

AAISDIMENSIONAL • NEODYMIUM MAG DRIVES • PLASTIC & STAINLESS STEEL CENTRIFUGALS & DRUM/BARREL PUMPS

Solid Solutions for Industrial Fluid Handling



FINISH THOMPSON INC.

An ISO 9001 Company

www.finishthompson.com

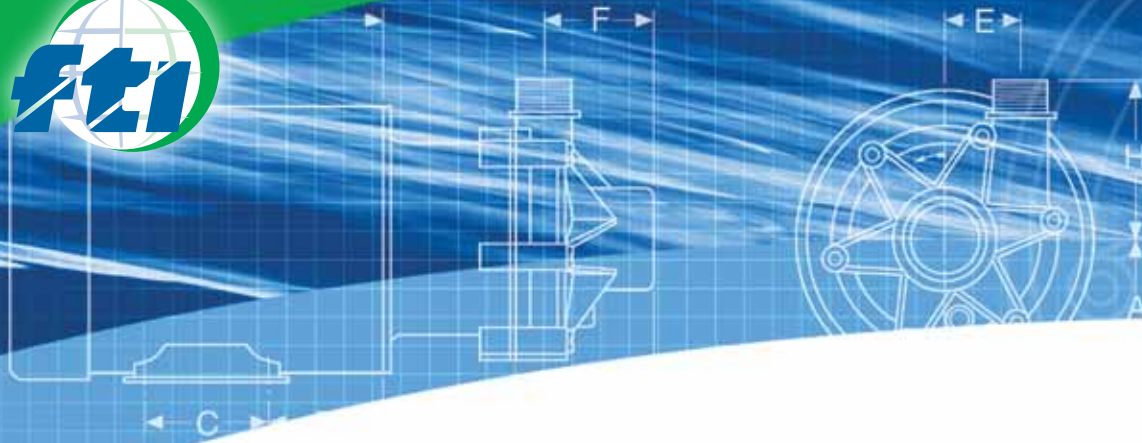


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Finish Thompson Inc. is a designer and manufacturer of industrial pumps, solvent and engine coolant recyclers and coolant changers. FTI products are manufactured on site in Erie, Pennsylvania, U.S.A. and marketed worldwide through an international network of stocking distributors.

From its beginning in 1951 as a designer and builder of custom decorating equipment, to its current position as a leading supplier of fluid transfer pumps and recycling systems for the fluid handling and environmental markets, Finish Thompson has proven to be highly intuitive in projecting and reacting to changing market demands.



Pump Selector Applications

Finish Thompson has online selectors for both drum and centrifugal pumps. Visit www.finishthompson.com and click on the appropriate selector button.

The **centrifugal pump selector** utilizes hydraulic and other application criteria to quickly search our vast selection of centrifugal pumps to find the ones that are most appropriate.

The **drum pump selector** allows the user to select from a list of common chemicals and it makes pump tube/motor recommendations that are appropriate for that chemical.

Custom Pump Group

Finish Thompson's Custom Pump Group quotes and builds pumps with modifications to existing designs. These modifications allow customers to exactly match their requirements whether for demanding, specialized OEM applications or a single pump for an end user application. If our standard pump offering does not fill your specific requirements, our Custom Pump Group may have a solution for your pumping application. Please contact FTI with your special modification requirements.

Magnetic Drive Pumps

DB Series Sealless Horizontal

DB, KC, Series



Models DB3, 4 & 5 Series



Models DB6,
6H, 7, 8, 9
& 10 Series



Models DB11
& DB15 Series



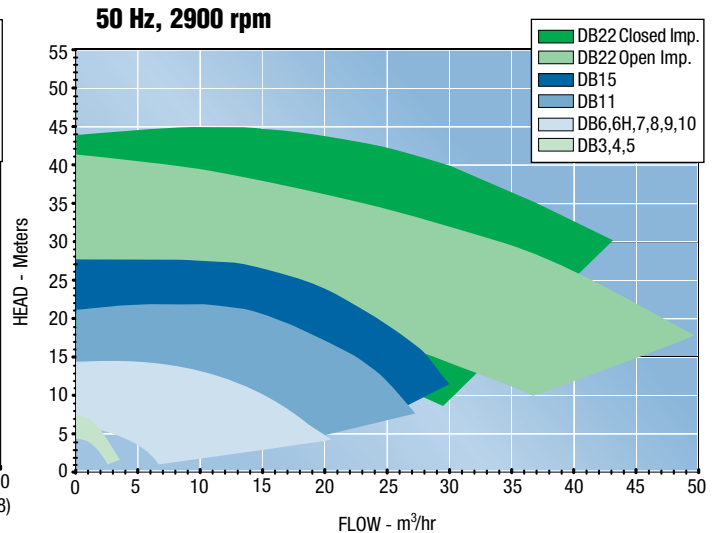
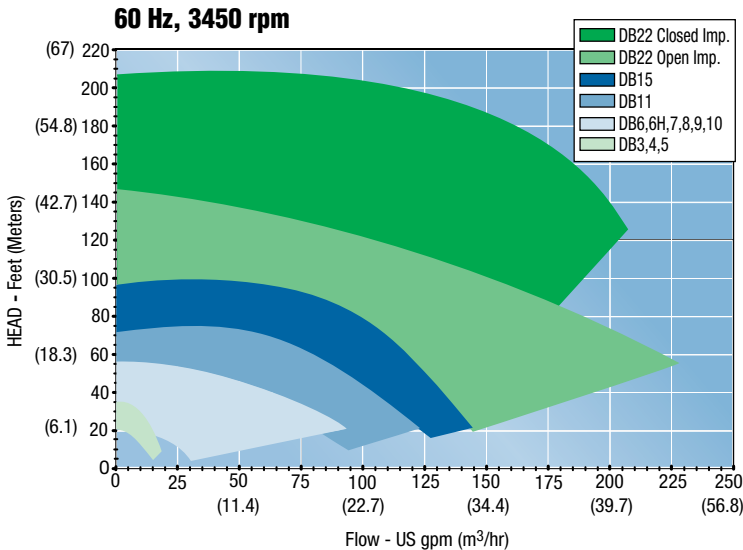
Model DB22

