

ANSI DIMENSIONAL • 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

KC Series | Sealless, Horizontal

KC Series



Model KC3, 4 & 5 Series

Model KC5.5, 6, 6H,
7, 8 10 Series

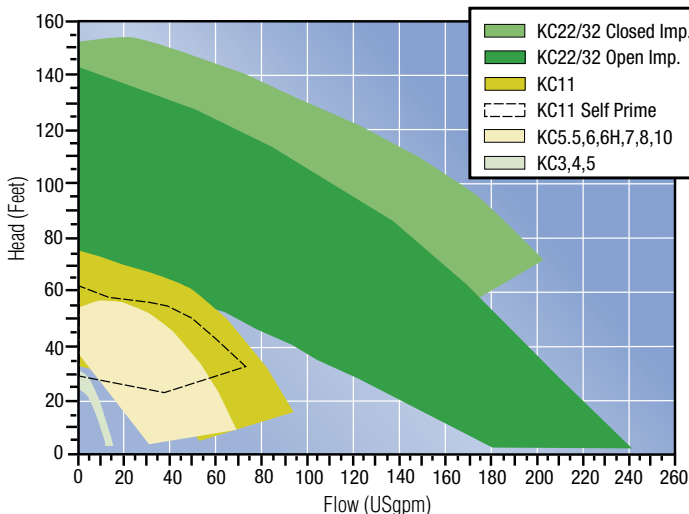
Model KC11 Series
& Self Prime

Model KC22
& 32 Series

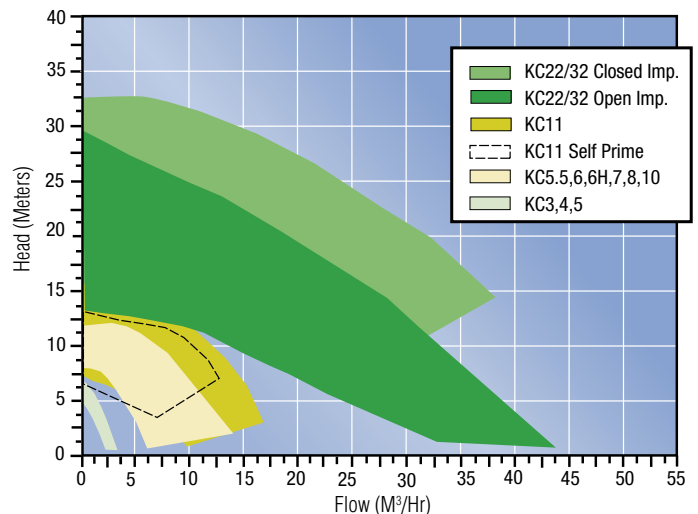
| | KC3 | KC4 | KC5 | KC5.5 | KC6 | KC6H | KC7 | KC8 | KC10 | KC11 & Self Prime | KC22** | KC32** |
|----------------------|---------|---------|---------|---------|---------|---------|-----------|-----------|-----------|-------------------|----------------------------|----------------------------|
| HP* | .125 | .25 | .33 | .33 | .5 | .75 | .5 | .75 | 1 | 1 - 2 | 3 - 10 | 3 - 10 |
| kW * | .07 | .11 | .15 | .25 | .25 | .37 | .25 | .37 | .55 | .37 - 1.1 | 1.5 - 4.0 | 1.5 - 4.0 |
| Imp. Dia. (in.) | 2.3 | 2.3 | 2.7 | 3 | 3.19 | 3.88 | 3.19 | 3.5 | 3.88 | 3, 3.5, 4, 4.5 | 4.5, 5, 5.5, 6, 6.37 | 4.5, 5, 5.5, 6, 6.37 |
| Imp. Dia. (cm) | 5.8 | 5.8 | 6.9 | 7.6 | 7.9 | 9.6 | 7.9 | 9.1 | 9.6 | 7.6 - 11.4 | 11.4, 12.7, 14, 15.2, 16.2 | 11.4, 12.7, 14, 15.2, 16.2 |
| Inlet x Outlet (in.) | 1 x 1/2 | 1 x 1/2 | 1 x 1/2 | 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 1/4 | 2 x 2 | 3 x 2 |
| Max. SG | 1 | 1.8 | 1.8 | 1.4† | 1.4† | 1.4† | 1.4† | 1.4† | 1.4† | 1.4 - 1.8 | 1.8 | 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm. **Open or closed impellers offered. †1.8 SG achievable with magnet upgrade.

