

STANDARD PUMP *Europe*



Industrial Pumps & Metering Systems

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MARKETS

Automotive

Chemical Packaging

Plating

Semi-Conductor

Waste Water Treatment

Pharmaceutical

Agriculture

Petroleum



Applications



Drums



Laboratory

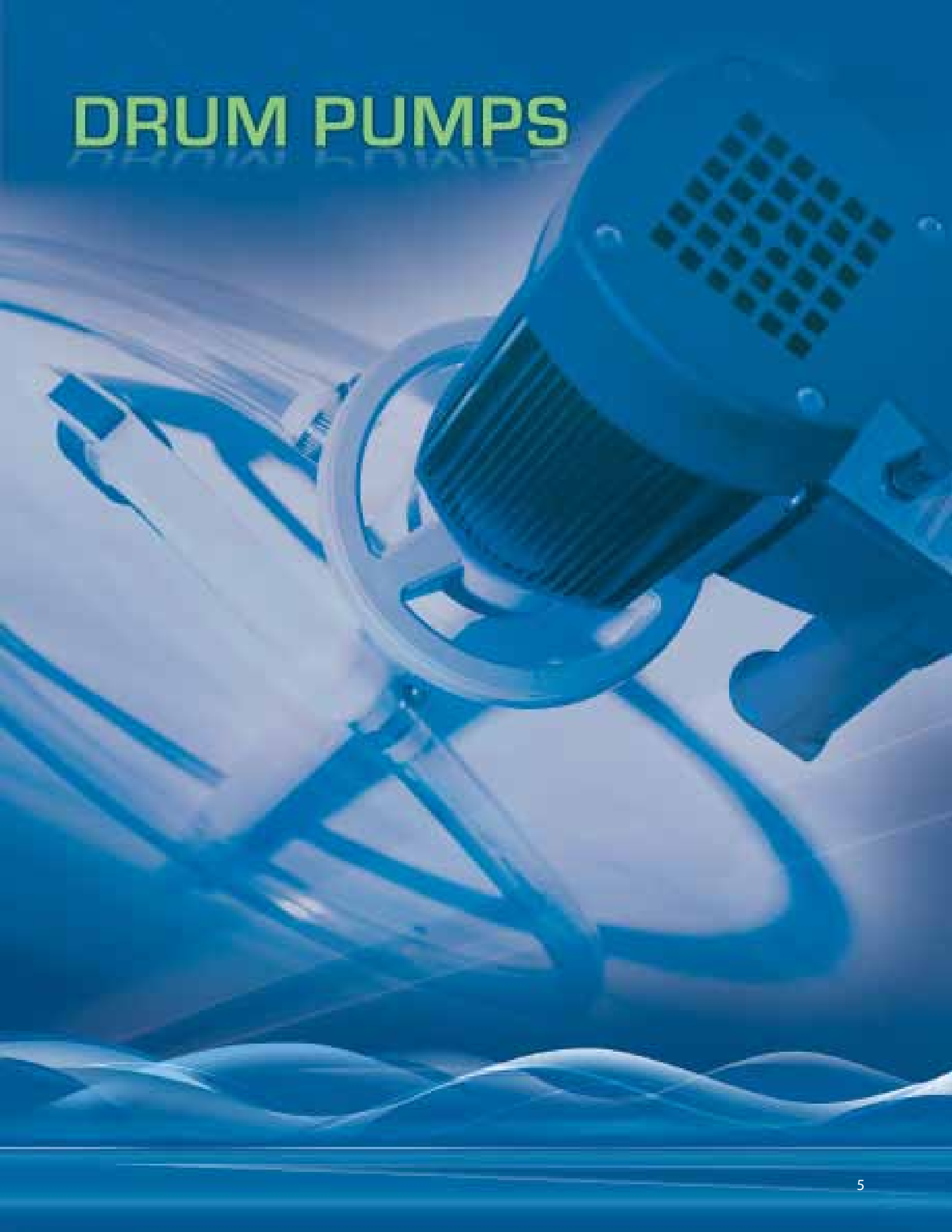


Large Storage Vessels



Stainless Tanks

DRUM PUMPS



Pump Packages



Pump Package 1 | Water Treatment Chemicals

Engineered to transfer corrosive chemicals associated with the Water Treatment industry. Common applications include: Sodium Hypochlorite, Potassium Hydroxide and Sodium Bromide.