| | DB3 | DB4 | DB5 | DB6 | DB6H | DB7 | DB8 | DB9 | DB10 | DB11 | DB15 | DB22** |
|----------------------|---------|---------|---------|------------------|------------------------|---------------|------------------------|-----------|---------------------------|--|--------------------------------|--|
| HP* | 1/8 | 1/4 | 1/4 | 1/4 - 1/3 | 1/4 - 1/2 | 1/4 - 1/2 | 1/4 - 1/2 | 1/2 - 3/4 | 1/3 - 1 | 3/4 - 3 | 1 1/2 - 5 | 3 - 13 [†] |
| kW* | .09 | .19 | .19 | .18 - .25 | .18 - .37 | .18 - .37 | .25 - .55 | N/A | .25 - .75 | .75 - 1.5 | 1.1 - 4 | 3.5 - 6.1 |
| Imp. Dia. (in.) | 2.3 | 2.7 | 3.0 | 2.5, 2.75, 3 | 3.12, 3.38, 3.63, 3.88 | 2.75, 3, 3.18 | 2.88, 3.12, 3.38, 3.65 | 4.18 | 3, 3.25, 3.5, 3.75 | 3.63, 3.88, 4.13, 4.38, 4.63 | 4.25, 4.5, 4.75, 5, 5.13 | 4.5, 5, 5.5, 6, 6.5, 7, 7.25 |
| Imp. Dia. (cm) | 5.8 | 6.9 | 7.6 | 7, 7.6, 8.3, 8.9 | 8.9, 9.5, 10.2, 10.6 | 7.9, 8.6, 9.2 | 8.9, 9.5, 10.2, 10.6 | N/A | 8.3, 8.9, 9.5, 10.2, 10.6 | @ 50Hz 10.8, 11.4, 12.1, 12.7, 13.3 | @ 50Hz 12.7, 13.3, 14, 14.6 | 12.7, 13.9, 15.2, 16.5, 17.7, 18.1, 18.4 |
| Inlet x Outlet (in.) | 1 x 1/2 | 1 x 1/2 | 1 x 1/2 | 1 x 1 | 1 x 1 | 1 1/2 x 1 1/2 | 1 1/2 x 1 | 1 x 1 | 1 1/2 x 1 1/2 | 2 x 1 1/2 | 2 x 1 1/2 | 2 x 2 |
| Max. SG | 1.2 | 1.2 | 1.2 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm. HP(kW) calculations are at 1.0 SG.

**Open or closed impellers available. Impeller trims available every 1/8" between the smallest and largest diameters.

[†]Consult factory for applications over 10 Hp.



Features

- Magnetically coupled...no seals to replace
- 5-year warranty
- Excellent for highly aggressive liquids, chemicals, acids, caustics and corrosives
- Extended run dry capability with carbon bushing
- Up to 1.8 SG
- Working pressure to 90 psi (6.2 bar)
- Viscosity up to 150 cP
- Easy set, measurement free drive
- Back pull-out design for easy service
- ATEX certified models available

Construction

- Corrosion resistant polypropylene (180°F/82°C) or PVDF (220°F/104°C).
- Rare earth neodymium magnets
- FKM or EPDM o-rings standard; other options available
- Carbon, ceramic, PTFE, silicon carbide (SiC not available on DB3, 4, 5) bushings.
- TEFC, Chem Duty, EXP and 575V NEMA or IEC motors.
- ISO 1940 G2.5 balancing (not on DB3, 4, 5)
- NPT or BSP threaded, union, or flanged connections
- NPT or BSP only on DB3, 4, 5

Applications

- Chemical processing, bulk unload, transfer
- Plating recirculation/filtration, PCB etching/rinse
- Water/waste water treatment, wet scrubber
- Laboratory, pharmaceutical, photo processing

Typical Chemicals:

- Sodium hydroxide, sodium hypochlorite
- Sulfuric acid, hydrochloric acid, nitric acid
- Corrosive blends, solvents, waste water



Magnetic Drive Pumps

SP Series Sealless, Self-Prime

SP Series



Model SP10



Models SP11/SP15

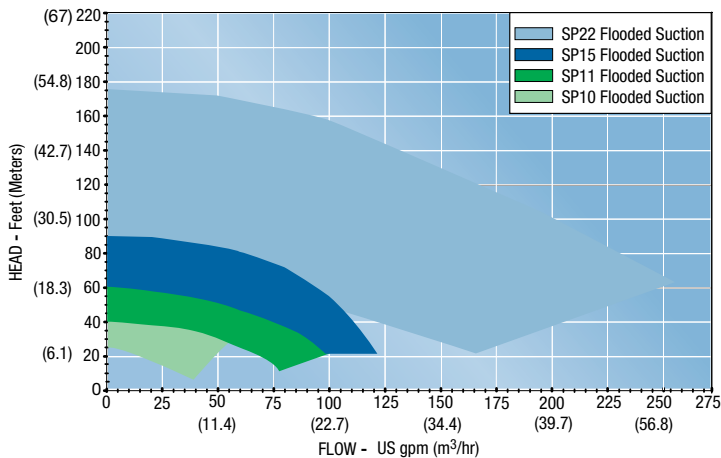


Model SP22

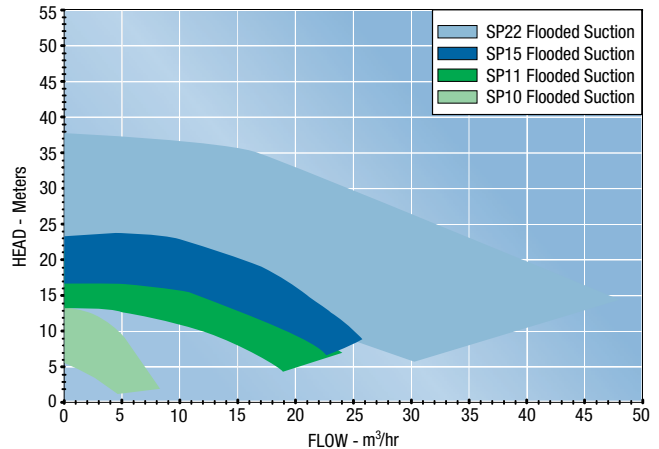
| | SP10 | SP11 | SP15 | SP22* |
|----------------------|------------------------------------|---------------------------------------|-------------------------------|-------------------------------------|
| HP | .32 - 2 | .75 - 3 | 1.5 - 5 | 3 - 13 |
| kW | .15 - .63 | .75 - 3 | 1.1 - 4 | 1.5 - 9.7 |
| Imp. Dia. (in.) | 3.00, 3.25, 3.50, 3.75, 4.00, 4.18 | 3.63, 3.88, 4.13, 4.38, 4.63 | 4.25, 4.5, 4.75, 5, 5.13 | 5.00, 5.50, 6.00, 6.50, 7.00 |
| Imp. Dia. (cm) | 7.6, 8.3, 8.9, 9.5, 10.2, 10.6 | @ 50Hz - 10.8, 11.4, 12.1, 12.7, 13.3 | @ 50Hz - 12.7, 13.3, 14, 14.6 | @50 Hz - 12.7, 14, 15.2, 16.5, 17.8 |
| Inlet x Outlet (in.) | 1 X 1 | 1 1/2 x 1 1/2 | 1 1/2 x 1 1/2 | 2 x 2 |
| Max. SG | 1.8 | 1.8 | 1.8 | 1.8 |

*Impeller trims available every 1/8" between smallest and largest diameter.