60 Hz, 3450 rpm



50 Hz, 2900 rpm



Features

- Magnetically coupled to motor, no mechanical seals to leak or replace
- Excellent for highly aggressive liquids, chemicals, acids, caustics and corrosives
- Extended run dry capability with carbon bushing
- Capable of 1.0 to 1.8 SG with no impeller trimming
- Interchangeable components
- 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
- Viton® or EPDM o-rings standard. Other options available.
- Carbon, Ceramic or PTFE bushings
- TEFC, Chem Duty, EXP and 575V NEMA or IEC motors
- NPT or BSP threads or flanged connections
- Close coupled or pedestal mounted

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

VKC Series | Sealless, Vertical



Models VKC5.5, 6, 6H,
7, 8, 10 & 11 Series



Model VKC22 Series
(short column)

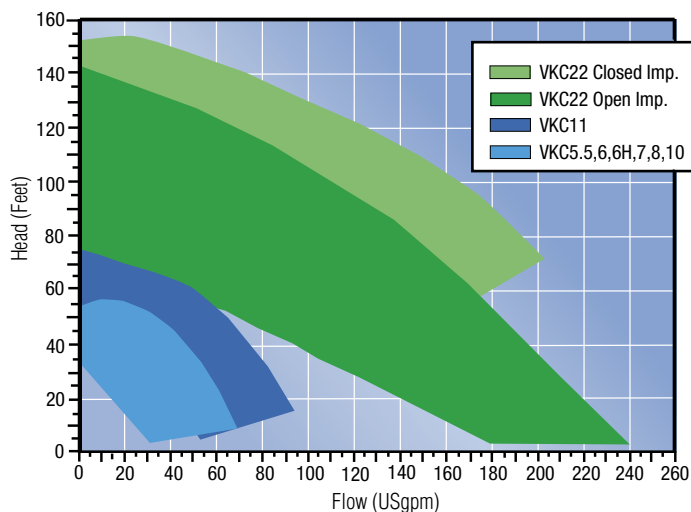


Model VKC22 Series
(Tall, 60" column)

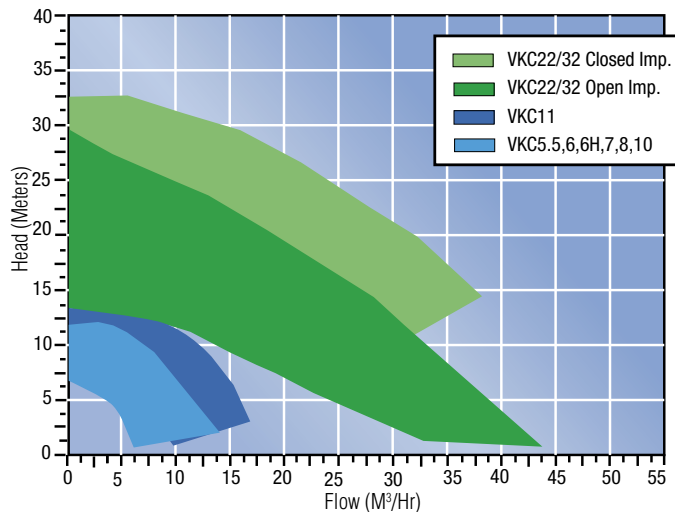
| | VKC5.5 | VKC6 | VKC6H | VKC7 | VKC8 | VKC10 | VKC11 | VKC22** |
|----------------------|---------|---------|---------|-----------|-----------|-----------|----------------------|----------------------------|
| HP* | .33 | .5 | .75 | .5 | .75 | 1 | 1 - 2 | 3 - 10 |
| kW * | .25 | .25 | .37 | .25 | .37 | .55 | .37 - 1.1 | 1.5 - 4.0 |
| Imp. Dia. (in.) | 3 | 3.19 | 3.88 | 3.19 | 3.5 | 3.88 | 3, 3.5, 4, 4.5 | 4.5, 5, 5.5, 6, 6.37 |
| Imp. Dia. (cm) | 7.6 | 8.1 | 9.9 | 8.1 | 8.9 | 9.9 | 7.6, 8.9, 10.2, 11.4 | 11.4, 12.7, 14, 15.2, 16.2 |
| 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 1/4 | 2 x 2 |
| Max. SG | 1.4† | 1.4† | 1.4† | 1.4† | 1.4† | 1.4† | 1.8 | 1.0 to 1.8 |