| | |
|--------------------|------------------------------------|
| Motor Type: | SP-280P-V or SP-280P-2-V |
| Pump Assembly: | CPVC |
| Pump Length: | 39" (1000 mm) or 47" (1200 mm) |
| Hose: | 6 ft. (1,8 m), I.D. 1" (25 mm) PVC |
| Dispensing Nozzle: | 1" (25 mm), Polypropylene |
| Barrel Adapter: | Polypropylene |
| Storage Bracket: | Steel |
| Max. Flow Rate: | 15 GPM (57 LPM) based on water |
| Max. Pressure: | 35 ft. (10,6 m) |
| Max. Viscosity: | 1500 cps (mPas) |
| Max. Temperature: | 190° F (88° C) |

PART NUMBER:

| | |
|----------------------------------|------------------|
| <u>39" (1000 mm) Pump Length</u> | |
| 9430 | 110-120V Package |
| 9431 | 220-240V Package |
| <u>47" (1200 mm) Pump Length</u> | |
| 9432 | 110-120V Package |
| 9433 | 220-240V Package |



Pump Package 2 | Acids & Alkalis

Engineered to transfer corrosive liquids. Common applications include: Hydrochloric Acid, Nitric Acid (20%), Acetic Acid and Sulfuric Acid.

| | |
|--------------------|------------------------------------|
| Motor Type: | SP-280P-V or SP-280P-2-V |
| Pump Assembly: | Polypropylene |
| Pump Length: | 39" (1000 mm) or 47" (1200 mm) |
| Hose: | 6 ft. (1,8 m), I.D. 1" (25 mm) PVC |
| Dispensing Nozzle: | 1" (25 mm), Polypropylene |
| Barrel Adapter: | Polypropylene |
| Storage Bracket: | Steel |
| Max. Flow Rate: | 15 GPM (57 LPM) based on water |
| Max. Pressure: | 35 ft. (10,6 m) |
| Max. Viscosity: | 1500 cps (mPas) |
| Max. Temperature: | 130° F (55° C) |

PART NUMBER:

| | |
|----------------------------------|------------------|
| <u>39" (1000 mm) Pump Length</u> | |
| 9400 | 110-120V Package |
| 9401 | 220-240V Package |
| <u>47" (1200 mm) Pump Length</u> | |
| 9402 | 110-120V Package |
| 9403 | 220-240V Package |



Pump Package 3 | Concentrated Acids & Alkalis

Engineered to transfer very concentrated and extremely aggressive liquids. Common applications include: Sulfuric Acid 66 Baumé, Propionic Acid, Concentrated Nitric (98%) and Hydrofluoric Acid.

| | |
|--------------------|--|
| Motor Type: | SP-ENC-V or SP-ENC-2-V |
| Pump Assembly: | PVDF (Kynar®) |
| Pump Length: | 39" (1000 mm) or 47" (1200 mm) |
| Hose: | 6 ft. (1,8 m), I.D. 1" (25 mm) Goodyear® Viper 16™ |
| Dispensing Nozzle: | 1" (25 mm), PVDF |
| Barrel Adapter: | Polypropylene |
| Storage Bracket: | Steel |
| Max. Flow Rate: | 17.5 GPM (66 LPM) based on water |
| Max. Pressure: | 35 ft. (10,6 m) |
| Max. Viscosity: | 1500 cps (mPas) |
| Max. Temperature: | 175° F (80° C) |

PART NUMBER:

| | |
|----------------------------------|------------------|
| <u>39" (1000 mm) Pump Length</u> | |
| 9420 | 110-120V Package |
| 9421 | 220-240V Package |
| <u>47" (1200 mm) Pump Length</u> | |
| 9422 | 110-120V Package |
| 9423 | 220-240V Package |