60 Hz, 3450 rpm



50 Hz, 2900 rpm



Features

- Magnetic drive
- Five-year warranty
- Excellent for pumping from above or below ground storage
- Provides up to 25 feet (7.6 m) of lift
- SP11/15 prime 18 feet (5.5 m) in 90 seconds**
- Retains fluid for re-priming when shut off without a check valve
- Up to 90 psi working pressure (6.2 bar)
- Runs without damage in absence of continuous flow
- Handles over 1.8 SG
- Back pull-out design for easy service

**with maximum diameter impeller

Construction

- Corrosion resistant polypropylene (180°F/82°C) or PVDF (220°F/104°C)
- Rare earth neodymium magnets
- Molded-in "gooseneck" suction passage eliminates need for internal check valves
- Easy set outer drive ensures optimum magnet alignment and easy motor installation
- FKM or EPDM o-rings standard. Other options available
- Carbon, ceramic, PTFE or silicon carbide bushings
- Mounts to NEMA or IEC motor frames
- NPT or BSP threads, flange or union connections
- Special design inner volute enables fast priming

Applications

- Bulk unload or transfer from rail cars, tanker trucks, sumps, pits, day storage or underground storage tanks to process or storage locations
- Over-the-wall applications
- Piping systems that have trapped or entrained air
- When run-dry protection is needed

Typical Chemicals

- Sodium hydroxide, sodium hypochlorite
- Sulfuric acid, hydrochloric acid, nitric acid
- Corrosive blends, waste water

Caution: The SP Series is not recommended for pumping flammables.

Magnetic Drive Pumps

VKC, MSKC, MSVKC Series

Sealless Vertical, Multi-Stage Horizontal & Vertical

VKC/MSVKC Series



Model MSVKC Series



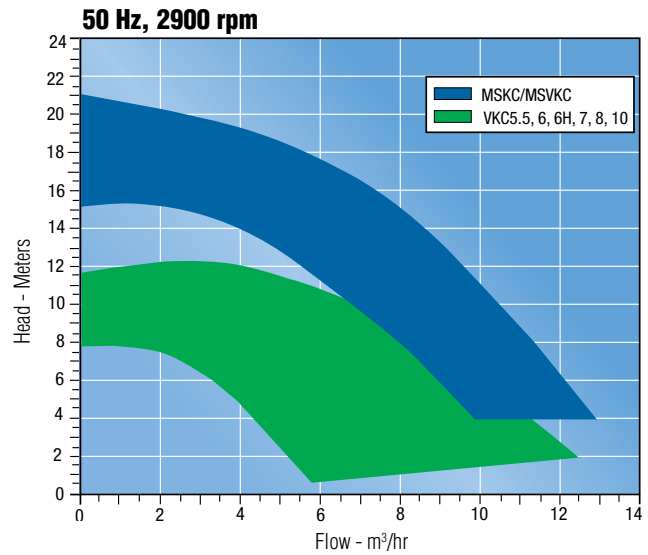
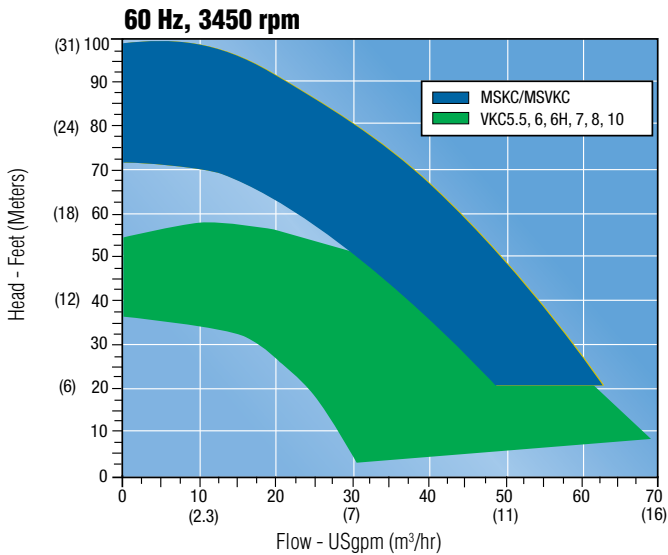
Model MSKC Series



Model VKC Series

| | VKC5.5 | VKC6 | VKC6H | VKC7 | VKC8 | VKC10 | MSKC1 MSVKC1 | MSKC2 MSVKC2 | MSKC3 MSVKC3 | MSKC4 MSVKC4 | MSKC5 MSVKC5 |
|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|
| HP* | .33 | .5 | .75 | .5 | .75 | 1 | 3 | 2 | 2 | 1.5 | 1.5 |
| kW* | .25 | .25 | .37 | .25 | .37 | .55 | 1.1 | 1.1 | .75 | .75 | .55 |
| Imp. Dia. (in.) | 3 | 3.19 | 3.88 | 3.19 | 3.5 | 3.88 | 3.88 + 3.88 | 3.5 + 3.88 | 3.5 + 3.5 | 3.19 + 3.5 | 3 + 3.5 |
| Imp. Dia. (cm) | 7.6 | 8.1 | 9.9 | 8.1 | 8.9 | 9.9 | 9.9 + 9.9 | 8.9 + 9.9 | 8.9 + 8.9 | 8.1 + 8.9 | 7.6 + 8.9 |
| Inlet x Outlet (in.) | 1 x 3/4 | 1 x 3/4 | 1 x 3/4 | 1 1/2 x 1 | 1 1/2 x 1 | 1 1/2 X 1 | 1 1/2 x 1 | 1 1/2 x 1 | 1 1/2 x 1 | 1 1/2 x 1 | 1 1/2 x 1 |
| Max. SG | 1.4 [†] | 1.4 [†] | 1.4 [†] | 1.4 [†] | 1.4 [†] | 1.4 [†] | 1.5 [†] | 1.5 [†] | 1.5 [†] | 1.8 | 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm. [†]1.8 SG achievable with magnet upgrade.