*HP calculated at 3500 rpm. kW calculated at 2900 rpm. **Open or closed impellers offered. †1.8 SG achievable with magnet upgrade.
Note: Discharge piping, mounting plates, strainers, etc. available

60 Hz, 3450 rpm



50 Hz, 2900 rpm



Features

- Magnetic Drive
- Excellent for highly aggressive liquids, chemicals, acids, caustics and corrosives
- Sealed column eliminates aeration, No microbubbles
- Reduced environmental emissions
- No wetted shaft bearings
- Extended run dry capability with carbon bushing
- Capable of 1.0 to 1.8 SG with no impeller trimming
- Interchangeable components

Construction

- Corrosion resistant Polypropylene or PVDF, Maximum temperature 140°F (60°C)
- Rare earth neodymium magnets
- Viton® or EPDM o-rings standard, Other options available
- Carbon, Ceramic or PTFE bushings
- TEFC, Chem Duty, EXP and 575V NEMA or IEC motors
- NPT or BSP threads
- Modular build in 6" increments from 12" (30 cm) to 60" (152 cm)

Applications

- Chemical processing, bulk unload, transfer
- Plating recirculation/filtration, PCB etching/rinse
- Water/waste water treatment, wet scrubber
- Fume scrubbers, chemical sumps, bio-filtration

Typical Chemicals:

- Sodium Hydroxide, Sodium Hypochlorite
- Sulfuric Acid, Hydrochloric Acid, Nitric Acid
- Corrosive blends, solvents, waste water