Pump Packages Continued



Pump Package 4 | Acids & Alkalis Measurement

Unique design allows users to safely measure and transfer corrosive liquids. Common applications include: Hydrochloric Acid, Nitric Acid (20%), Acetic Acid and Sulfuric Acid.

| | |
|--------------------|------------------------------------|
| Motor Type: | SP-280P-V or SP-280P-2-V |
| Pump Assembly: | Polypropylene |
| Pump Length: | 39" (1000 mm) or 47" (1200 mm) |
| Hose: | 6 ft. (1,8 m), I.D. 1" (25 mm) PVC |
| Dispensing Nozzle: | 1" (25 mm), Polypropylene |
| Flow Meter: | Digital / Polypropylene Totalizer |
| Barrel Adapter: | Polypropylene |
| Storage Bracket: | Steel |
| Max. Flow Rate: | 13.5 GPM (51 LPM) based on water |
| Max. Pressure: | 35 ft. (10,6 m) |
| Max. Viscosity: | 300 cps (mPas) |
| Max. Temperature: | 130° F (55° C) |

PART NUMBER:

| | |
|---------------------------|------------------|
| <hr/> | |
| 39" (1000 mm) Pump Length | |
| 9500 | 110-120V Package |
| 9501 | 220-240V Package |
| <hr/> | |
| 47" (1200 mm) Pump Length | |
| 9502 | 110-120V Package |
| 9503 | 220-240V Package |



Pump Package 5 | Concentrated Acids & Alkalis Measurement

Unique design allows operators to safely measure and transfer concentrated and very aggressive liquids. Common applications include: Sulfuric Acid 66 Baumé, Propionic Acid, Concentrated Nitric (98%) and Hydrofluoric Acid.

| | |
|--------------------|--|
| Motor Type: | SP-ENC-V or SP-ENC-2-V |
| Pump Assembly: | PVDF (Kynar®) |
| Pump Length: | 39" (1000 mm) or 47" (1200 mm) |
| Hose: | 6 ft. (1,8 m), I.D. 1" (25 mm) Goodyear® Viper 16™ |
| Dispensing Nozzle: | 1" (25 mm), PVDF |
| Flow Meter: | Digital / PVDF Totalizer |
| Barrel Adapter: | Polypropylene |
| Storage Bracket: | Steel |
| Max. Flow Rate: | 16 GPM (61 LPM) based on water |
| Max. Pressure: | 35 ft. (10,6 m) |
| Max. Viscosity: | 300 cps (mPas) |
| Max. Temperature: | 175° F (80° C) |

PART NUMBER:

| | |
|---------------------------|------------------|
| <hr/> | |
| 39" (1000 mm) Pump Length | |
| 9510 | 110-120V Package |
| 9511 | 220-240V Package |
| <hr/> | |
| 47" (1200 mm) Pump Length | |
| 9512 | 110-120V Package |
| 9513 | 220-240V Package |



Pump Package 6 | Light Oils

Engineered to transfer light oils and suitable chemicals. Applications include: light machining oils, transmission fluid, etc.

| | |
|--------------------|------------------------------------|
| Motor Type: | SP-280P-V or SP-280P-2-V |
| Pump Assembly: | SS 316 |
| Pump Length: | 39" (1000 mm) or 47" (1200 mm) |
| Hose: | 6 ft. (1,8 m), I.D. 1" (25 mm) PVC |
| Dispensing Nozzle: | 1" (25 mm), Aluminum |
| Barrel Adapter: | Stainless Steel |
| Storage Bracket: | Steel |
| Max. Flow Rate: | 22 GPM (83 LPM) based on water |
| Max. Pressure: | 35 ft. (10,6 m) |
| Max. Viscosity: | 1500 cps (mPas) |
| Max. Temperature: | 175° F (80° C) |

PART NUMBER:

| | |
|---------------------------|------------------|
| <hr/> | |
| 39" (1000 mm) Pump Length | |
| 9410 | 110-120V Package |
| 9411 | 220-240V Package |
| <hr/> | |
| 47" (1200 mm) Pump Length | |
| 9412 | 110-120V Package |
| 9413 | 220-240V Package |