Features

- Magnetically coupled to motor; no mechanical seals to leak or replace
- Rare earth neodymium magnets
- MSKC Series generates increased head at low flow
- Low power consumption - Multi-Stage
- Multi-stage wide hydraulic envelope allows mix and match impeller sizes
- Interchangeable components
- VKC sealed column eliminates micro bubbles; no wetted shaft bearings
- Back pull-out design for easy service on horizontals

Construction

- Corrosion resistant polypropylene (180°F/82°C) or PVDF (220°F/104°C) horizontal; **vertical models** maximum temperature - 140°F/60°C
- Multi-stage design with small foot print
- MSKC Series - unique interconnecting drive shaft transmits torque to first stage impeller
- MSKC - independent thrust bearings at each stage for maximum reliability
- FKM or EPDM o-rings standard; carbon, ceramic or PTFE bushings
- Standard NEMA 56C or IEC motors
- VKC - modular build in 6" increments from 12" (30 cm) to 60" (152 cm)

Applications

- High pressure/low flow applications for chemical processing, spraying, bulk unload, tank transfer
- Plating recirculation/filtration, PCB etching/rinse
- Water/waste water treatment, wet scrubber
- Laboratory, pharmaceutical, photo processing

Typical Chemicals

- Sodium hydroxide, sodium hypochlorite
- Sulfuric acid, hydrochloric acid, nitric acid
- Corrosive blends, solvents, waste water



Sealless ANSI Dimensional Pumps

UltraChem® (UC) Series Sealless, ETFE Lined, Horizontal



Model UC1516



Model UC1518



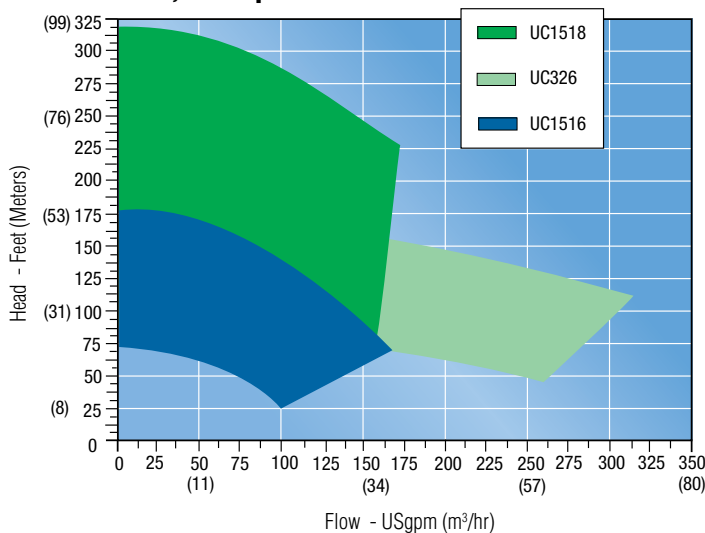
Model UC326



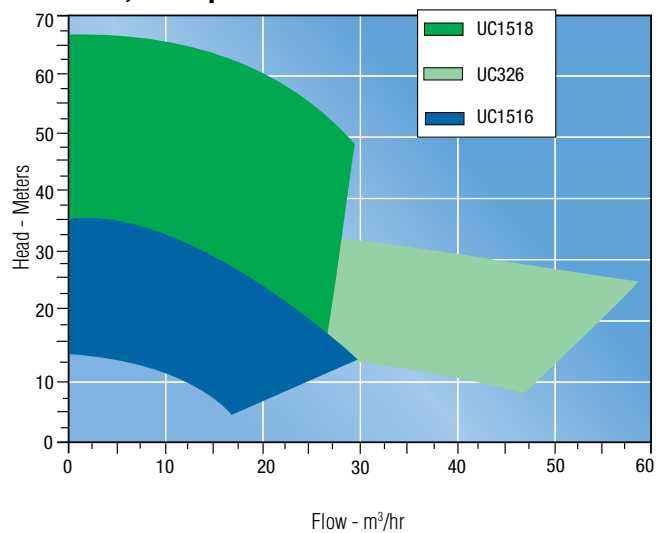
| | UC1516 | UC1518 | UC326 |
|-----------------------------|----------------------------------|----------------------------|----------------------------|
| HP* | 3 - 10 | 10 - 20 | 7-1/2 - 20 |
| kW* | 1.1 - 7.5 | 4.0 - 15.0 | 3.0 - 15.0 |
| Imp. Dia. (in.)** | 4, 4.5, 5, 5.5, 6, 6.375 | 6, 6.5, 7, 7.5, 8.125 | 4.5, 5, 5.5, 6, 6.375 |
| Imp. Dia. (cm)** | 10.2, 11.4, 12.7, 14, 15.2, 16.2 | 15.2, 15.5, 17.8, 19, 20.6 | 11.4, 12.7, 14, 15.2, 16.2 |
| Inlet x Outlet (in.) | 1-1/2 x 1 | 1-1/2 x 1 | 3 x 2 |
| Max. SG | 1.8 | 1.8 | 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm. **Impeller trims available every 1/8" (.32 cm) between the smallest and largest diameters.

60 Hz, 3450 rpm



50 Hz, 2900 rpm



Features

- Magnetically coupled to motor; no mechanical seals to leak or replace
- Run dry ability with carbon bushing
- Superior corrosion resistance in most extreme chemical processes
- ANSI or ISO flange mounting
- Close coupled
- 1.8 SG with no impeller trim
- Engineered for long life and low maintenance
- ATEX certified models available

Construction

- Ductile iron casing lined with DuPont™ Tefzel®
- Casing meets ANSI/B73.1M nozzle loads
- High strength rare earth neodymium magnets
- Enclosed impeller is injection molded from carbon fiber reinforced ETFE for superior corrosion resistance
- Internal drive hub has ETFE encapsulated magnets for added protection
- Sintered silicon carbide or carbon bushings
- FKM, EPDM, Kalrez® Simriz® or Atlas® o-rings
- TEFC, Chem duty, EXP NEMA or IEC motors

Applications

- Manufacturing, spraying, transfer of extremely corrosive chemicals
- Recirculation/filtration, water or waste water treatment, acid recirculation
- Fume scrubbers, cleaning processes

Typical Chemicals:

- Sodium hydroxide, sodium hypochlorite
- Sulfuric acid, hydrochloric acid, nitric acid
- Corrosive blends, solvents, waste water

*Kalrez® is a registered trademark of DuPont Performance Elastomers; Simriz® is a trademark of the Simrit® Division of Freudenberg-NOK; Atlas® is a trademark of the Asahi Glass Co., Ltd.