Magnetic Drive Pumps

MSKC / MSVKC Series

Multi-Stage Sealless, Horizontal & Vertical



Model MSVKC Series



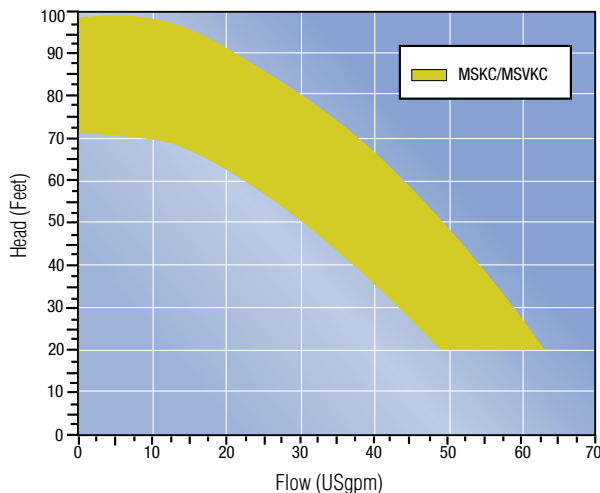
Model MSKC Series

Multi-Stage Series

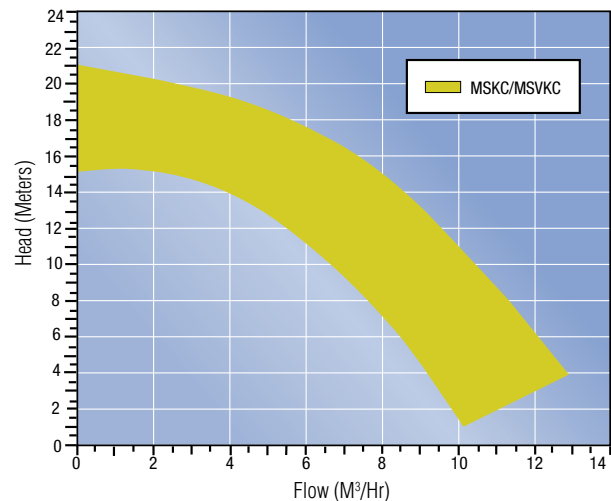
| | MSKC1 | MSKC2 | MSKC3 | MSKC4 | MSKC5 | MSVKC1 | MSVKC2 | MSVKC3 | MSVKC4 | MSVKC5 |
|----------------------|-------------|------------|-----------|------------|-----------|-------------|------------|-----------|------------|-----------|
| HP* | 3 | 2 | 2 | 1.5 | 1.5 | 3 | 2 | 2 | 1.5 | 1.5 |
| kW * | 1.1 | 1.1 | .75 | .75 | .55 | 1.1 | 1.1 | .75 | .75 | .55 |
| Imp. Dia. (in.) | 3.88 + 3.88 | 3.5 + 3.88 | 3.5 + 3.5 | 3.19 + 3.5 | 3 + 3.5 | 3.88 + 3.88 | 3.5 + 3.88 | 3.5 + 3.5 | 3.19 + 3.5 | 3 + 3.5 |
| Imp. Dia. (cm) | 9.9 + 9.9 | 8.9 + 9.9 | 8.9 + 8.9 | 8.1 + 8.9 | 7.6 + 8.9 | 9.9 + 9.9 | 8.9 + 9.9 | 8.9 + 8.9 | 8.1 + 8.9 | 7.6 + 8.9 |
| Inlet x Outlet (in.) | 1-1/2 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 | 1-1/2 x 1 | 1-1/2 x 1 |
| Max. SG | 1.5 | 1.5 | 1.5 | 1.8 | 1.8 | 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.

60 Hz, 3450 rpm



50 Hz, 2900 rpm



Features

- Magnetically coupled to motor, no mechanical seals to leak or replace
- Generates increased head at low flow
- Low power consumption
- Wide hydraulic envelope allows mix and match impeller sizes
- Hydrotested to 120 psi
- Interchangeable components
- Back pull-out design for easy service on horizontals

See page 4 for vertical mag drive features and construction

Construction

- Corrosion resistant Polypropylene (180°F/82°C) or PVDF (220°F/104°C)
- Rare earth neodymium magnets
- Multi-stage design with small foot print
- Unique interconnecting drive shaft transmits torque from magnetic coupling to first stage impeller
- Independent thrust bearings at each stage for maximum reliability
- Viton® or EPDM o-rings standard
- Carbon, Ceramic or PTFE bushings
- Standard NEMA 56C or IEC motors
- NPT or BSP threads
- MSVKC - max. temperature 140°F (60°C)

