	Neoprene	5	10	2-1/4" (57mm)	1-1/4" (32mm)	5/8" (16mm)	PL	Sanitary
18815-0001	Neoprene	6	10	2-1/4" (57mm)	1-1/4" (32mm)	1/4" (6mm)	BR	SS drive cup

SILHOUETTE M

920-0001	Neoprene	7	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	
-0003	Nitrile	7	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	
-0008	Natural rubber	7	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	For temperature range 27°F (-3°C) to 120°F (49°C)
964-0001	Neoprene	7	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	
-0003	Nitrile	7	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	
4598-0001	Neoprene	3	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	
-0003	Nitrile	3	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	
6056-0003	Nitrile	6	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	SS drive cup
8981-0002	EPDM	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	Sanitary
-0005	Neoprene	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	Sanitary
11979-0001	Neoprene	7	8	2-9/16" (65mm)	1-7/16" (36mm)	5/8" (16mm)	BR	
12326-0001	Neoprene	6	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	SS	SS drive cup
-0003	Nitrile	6	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	SS	SS drive cup
14282-0001	Neoprene	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	
-0003	Nitrile	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	
-0004	FKM	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	

IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIAMETER	INSERT MATERIALS	REMARKS
				A	B			

SILHOUETTE N

5915-0001	Neoprene	7	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	
8840-0002	EPDM	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	Sanitary
-0003	Nitrile	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	
-0004	FKM	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	
-0005	Neoprene	5	8	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	Sanitary

SILHOUETTE O

331-0001	Neoprene	7	9	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	
836-0001	Neoprene	7	9	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	BR	
-0003	Nitrile	7	9	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	BR	
-0008	Natural rubber	7	9	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	BR	
6760-0003	Nitrile	7	9	3-1/4" (83mm)	3-1/4" (83mm)	1" (25mm)	BR	
18018-0001	Neoprene	7	9	3-1/4" (83mm)	3-1/4" (83mm)	1" (25mm)	SS	SS inserted 331-0001

SILHOUETTE P

8983-0003	Nitrile	5	10	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	
-0004	FKM	5	10	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	
-0005	Neoprene	5	10	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	Sanitary

SILHOUETTE Q

14346-0002	EPDM	5	12	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	Sanitary
-0003	Nitrile	5	12	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	
-0004	FKM	5	12	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	
-0005	Neoprene	5	12	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	PL	Sanitary
17370-0001	Neoprene	5	12	3-1/4" (83mm)	3-1/4" (83mm)	1" (25mm)	PL	
17935-0001	Neoprene	7	12	3-1/4" (83mm)	2-1/4" (57mm)	1" (25mm)	BR	
17936-0001	Neoprene	7	12	3-1/4" (83mm)	3-1/4" (83mm)	1" (25mm)	BR	

SILHOUETTE R

8984-0005	Neoprene	5	9	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	Sanitary
18786-0001	Neoprene	5	9	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	
-0003	Nitrile	5	9	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	
-0004	FKM	5	9	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	

SILHOUETTE S

8963-0002	EPDM	5	9	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	Sanitary
-0005	Neoprene	5	9	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	Sanitary

SILHOUETTE U

2999-0001	Neoprene	7	13	5" (127mm)	4" (102mm)	1-1/4" (32mm)	BR	
21899-0005	Neoprene	5	13	5" (127mm)	4" (102mm)	1-1/4" (32mm)	PL	Sanitary
8713-0005	Neoprene	5	13	5" (127mm)	5-1/4" (133)	1-1/4" (32mm)	PL	Sanitary