Sealed Plastic Pumps

GP Series Sealed, Horizontal

GP Series



Model GP11 Series



Model GP22 Series

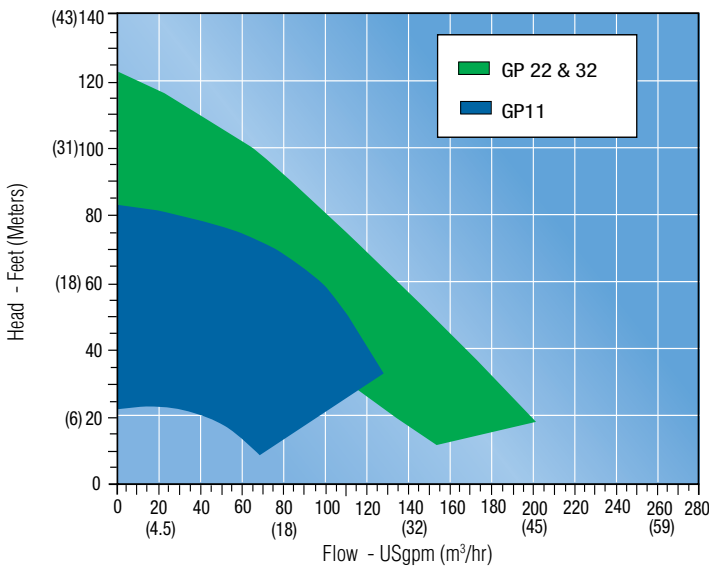


Model GP32 Series

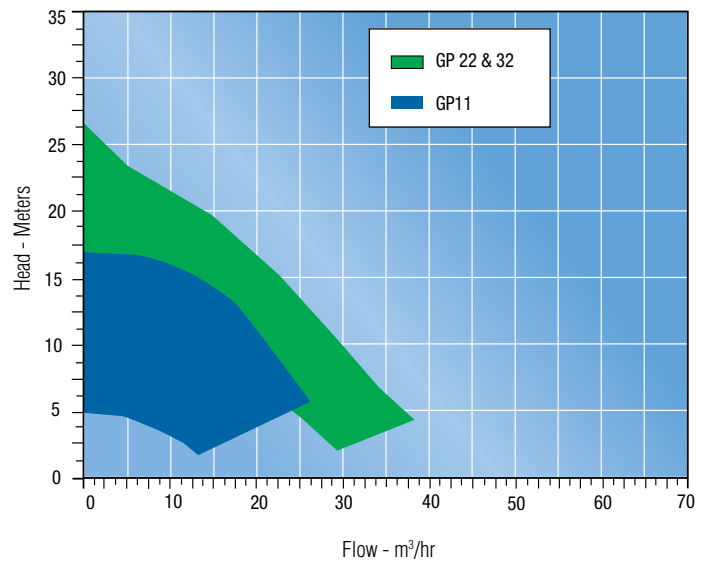
| | GP11 | GP22 | GP32 |
|-----------------------------|----------------|----------------------|----------------------|
| HP* | .75 to 3 | 3 to 7-1/2 | 3 to 7-1/2 |
| kW* | .37 to 1.5 | 1.5 to 5.5 | 1.5 to 5.5 |
| Imp. Dia. (in.) | 2.5, 3.5, 4.5 | 4.5, 5, 5.5, 6 | 4.5, 5, 5.5, 6 |
| Imp. Dia. (cm) | 6.4, 8.9, 11.5 | 11.5, 12.7, 14, 15.2 | 11.5, 12.7, 14, 15.2 |
| Inlet x Outlet (in.) | 1 1/2 x 1 1/2 | 2 x 2 | 3 x 2 |
| Max. SG | 1.8 | 1.8 | 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm.

60 Hz, 3450 rpm



50 Hz, 2900 rpm



Features

- Bellows, multi-spring or double type seals
- Close coupled or bearing frame (pedestal) mounted
- Excellent chemical resistance
- 1.8 SG with no impeller trim
- Interchangeable components
- Back pull-out design for easy service
- Economical option for chemical transfer

Construction

- Corrosion resistant polypropylene (180°F/82°C) or PVDF (220°F/104°C)
- FKM or EPDM o-rings standard
- TEFC, Chem duty, EXP NEMA or IEC motors
- NPT threads or flanged connection
- GP11 - closed impeller, GP22 & 32 - open impeller

Applications

- Chemical processing, spraying, transfer
- Plating recirculation/filtration, PCB etching/rinse
- Mild corrosive or low budget applications where periodic seal replacement is not an issue

Typical Chemicals

- Sodium hydroxide, sodium hypochlorite
- Sulfuric acid, hydrochloric acid, nitric acid
- Mild corrosives, solvents, waste water



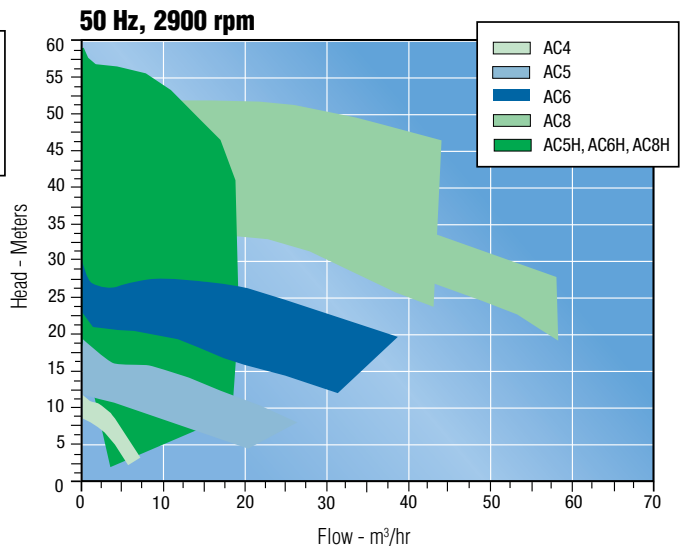
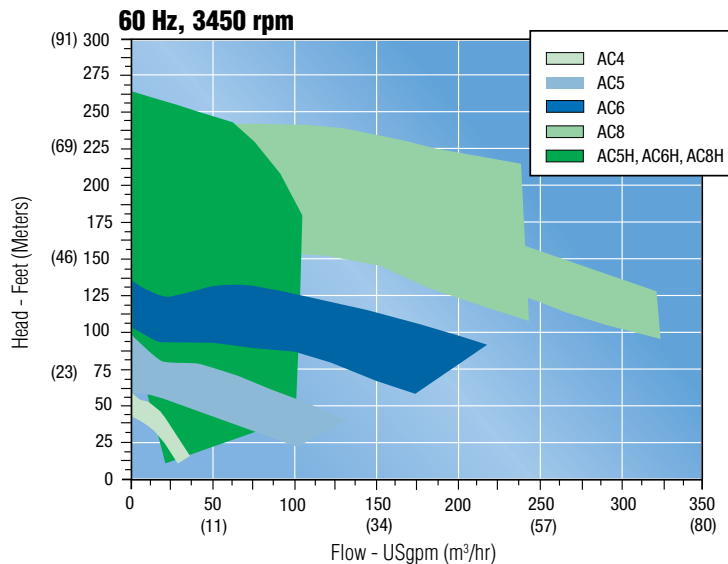
Sealed Metallic Pumps