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



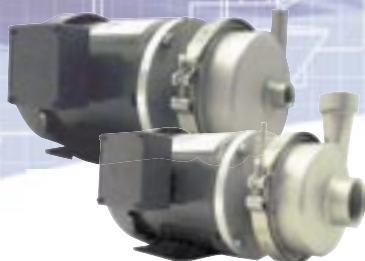
Sealed Metallic Pumps

AC Series Sealed, Horizontal

AC Series



Model AC4 Series



Model AC5 Series



Model AC6 Series

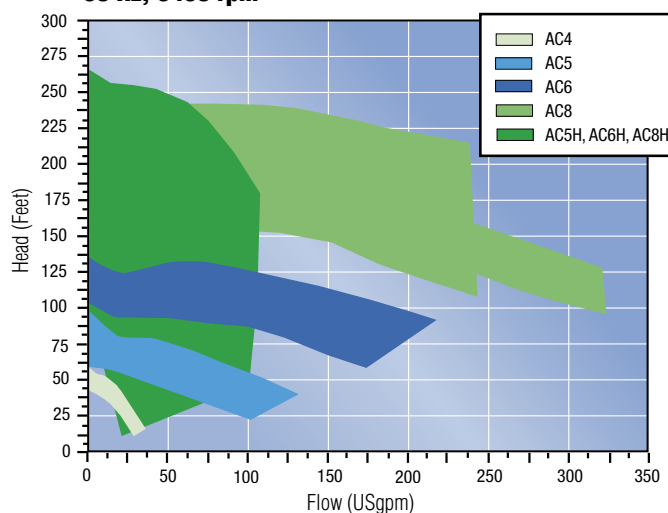


Model AC8 Series

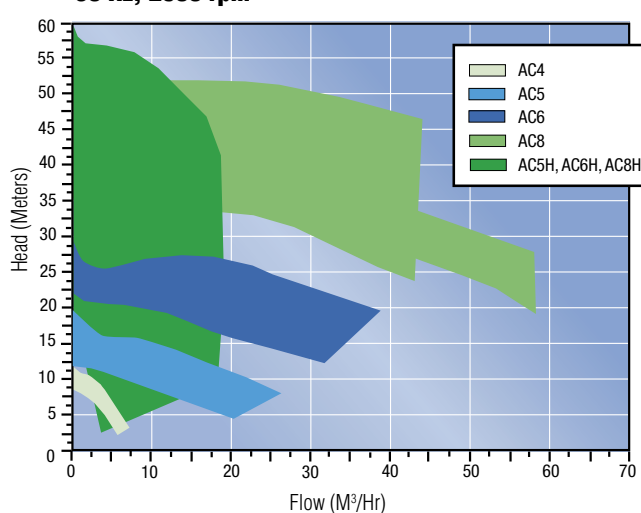
| | AC4 | AC5 | AC6 | AC8 | AC5H | AC6H | AC8H |
|----------------------|---------------|---|----------------------------|------------------------|-----------|-------------|--------------|
| HP* | 1/2 - 1 | 3/4 - 3 | 3 - 7-1/2 | 10 - 20 | 3/4 | 3 | 7-1/2 - 10.0 |
| kW * | .25 - .37 | 1 - 3 | 1.1 - 3.0 | 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.

60 Hz, 3450 rpm



50 Hz, 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

Construction

- Corrosion resistant 316SS (300°F/149°C)
- Cast iron motor mount
- Standard, recessed or high head impellers
- Viton®, EPDM, or Teflon® 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

Model AV4 Series

Model AV5 & AV5H Series

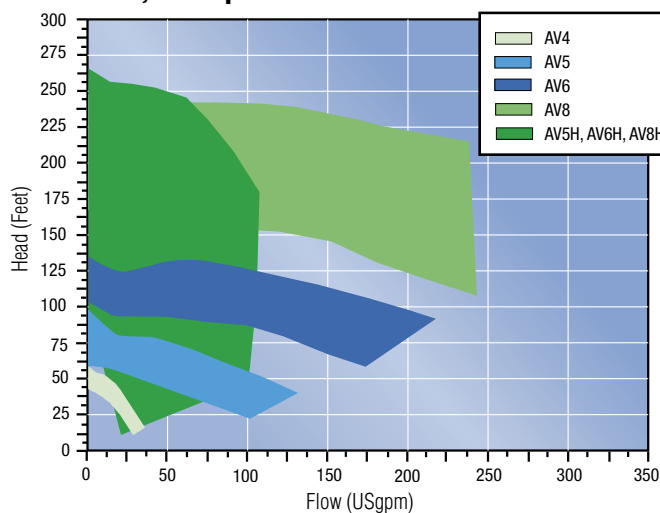
Model AV6
& AV6H Series

Model AV8
& AV8H Series

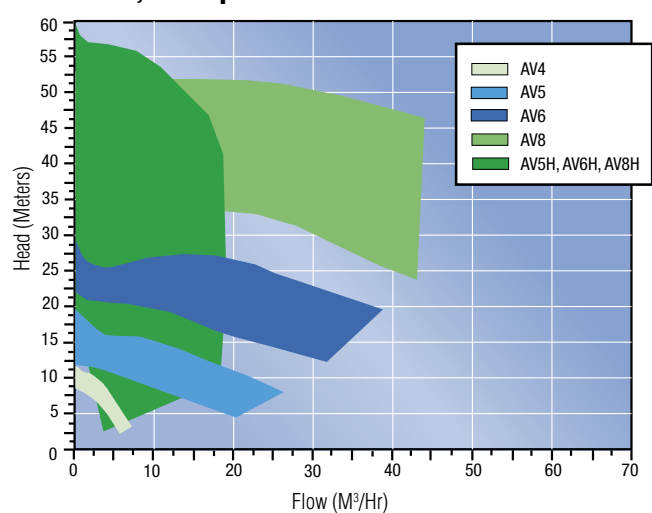
| | AV4/AK4 | AV5/AK5 | AV6 | AV8 | AV5H | AV6H | AV8H |
|-----------------------------|---------------|----------------------|------------------|----------------------|-----------|-------------|--------------|
| HP* | 1/2 - 1.0 | 1.0 - 3.0 | 3 - 7-1/2 | 7-1/2 - 20 | 3/4 | 3 | 7-1/2 - 10.0 |
| kW * | .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.