INSERT MATERIALS: BR = Bronze SS = Stainless Steel PL = Epoxy Plastic

04 Flexible Impeller Pumps

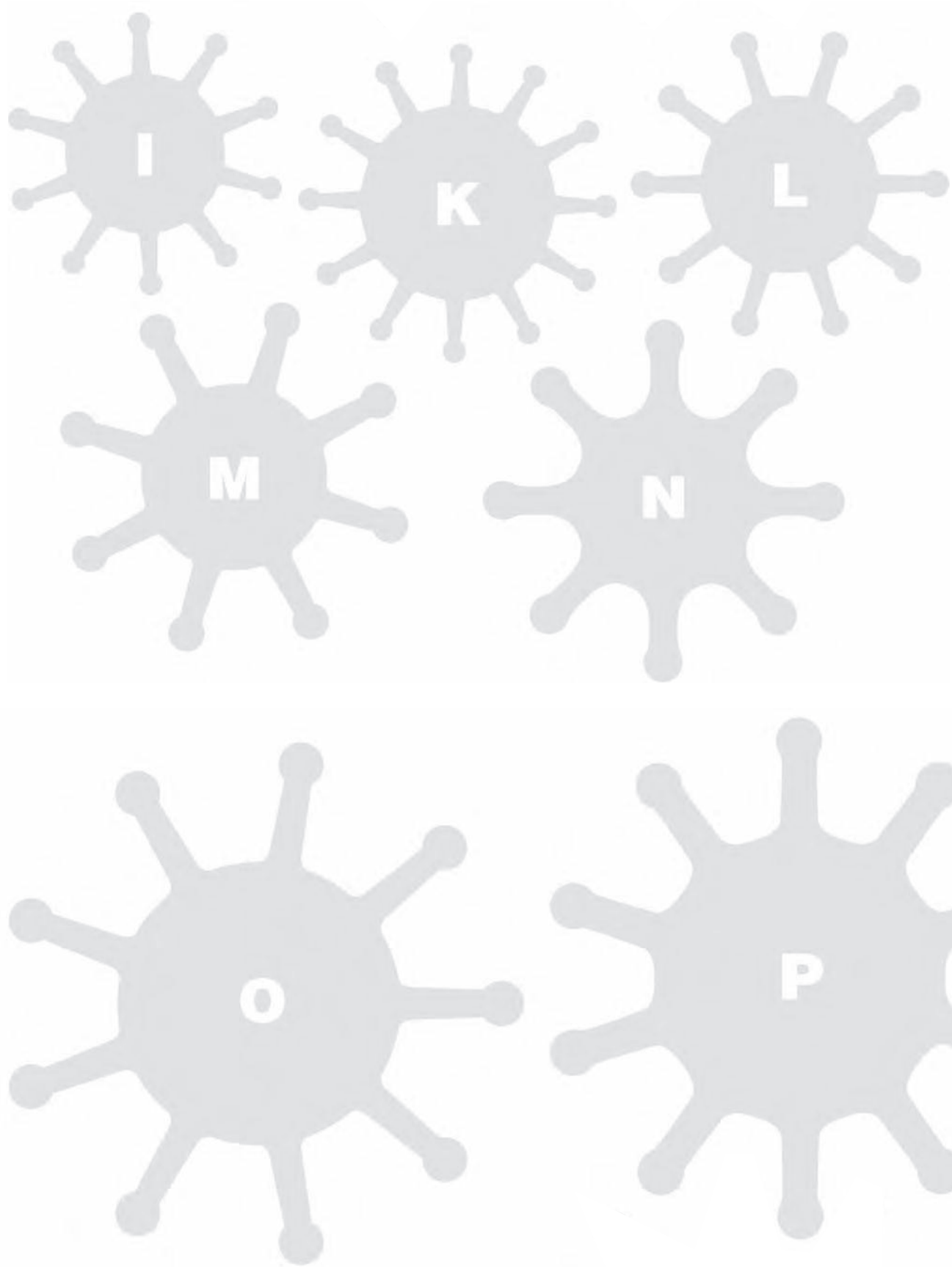
IMPELLER REPLACEMENT GUIDE



IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIAMETER	INSERT MATERIALS	REMARKS
				A	B			
SILHOUETTE V								
8600-0003	Nitrile	5	12	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	Sanitary
-0005	Neoprene	5	12	4-5/8" (117mm)	3-1/4" (83mm)	1" (25mm)	PL	
SILHOUETTE W								
18838-0001	Neoprene	3	12	2-7/16" (62mm)	1-1/4" (32mm)	5/8" (16mm)	BR	
SILHOUETTE X								
18948-0001	Neoprene	3	12	2-9/16" (65mm)	1-5/8 (41mm)	5/8" (16mm)	BR	
SILHOUETTE Y								
17937-0001	Neoprene	7	10	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	SS drive cup, replaces 6056-0001
17956-0001	Neoprene	6	10	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	BR	
17981-0005	Neoprene	5	10	2-9/16" (65mm)	2" (51mm)	5/8" (16mm)	PL	Sanitary
SILHOUETTE AA								
8500-0005	Neoprene	5	12	5" (127mm)	4" (102mm)	1-1/4" (32mm)	PL	Sanitary

INSERT MATERIALS: BR = Bronze SS = Stainless Steel PL = Epoxy Plastic

Flexible Impeller Actual-Size Reference



04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE



Flexible Impeller Actual-Size Reference