AC Series Sealed, Horizontal



| | AC4 | AC5 | AC6 | AC8 | AC5H | AC6H | AC8H |
|-----------------------------|---------------|---|----------------------------|------------------------|-----------|-------------|--------------|
| HP* | 1/2 - 1 | 3/4 - 3 | 3 - 7-1/2 | 10 - 20 | 3/4 | 3 | 7-1/2 - 10.0 |
| kW * | .25 - .37 | 1 - 3 | 1.1 - 3.0 | 5.5 - 11.0 | .37 | 1.5 | 3.0 - 4.0 |
| Imp. Dia. (in.) | 3, 3.25, 3.5 | 4, 4.25, 4.5, 4.75 | 5.25, 5.75, 6 | 6.5, 7, 7.5, 8 | 4.75 | 6.25 | 7, 8 |
| Imp. Dia. (cm) | 7.6, 8.2, 8.9 | 10.2, 10.8, 11.4, 12 | 13.3, 14.6, 15.2 | 16.5, 17.8, 19, 20.3 | 12 | 15.9 | 17.8, 20.3 |
| Inlet x Outlet (in.) | 3/4 x 1/2 | 1-1/4 x 3/4 1-1/2 x 1-1/4 2 x 1-1/2 | 1-1/2 x 1-1/4 2 x 1-1/2 | 2 x 1-1/2 2-1/2 x 2 | 1/2 x 1/4 | 1-1/4 x 3/4 | 1-1/4 x 3/4 |
| Max. SG | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm.



Features

- Bellows Type 21 seals in a variety of seal arrangements
- Close coupled or bearing frame (pedestal) mounted
- Excellent chemical resistance
- 1.8 SG with no impeller trim
- Interchangeable components
- Back pull-out design for easy service
- Maximum working pressure - 100 psi (6.9 Bar); AC8/8H - 120 psi (8.3 Bar)

Construction

- Corrosion resistant 316SS (300°F /149°C)
- Cast iron motor mount
- Standard, recessed or high head impellers
- FKM, EPDM, or PTFE o-rings standard; other options available
- TEFC, Chem duty, EXP NEMA or IEC motors
- NPT or BSP threads

Applications

- Chemical processing, spraying, transfer
- Plating recirculation/filtration, cooling towers, printed circuit boards
- Cleaning, photo processing, pharmaceutical

Typical Chemicals:

- Sodium hydroxide, ethylene/propylene glycols
- Fuel oils, alcohols, caustic cleaners/detergents
- Solvents, waste water, DI water

Sealed Metallic Pumps

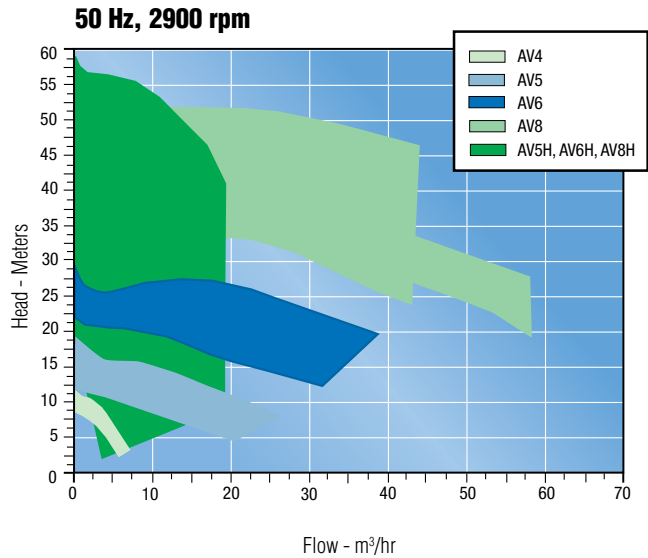
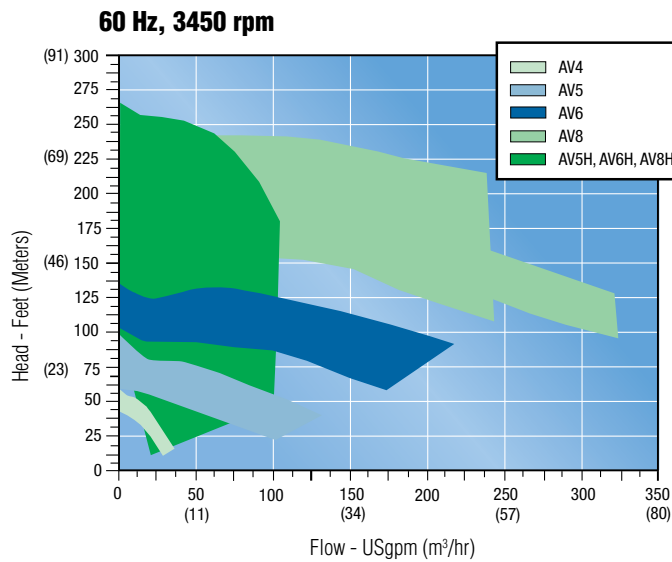
AV Series Sealed, Vertical