60 Hz, 3450 rpm



50 Hz, 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

Construction

- Corrosion resistant 316SS (300°F/149°C)
- Standard, recessed or high head impellers
- Viton®, EPDM, or Teflon® o-rings standard, other options available
- Carbon, Viton®, 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



Sealed Plastic Pumps

GP Series | Sealed, Horizontal

GP Series



Model GP11 Series



Model GP22 Series

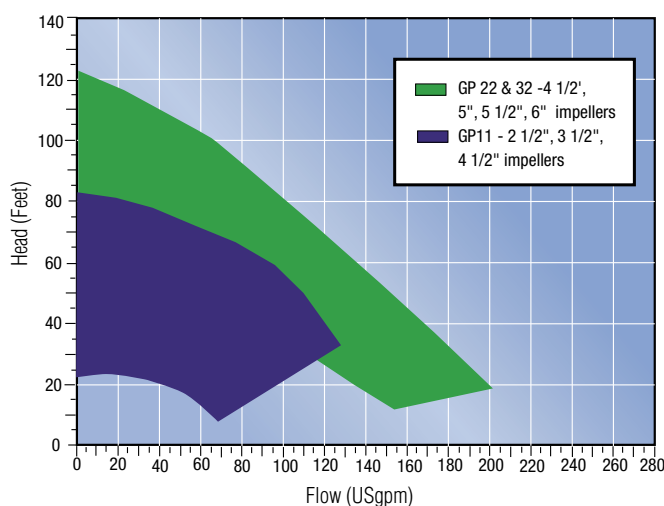


Model GP32 Series

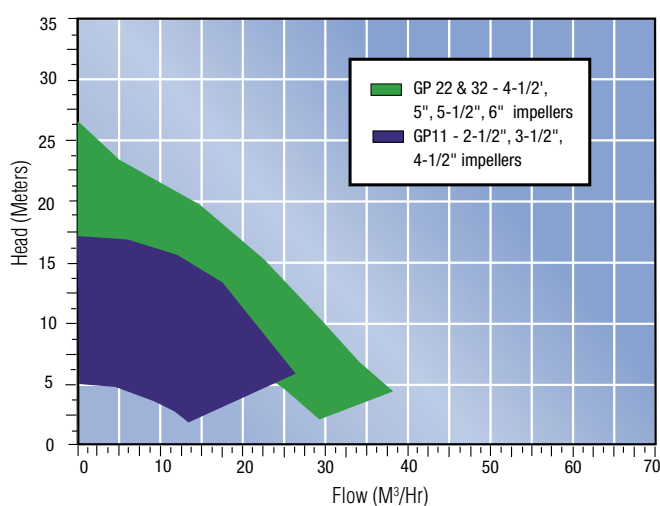
| | GP11 | GP22 | GP32 |
|-----------------------------|----------------|----------------------|----------------------|
| HP* | .75 to 3 | 3 to 7-1/2 | 3 to 7-1/2 |
| kW * | .37 to 1.5 | 1.5 to 5.5 | 1.5 to 5.5 |
| Imp. Dia. (in.) | 2.5, 3.5, 4.5 | 4.5, 5, 5.5, 6 | 4.5, 5, 5.5, 6 |
| Imp. Dia. (cm) | 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, multispring 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)
- Viton® 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 not an issue

Typical Chemicals:

- Sodium Hydroxide, Sodium Hypochlorite
- Sulfuric Acid, Hydrochloric Acid, Nitric Acid
- Mild corrosives, solvents, waste water