Pump Packages Continued



Pump Package SPE-250 A, B, C | Water Treatment Chemicals

Engineered to transfer corrosive chemicals associated with the Water Treatment industry. Common applications include: Corrosion inhibitors and water additives.

| | |
|--------------------|---|
| Motor Type: | SPE-250 |
| Pump Assembly: | PPS |
| Pump Length: | 27" (700mm), 39" (1000 mm) or 47" (1200 mm) |
| Hose: | 3 m I.D. 3/4" x O.D 1" (25 mm) PVC |
| Dispensing Nozzle: | 3/4", Polypropylene |
| Barrel Adapter: | Polypropylene |
| Storage Bracket: | Steel |
| Max. Flow Rate: | 15 GPM (57 LPM) based on water |
| Max. Pressure: | 35 ft. (10,6 m) |
| Max. Viscosity: | 1500 cps (mPas) |
| Max. Temperature: | 190° F (88° C) |

PART NUMBER:

SPEK-PPS-27 (A)

27" (700mm) Pump Length

SPEK-PPS-39 (B)

39" (1000 mm) Pump Length

SPEK-PPS-47 (C)

47" (1200 mm) Pump Length

Drum Pump Motors



SPE-250



| MODEL | ENCLOSURE | POWER | WATT | V.S.D. | SHIPPING WT lbs (kg) |
|---------|------------------------|--------------|------|--------|-------------------------|
| SPE-250 | Open Drip Proof (IP44) | 230V/50-60Hz | 250 | No | 5,1 (2,3) |



Warning: Not suitable for pumping flammable or combustible liquids.

NOTE: V.S.D. = Variable Speed Drive



Warning: Not recommended for use with the SP-700SR Series pump.

SP-280P Series



| MODEL | ENCLOSURE | POWER | WATT | V.S.D. | SHIPPING WT lbs (kg) |
|-------------|------------------------|--------------------|------|--------|-------------------------|
| SP-280P | Open Drip Proof (IP44) | 110-120V/1/50-60Hz | 825 | No | 9.0 (4,0) |
| SP-280P-V | Open Drip Proof (IP44) | 110-120V/1/50-60Hz | 825 | Yes | 9.0 (4,0) |
| SP-280P-2 | Open Drip Proof (IP44) | 220-240V/1/50-60Hz | 825 | No | 9.0 (4,0) |
| SP-280P-2-V | Open Drip Proof (IP44) | 220-240V/1/50-60Hz | 825 | Yes | 9.0 (4,0) |

NOTE: V.S.D. = Variable Speed Drive



Warning: Not suitable for pumping flammable or combustible liquids.



Warning: Not recommended for use with the SP-700SR Series pump.

SP-ENC Series



| MODEL | ENCLOSURE | POWER | WATT | V.S.D. | SHIPPING WT lbs (kg) |
|------------|-------------|--------------------|------|--------|-------------------------|
| SP-ENC | TEFC (IP54) | 110-120V/1/50-60Hz | 825 | No | 12.7 (5,7) |
| SP-ENC-V | TEFC (IP54) | 110-120V/1/50-60Hz | 825 | Yes | 12.7 (5,7) |
| SP-ENC-2 | TEFC (IP54) | 220-240V/1/50-60Hz | 825 | No | 12.7 (5,7) |
| SP-ENC-2-V | TEFC (IP54) | 220-240V/1/50-60Hz | 825 | Yes | 12.7 (5,7) |



Warning: Not suitable for pumping flammable or combustible liquids.