AV Series



| | AV4/AK4 | AV5/AK5 | AV6 | AV8 | AV5H | AV6H | AV8H |
|-----------------------------|---------------|----------------------|------------------|----------------------|-----------|-------------|--------------|
| HP* | 1/2 - 1.0 | 1.0 - 3.0 | 3 - 7-1/2 | 7-1/2 - 20 | 3/4 | 3 | 7-1/2 - 10.0 |
| kW* | .25 - .37 | 0.37 - 1.5 | 1.1 - 3.0 | 5.5 - 11.0 | .37 | 1.5 | 3.0 - 4.0 |
| Imp. Dia. (in.) | 3, 3.25, 3.5 | 4, 4.25, 4.5, 4.75 | 5.25, 5.75, 6 | 6.5, 7, 7.5, 8 | 4.75 | 6.25 | 7, 8 |
| Imp. Dia. (cm) | 7.6, 8.3, 8.9 | 10.2, 10.8, 11.4, 12 | 13.3, 14.6, 15.2 | 16.5, 17.8, 19, 20.3 | 12 | 15.9 | 17.8, 20.3 |
| Inlet x Outlet (in.) | 3/4 x 1/2 | 1-1/2 x 1-1/4 | 2 x 1-1/2 | 2 x 1-1/2 | 1/2 x 1/4 | 1-1/4 x 3/4 | 1-1/4 x 3/4 |
| Max. SG | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm.



Features

- Durable metal construction
- Excellent chemical resistance
- 1.8 SG with no impeller trim
- Interchangeable components
- Standard vertical, cantilevered or direct drive versions
- Maximum working pressure - 100 psi (6.9 Bar); AV8/8H - 120 psi (8.3 Bar).

Construction

- Corrosion resistant 316SS (300°F/149°C)
- Standard, recessed or high head impellers
- FKM, EPDM, or PTFE o-rings standard; Other options available
- Carbon, FKM or EPDM lower bushings
- Stainless steel mounting plate & discharge pipe
- 12" (31 cm), 24" (61 cm), 36" (91 cm) and 48" (122 cm) lengths
- TEFC, Chem duty, EXP NEMA or IEC motors
- NPT or BSP threads

Applications

- Chemical processing, spraying, transfer
- Plating recirculation/filtration, cooling towers, printed circuit boards
- Cleaning, photo processing, pharmaceutical

Typical Chemicals:

- Sodium hydroxide, ethylene/propylene glycols
- Fuel oils, alcohols, caustic cleaners/detergents
- Solvents, waste water, DI water



Drum/Barrel Pumps

Container-to-Container, Liquid Transfer

Drum/Barrel Pumps



| Models | EF Series* | PF Series* | TB Series | TBP Series |
|-----------------------|--|--|---|---|
| Description | Best value, light weight, medium duty pump suitable for low volumes of chemicals, corrosives and acids. Rated continuous duty. | High performance pump suitable for acids, corrosives, chemicals and flammables. Rated continuous duty. ATEX models available. | Lightweight pump suitable for low viscosity mild corrosives, solvents and chemicals. Fits smaller bung openings. Rated continuous duty. | Light to medium viscosity drum pump constructed of pure materials. Suitable for use with bleach, nitric acids, hydrochloric acids, sulfuric acids, etc. |
| Tube Type | Sealless | Sealless | Sealed | Sealed |
| Tube Construction | Polypropylene, Pure Polypropylene/Pure PVDF, 316SS | Polypropylene, PVDF, 316SS | 316SS | Pure Polypropylene/Pure PVDF |
| Temperature | Polypropylene - 150°F (66°C) PVDF - 160°F (71°C) 316SS - 212°F (100°C) | Polypropylene - 160°F (71°C) PVDF - 120°F (49°C) 316SS - 220°F (105°C) | 150°F (66°C) | 150°F (66°C) |
| Flow Rate* - Electric | 17 gpm (64.4 lpm) | 40 gpm (151 lpm) | 20 gpm (75.7 lpm) | 20 gpm (75.7 lpm) |
| - Air | 15 gpm (56.8 lpm) | 22 gpm (83 lpm) | 15 gpm (56.8 lpm) | 12.5 gpm (47.3 lpm) |
| Head* - Electric | 20 ft. (6.1 m) | 80 feet (24 m) | 28 feet (8.53 m) | 39.5 feet (12 m) |
| - Air | 17 ft. (5.2 m) | 38 feet (11.6 m) | 16 feet (4.9 m) | 19 feet (5.8 m) |
| Viscosity (cP)* | 300 | 2000 (electric), 330 (air) | 200 | 200 |
| Tube Lengths | 16" (41 cm), 27" (69 cm), 40" (102 cm), 48" (122 cm) | 27" (69 cm), 40" (102 cm), 48" (122 cm), 60" (152 cm), 72" (183 cm) | 40" (120 cm) | 27" (69 cm), 40" (102 cm), 48" (122 cm) |
| Tube Diameter | 1.25" (3.2 cm) | 2" (5.1 cm) | 1.5" (3.8 cm) | 1.66" (4.2 cm) |
| Motors | S1, S2, S3, S4 | M3V, M3T, M3X, M5V, M5V-US, M5T, M5X, M10X, M13, M58P, M59P, M59PCE, M6, M6X | M3V, M3T, M5V, M5V-US, M5T, M10X, M6, M6X, M13 | M3V, M3T, M5V, M5V-US, M5T, M10X, M13, M6 |

*These are maximum values. Performance of respective pumps is based on pumping water at room temperature.

See Drum Pump Motors on page 12.