Sealless ANSI Dimensional Pumps

UltraChem (UC) Series

Sealless, ETFE Lined, Horizontal

UC Series



Model UC1516



Model UC1518

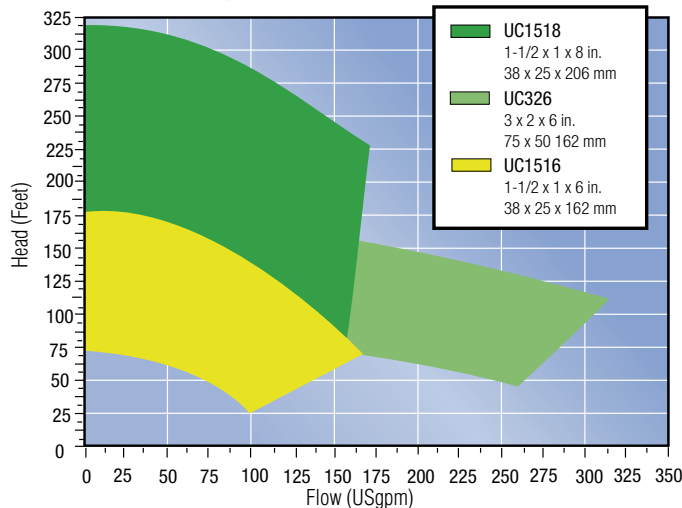


Model UC326

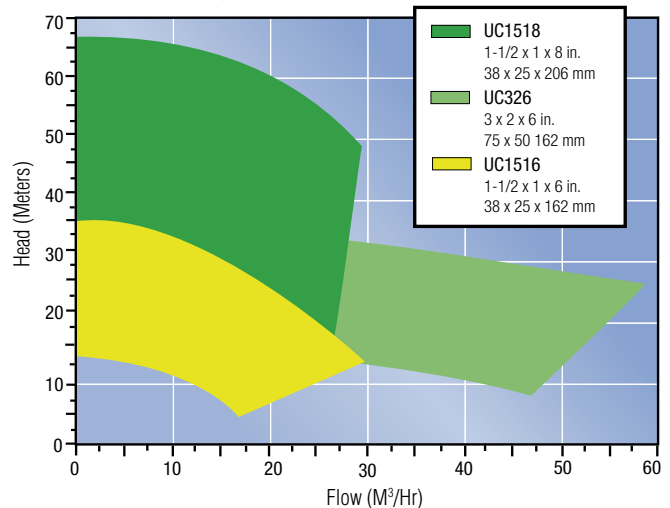
| | UC1516 | UC1518 | UC326 |
|----------------------|----------------------------------|----------------------------|----------------------------|
| HP* | 3 - 10 | 10 - 20 | 7-1/2 - 20 |
| kW * | 1.1 - 4.0 | 4.0 - 11.0 | 3.0 - 7.5 |
| Imp. Dia. (in.)** | 4, 4.5, 5, 5.5, 6, 6.375 | 6, 6.5, 7, 7.5, 8.125 | 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" (.32cm) 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/ASME 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
- Viton®, EPDM, Kalrez 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



Drum/Barrel Pumps

Container-to-Container, Liquid Transfer

Drum/Barrel Pumps



| Models | EP Series | PF Series | TB Series | TBP Series |
|-----------------------|--|---|--|---|
| Description | Lightweight pump suitable for low volumes of chemicals, mild corrosives and acids, Intermittent duty | High performance pump suitable for acids, corrosives, chemicals and flammables, Rated continuous duty | 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 | Sealed | Sealless | Sealed | Sealed |
| Tube Construction | Polypropylene tube with 316SS or Alloy 625 shaft. | Polypropylene, PVDF, 316SS | 316SS | Pure Polypropylene/Pure PVDF |
| Temperature | 120° (49° C) | PolyPropylene - 160° (71° C) PVDF - 120° (49° C) 316SS - 220° (105° C) | 150° (66° C) | 150° (66° C) |
| Flow Rate* - Electric | 6 gpm (1.36 m3/hr.) | 40 gpm (151 lpm) | 20 gpm (75.7 lpm) | 20 gpm (75.7 lpm) |
| - Air | 6 gpm (1.36 m3/hr) | 22 gpm (83 lpm) | 15 gpm (56.8 lpm) | 15 gpm (56.8 lpm) |
| Head* - Electric | 12 ft. (3.7 m) | 80 feet (24 m) | 28 feet (8.53 m) | 39.5 feet (12 m) |
| - Air | 12 ft. (3.7 m) | 38 feet (11.6 m) | 16 feet (4.9 m) | 19 feet (5.8 m) |
| Viscosity (cP)* | 150 | 2000 (electric), 330 (air) | 200 | 200 |
| Tube Lengths | 27" (69 cm), 40" (102 cm) | 27"(69 cm), 40" (102 cm), 48" (122 cm), 60" (152 cm), 72" (183cm) | 40" (120 cm) | 27" (69 cm), 40" (102 cm), 48" (122 cm) |
| Tube Diameter | 1" (25 mm) | 2" (5.1 cm) | 1.5" (3.8 cm) | 1.66" (42 mm) |
| Motors | M54, M55, M56, M57 | M3, M3T, M3X, M5, M5T, M5X, M10X, M13, M58P, M59P, M6, M6X | M3, M3T, M5, M5T, M10X, M6, M6X, M13 | M3, M3T, M5, 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.