NOTE: V.S.D. = Variable Speed Drive



SP-400-2



| MODEL | ENCLOSURE | POWER | WATT | V.S.D. | SHIPPING WT lbs (kg) |
|---------------------|-----------------|--|------|--------|-------------------------|
| SP-400-2 | Explosion Proof | 220-240V/1/50-60Hz | 550 | No | 24 (11) |
| ATEX Certification: | | DEMKO 04 ATEX 136195X II 2 G EEx de IIA T6 | | | |



See warning at bottom of page. NOTE: V.S.D. = Variable Speed Drive



WARNING: Pumping of flammables or combustible liquids can generate a static electric discharge, causing fire or explosion resulting in injury or death. Read and understand operating instructions before starting this unit. Follow all federal, state and local safety codes including NFPA 30 - NFPA77. Prior to connecting to air supply, install bond and ground wires and check continuity of each wire. A meter reading of one ohm or less is required for safe liquid transfer. Use only metallic drum, receiving vessel and metallic pump when pumping flammables. Air motors are not recognized under any current Underwriter's Laboratory listing program. Consult a qualified engineer for suitability for use in a hazardous area or on flammables.

Drum Pump Motors



SP-A1



| MODEL | CONSUMPTION | MAXIMUM INLET PRESSURE | OUTPUT | SHIPPING WT lbs (kg) |
|-------|---|------------------------|-----------------|----------------------|
| SP-A1 | 22 CFM @ 90 psi 10.4 L/sec @ 6,2 bar | 100 psi 6,8 bar | 1/2 HP 370 W | 2.7 (1,2) |



Warning: Not recommended for use with the SP-700SR Series pump.



SP-A2 Series



| MODEL | CONSUMPTION | MAXIMUM INLET PRESSURE | OUTPUT | SHIPPING WT lbs (kg) |
|--------------------------|---|------------------------|-----------------|----------------------|
| SP-A2 | 28 CFM @ 90 psi 13.2 L/sec @ 6,2 bar | 100 psi 6,8 bar | 3/4 HP 560 W | 3.4 (1,5) |
| SP-A2L (trigger lock) | 28 CFM @ 90 psi 13.2 L/sec @ 6,2 bar | 100 psi 6,8 bar | 3/4 HP 560 W | 3.4 (1,5) |



Warning: Not recommended for use with the SP-700SR Series pump.



Polypropylene Series

STANDARD's Polypropylene pump tube is engineered for transferring a variety of corrosive liquids. Robust Polypropylene ensures chemical resistance against light to aggressive chemicals.

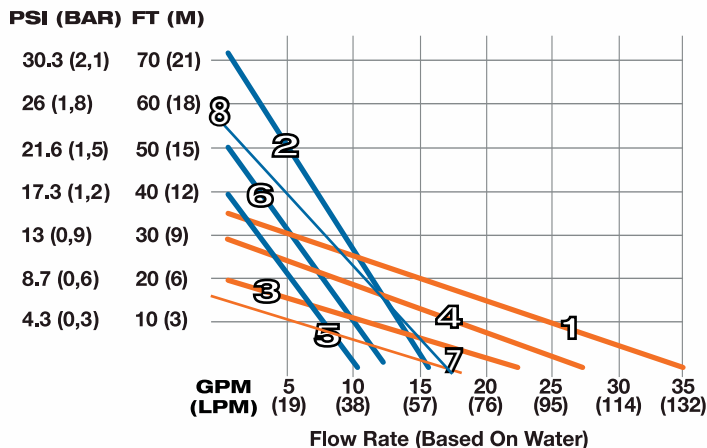
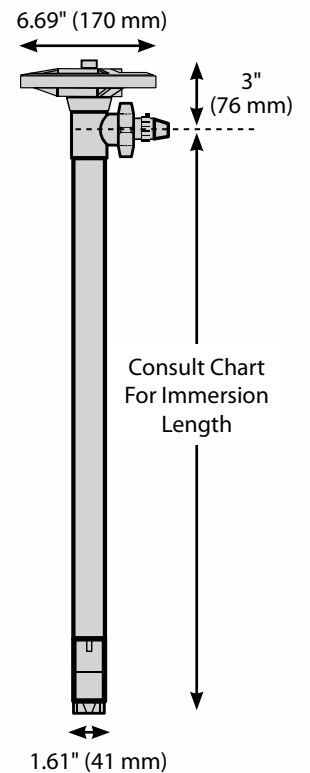
Common Applications