*Patent Pending



*Patent Pending PFP and PFV



Drum/Barrel Pumps

Container-to-Container, Liquid Transfer

Drum/Barrel Pumps



| Models | TT Series | BT Series | HVDP Series | TM Series |
|-----------------------|---|--|--|---|
| Description | Medium viscosity drum pump suitable for corrosives, flammables, high purity and sanitary applications. Rated continuous duty. | High viscosity/high head drum pump suitable for corrosives and flammables. | Progressive cavity, high viscosity drum pump suitable for pumping chemicals, cosmetics, foods, or coatings up to 100,000+cP. | 4-blade, turbine drum mixer ideal for mild corrosives, solvents, or flammables of light to medium viscosity. Ideal for mixing drums with settled materials. |
| Tube Type | Sealed | Sealed | Mechanical seal | Sealed |
| Tube Construction | CPVC, 316SS, USDA Sanitary | 316SS | 316SS | 316SS |
| Temperature | 150°F (66°C) | 200°F (93°C) | 180°F (82°C) | 200°F (93°C) |
| Flow Rate* - Electric | 10 gpm (38 lpm) | 10 gpm (38 lpm) | 8-1/2 gpm (32 lpm) | 14 gpm (53 lpm) |
| - Air | 16 gpm (60 lpm) | | | |
| Head* - Electric | 10 feet (3 m) | 200 feet (61 m) | 300 feet (91 m) | |
| - Air | 30 feet (9 m) | | | |
| Viscosity (cP)* | 400 (electric), 2000 (air) | 15,000 | 20,000 - HR model; 100,000 - LR model | 1,000 |
| Tube Lengths | 27" (69 cm), 40" (102 cm), 48" (122 cm) | 40" (102 cm) | 27" (69 cm), 40" (102 cm), 48" (122 cm) | 40" (102 cm) |
| Tube Diameter | 1-1/2" (3.8 cm) 316SS or 1-5/8" (4.1 cm) CPVC | 2" (5.1 cm) | 2" (5.1 cm) | 2" (5.1 cm) |
| Motors | M7T, M7X, M8T, M6, M6X | M15, M16, M17, M18, M19, M20, M27, M28, M29, M39, M40 | M58, M59H, M60, M61, M62, M63, M64, M65, M66 | M7T, M8T, M7X, M6X |

*These are maximum values. Performance of respective pumps is based on pumping water at room temperature.

See Drum Pump Motors on page 12.



Drum/Barrel Pump Motors



OPEN DRIP-PROOF

| Model | Power | Speed (RPM) | Description | Pump Series |
|--------|-----------------------|-----------------|---------------------------|-------------|
| S1 | 1/3 Hp, 115V/60 Hz | 8,000 - 14,000 | Splash-proof, Enc. 3, CSA | EF |
| S2 | 250 w, 230V/50-60 Hz | 8,000 - 14,000 | Splash-proof, IP24 CE | EF |
| S3 | 230 w, 115V/50-60 Hz | 8,000 - 14,000 | Splash-proof, IP24, CE | EF |
| M3V | 4/5 HP, 115V/50-60 Hz | 3,500 - 10,000* | IP24, CSA | PF, TB, TBP |
| M5V | 650 w, 230V/50-60 Hz | 3,500 - 10,000* | IP24, CE | PF, TB, TBP |
| M5V-US | 4/5 HP, 230V/50-60 Hz | 3,500 - 10,000* | IP24, CE | PF, TB, TBP |
| M13 | 640 w, 115V/50-60 Hz | 10,000 | IP24, CE | PF, TB, TBP |

*Variable speed

ENCLOSED

| Model | Power | Speed (RPM) | Description | Pump Series |
|-------------------|--------------------------|-------------|-------------|-------------|
| M3T | 4/5 HP, 115V/50-60 Hz | 10,000 | TEFC, CSA | PF, TB, TBP |
| M5T | 640 w, 230V/50-60 Hz | 10,000 | TEFC, CE | PF, TB, TBP |
| M7T | 2/3 HP, 115V/50-60 Hz | 2,850/3,450 | TEFC, CSA | TT, TM |
| M8T | 375 w, 230V/50-60 Hz | 2,850/3,450 | TEFC, CE | TT, TM |
| M15 ^{††} | 1 HP, 230-460V/50-60 Hz | 3,450 | TEFC | BT |
| M60 [†] | 1 HP, 115-230V/60 Hz | 3,450 | TEFC | HVDP |
| M61 [†] | 1 1/2 HP, 115-230V/60 Hz | 3,450 | TEFC | HVDP |
| M62 [†] | 2 HP, 115-230V/60 Hz | 3,450 | TEFC | HVDP |
| M63 [†] | 1 HP, 230-460V/50-60 Hz | 3,450 | TEFC | HVDP |
| M64 [†] | 2 HP, 230-460V/50-60 Hz | 3,450 | TEFC | HVDP |

[†]Carries independent laboratory testing approvals

EXPLOSION-PROOF

| Model | Power | Speed (RPM) | Description | Pump Series |
|-------|------------------------|-------------|--------------|-------------|
| M3X | 3/10 HP, 115V/50-60 Hz | 5,000 | EXP, CSA | PF |
| M5X | 230 w, 230V/50-60 Hz | 5,000 | EXP | PF |
| M7X | 2/3 HP, 115V/50-60 Hz | 2,850/3,450 | EXP, CSA | TT, TM |
| M10X | 640 w, 230V/50-60 Hz | 10,000 | EXP, ATEX | TBP, PF, TB |
| M24X | 1 HP, 230-460V/60Hz | 3,450 | EXP, CSA, UL | BT |
| M25X | 2 HP, 230-460V/60 Hz | 1,725 | EXP, CSA, UL | BT |
| M33X | 1 HP, 115-230V/60 Hz | 3,450 | EXP, CSA, UL | BT |

VARIABLE SPEED

| Model | Power | Speed (RPM) | Description | Pump Series |
|--------|-------------------------|----------------|----------------|-------------|
| M58 | 1 1/3 HP, 115V/50-60 Hz | 10,000 | TEFC | HVDP |
| M59H | 800 w, 230V/50-60 Hz | 10,000 | TEFC, IP54 | HVDP |
| M59HCE | 800 w, 230V/50-60 Hz | 10,000 | TEFC, IP54, CE | HVDP |
| M58P | 1 1/3 HP, 115V/50-60 Hz | 5,000 - 10,000 | TEFC, IP54 | PF |
| M59P | 1000 w, 230V/50-60 Hz | 5,000 - 10,000 | TEFC, IP54 | PF |
| M59PCE | 1000 w, 230V/50-60 Hz | 5,000 - 10,000 | TEFC, IP54, CE | PF |

AIR

| Model | Power | Speed (RPM) | Description | Pump Series |
|-------|----------|-------------|---------------|---------------------|
| S4 | 1/2 HP | 300-11,000 | Air, CE | EF |
| M6 | 1/2 HP | 300-9,000 | Air, CE, ATEX | PF, TB, TBP, TT, TM |
| M6X | 3/4 HP | 300-6,000 | Air, CE, ATEX | PF, TB, TBP, TT, TM |
| M65 | 3/4 HP | 300-3,000 | Air, CSA | HVDP |
| M66 | 1 1/2 HP | 300-3,000 | Air, CSA | HVDP |
| M18* | 1 HP | 300-3,000 | Air, CSA | BT |

*Additional motors are available.

NOTE: If you don't find your motor type listed above, please consult FTI Sales. Also, ask about our wide offering of accessories for drum pumps including nozzles, hoses, strainers, meters, wall mount brackets, etc.



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FT04-901K