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 viscous 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 or packing design | 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 lpm) | |
| - 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

M54, M55, M56



M3, M5



M15, M16,
M17



M60/M61/M62/M63 M64



M3T/M5T/M8T/M13



M3X/M5X/
M7X/M10X



M58P, M59P

M58H, M59H



M6

M18, M19, M20

SPLASH-PROOF

| Model | Power | Speed (RPM) | Description | Pump Series |
|-------|---------------|-------------|------------------|-------------|
| M54 | 230V/50-60 Hz | 10,000 | IP44, CE | EP |
| M55 | 115V/50-60 Hz | 10,000 | Splashproof, CSA | EP |
| M56 | 115V/50-60 Hz | 10,000 | IP44, CE | EP |
| M3 | 115V/50-60 Hz | 10,000 | Drip-proof, CSA | PF, TB, TBP |
| M5 | 230V/50-60 Hz | 10,000 | IP44, CE | PF, TB, TBP |

ENCLOSED

| Model | Power | Speed (RPM) | Description | Pump Series |
|-------|-------------------------|-------------|-----------------|-------------|
| M3T | 115V/50-60 Hz | 10,000 | TEFC, CSA | PF, TB, TBP |
| M5T | 230V/50-60 Hz | 10,000 | TEFC, CE | PF, TB, TBP |
| M7T | 115V/50-60 Hz | 2850/3450 | TEFC, CSA | TT, TM |
| M8T | 230V/50-60 Hz | 2850/3450 | TEFC, CE | TT, TM |
| M13 | 115V/50-60 Hz | 10,000 | IP44, Demko, CE | PF, TB, TBP |
| M15* | 230-460V/50-60 Hz | 3,450 | TEFC, CSA, UL | BT |
| M60 | 1 HP, 115-230V/60 Hz | 3,450 | TEFC, CSA, UL | HVDP |
| M61 | 1 1/2HP, 115-230V/60 Hz | 3,450 | TEFC, CSA, UL | HVDP |
| M62 | 2 HP, 115-230V/60 Hz | 3,450 | TEFC, CSA, UL | HVDP |
| M63 | 1 HP, 230-460V/50/60 Hz | 3,450 | TEFC, CSA, UL | HVDP |
| M64 | 2 HP, 230-460V/50/60 Hz | 3,450 | TEFC, CSA, UL | HVDP |

EXPLOSION-PROOF

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

VARIABLE SPEED

| Model | Power | Speed (RPM) | Description* | Pump Series |
|-------|---------------------|-------------|----------------|-------------|
| M58H | 1 HP, 115V/50-60 Hz | 10,000 | TEFC, NRTL | HVDP |
| M59H | 800w, 230V/50-60 Hz | 10,000 | TEFC, IP54, CE | HVDP |
| M58P | 1 HP, 115V/50-60 Hz | 10,000 | TEFC, NRTL | PF |
| M59P | 800w, 230V/50-60 Hz | 10,000 | TEFC, IP54, CE | PF |

*All Are Variable Speed

AIR

| Model | Power | Speed (RPM) | Description | Pump Series |
|-------|-------|-------------|-------------|---------------------|
| M57 | - | 300-6,000 | Air, CE | EP |
| M6 | - | 300-6,000 | Air, CE | PF, TB, TBP, TT, TM |
| M6X | - | 300-3,000 | Air, CE | PF, TB, TBP, TT, TM |
| M65 | - | 300-3,000 | Air, CSA | HVDP |
| M66 | - | 300-3,000 | Air, CSA | HVDP |
| M18* | - | 300-3000 | Air, CSA | BT |

*NOTE: Additional motors are available. 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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