- Acetic Acid
- Sulfuric Acid
- Hydrochloric (20%)
- Nitric Acid (20%)
- Alkalis
- Ferric Chloride

Technical Specifications

| | |
|---------------------------|---|
| Wetted Parts: | Polypropylene, Carbon, Hastelloy |
| Maximum Viscosity: | 1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-400) 450 cps (mPas) (SP-A1) |
| Discharge Options: | 1" (25 mm) / .75" (19 mm) Hose Barb |
| Pump Design: | Seal-less / Centrifugal |
| Maximum Specific Gravity: | 1.8 |
| Maximum Temperature: | 130° F (55° C) |

| TUBE MODEL | ASSEMBLY | IMMERSION LENGTH | SHAFT | IMPELLER |
|-------------|---------------|------------------|-----------|---------------|
| SP-PP-27 | Polypropylene | 27" (700 mm) | Hastelloy | High Volume |
| SP-PP-39 | Polypropylene | 39" (1000 mm) | Hastelloy | High Volume |
| SP-PP-47 | Polypropylene | 47" (1200 mm) | Hastelloy | High Volume |
| SP-PP-50 | Polypropylene | 50" (1270 mm) | Hastelloy | High Volume |
| SP-PP-60 | Polypropylene | 60" (1500 mm) | Hastelloy | High Volume |
| SP-PP-72 | Polypropylene | 72" (1800 mm) | Hastelloy | High Volume |
| SP-PP-HH-27 | Polypropylene | 27" (700 mm) | Hastelloy | High Pressure |
| SP-PP-HH-39 | Polypropylene | 39" (1000 mm) | Hastelloy | High Pressure |
| SP-PP-HH-47 | Polypropylene | 47" (1200 mm) | Hastelloy | High Pressure |
| SP-PP-HH-50 | Polypropylene | 50" (1270 mm) | Hastelloy | High Pressure |
| SP-PP-HH-60 | Polypropylene | 60" (1500 mm) | Hastelloy | High Pressure |
| SP-PP-HH-72 | Polypropylene | 72" (1800 mm) | Hastelloy | High Pressure |



KEY:

- 1 SP-280P, SP-ENC / High Volume Tube
- 2 SP-280P, SP-ENC / High Pressure Tube
- 3 SP-A1 / High Volume Tube
- 4 SP-A2, SP-400 / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-400 / High Pressure Tube
- 7 SPE-250 / High Pressure Tube
- 8 SPE-250 / High Volume Tube

Warning: Not suitable for pumping flammable or combustible liquids

Polypropylene Series with 316SS Shaft

STANDARD's Polypropylene pump tube with 316SS shaft is engineered for transferring a variety of corrosive liquids. Robust Polypropylene and 316SS shaft ensures chemical resistance against light chemicals.

Common Applications

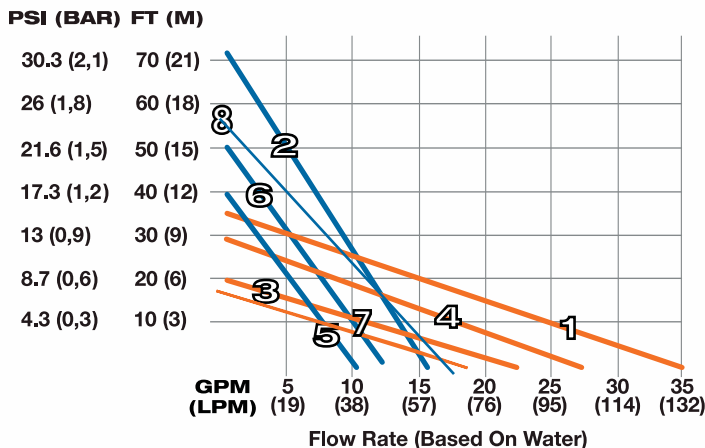
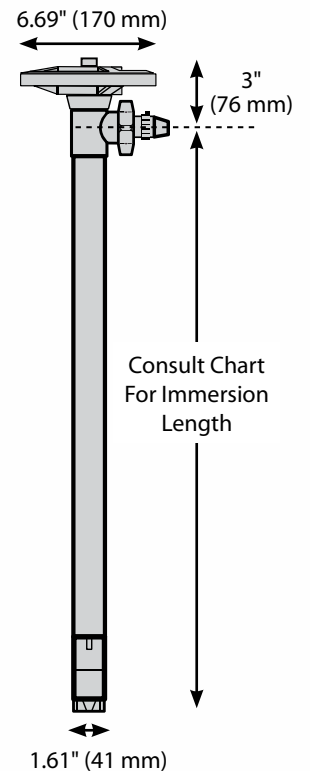
- Aluminiun Hydroxide
- Citric Acid
- Sodium Sulfate
- Etyhylene Glycol
- Glycerin
- Ferric Nitrate

Technical Specifications

| | |
|---------------------------|---|
| Wetted Parts: | Polypropylene, Carbon, 316SS |
| Maximum Viscosity: | 1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-400) 450 cps (mPas) (SP-A1) 250 cps (mPas) (SPE-250) |
| Discharge Options: | 1" (25 mm) / .75" (19 mm) Hose Barb |
| Pump Design: | Seal-less / Centrifugal |
| Maximum Specific Gravity: | 1.8 |
| Maximum Temperature: | 130° F (55° C) |



| TUBE MODEL | ASSEMBLY | IMMERSION LENGTH | SHAFT | IMPELLER |
|--------------|---------------|------------------|-----------------|---------------|
| SP-PPS-27 | Polypropylene | 27" (700 mm) | Stainless Steel | High Volume |
| SP-PPS-39 | Polypropylene | 39" (1000 mm) | Stainless Steel | High Volume |
| SP-PPS-47 | Polypropylene | 47" (1200 mm) | Stainless Steel | High Volume |
| SP-PPS-50 | Polypropylene | 50" (1270 mm) | Stainless Steel | High Volume |
| SP-PPS-60 | Polypropylene | 60" (1500 mm) | Stainless Steel | High Volume |
| SP-PPS-72 | Polypropylene | 72" (1800 mm) | Stainless Steel | High Volume |
| SP-PPS-HH-27 | Polypropylene | 27" (700 mm) | Stainless Steel | High Pressure |
| SP-PPS-HH-39 | Polypropylene | 39" (1000 mm) | Stainless Steel | High Pressure |
| SP-PPS-HH-47 | Polypropylene | 47" (1200 mm) | Stainless Steel | High Pressure |
| SP-PPS-HH-50 | Polypropylene | 50" (1270 mm) | Stainless Steel | High Pressure |
| SP-PPS-HH-60 | Polypropylene | 60" (1500 mm) | Stainless Steel | High Pressure |
| SP-PPS-HH-72 | Polypropylene | 72" (1800 mm) | Stainless Steel | High Pressure |



KEY:

- 1 SP-280P, SP-ENC / High Volume Tube
- 2 SP-280P, SP-ENC / High Pressure Tube
- 3 SP-A1 / High Volume Tube
- 4 SP-A2, SP-400 / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-400 / High Pressure Tube
- 7 SPE-250 / High Pressure Tube
- 8 SPE-250 / High Volume Tube

Warning: Not suitable for pumping flammable or combustible liquids

CPVC Series

STANDARD's CPVC pump tube is engineered for transferring corrosive chemicals commonly used in the Water Treatment Industry. Robust CPVC offers excellent durability and chemical resistance.

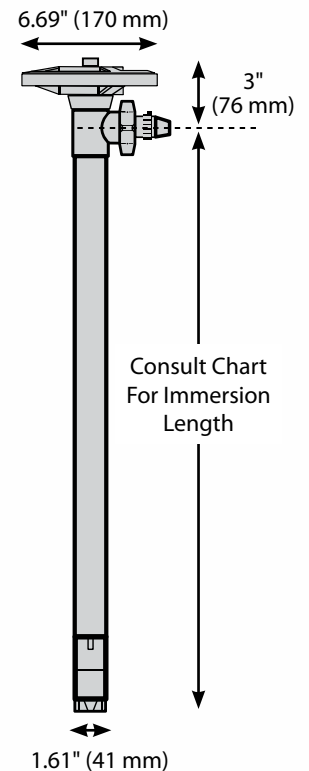
Common Applications

- Sodium Hypochlorite
- Calcium Chloride
- Calcium Hydroxide
- Chlorinated Water
- Potassium Hydroxide
- Sodium Bromide

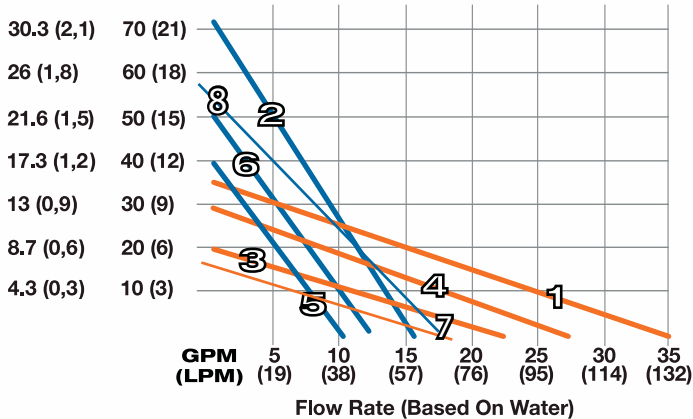
Technical Specifications

| | |
|---------------------------|---|
| Wetted Parts: | CPVC, Carbon, Hastelloy |
| Maximum Viscosity: | 1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-400) 450 cps (mPas) (SP-A1) |
| Discharge Options: | 1" (25 mm) / .75" (19 mm) Hose Barb |
| Pump Design: | Seal-less / Centrifugal |
| Maximum Specific Gravity: | 1.8 |
| Maximum Temperature: | 190° F (88° C) |

| TUBE MODEL | ASSEMBLY | IMMERSION LENGTH | SHAFT | IMPELLER |
|---------------|----------|------------------|-----------|---------------|
| SP-CPVC-27 | CPVC | 27" (700 mm) | Hastelloy | High Volume |
| SP-CPVC-39 | CPVC | 39" (1000 mm) | Hastelloy | High Volume |
| SP-CPVC-47 | CPVC | 47" (1200 mm) | Hastelloy | High Volume |
| SP-CPVC-50 | CPVC | 50" (1270 mm) | Hastelloy | High Volume |
| SP-CPVC-60 | CPVC | 60" (1500 mm) | Hastelloy | High Volume |
| SP-CPVC-72 | CPVC | 72" (1800 mm) | Hastelloy | High Volume |
| SP-CPVC-HH-27 | CPVC | 27" (700 mm) | Hastelloy | High Pressure |
| SP-CPVC-HH-39 | CPVC | 39" (1000 mm) | Hastelloy | High Pressure |
| SP-CPVC-HH-47 | CPVC | 47" (1200 mm) | Hastelloy | High Pressure |
| SP-CPVC-HH-50 | CPVC | 50" (1270 mm) | Hastelloy | High Pressure |
| SP-CPVC-HH-60 | CPVC | 60" (1500 mm) | Hastelloy | High Pressure |
| SP-CPVC-HH-72 | CPVC | 72" (1800 mm) | Hastelloy | High Pressure |



PSI (BAR) FT (M)



KEY:

- 1 SP-280P, SP-ENC / High Volume Tube
- 2 SP-280P, SP-ENC / High Pressure Tube
- 3 SP-A1 / High Volume Tube
- 4 SP-A2, SP-400 / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-400 / High Pressure Tube
- 7 SPE-250 / High Pressure Tube
- 8 SPE-250 / High Volume Tube

Warning: Not suitable for pumping flammable or combustible liquids

Stainless Steel Series

STANDARD's Stainless pump tube is engineered for transferring flammable and combustible liquids as well as light oils and suitable chemicals. Robust Stainless Steel 316 offers excellent strength and durability.

Common Applications

- Alcohol
- Isopropyl Ether
- Gasoline
- Solvents
- Aqueous Ammonia
- Petroleum Products

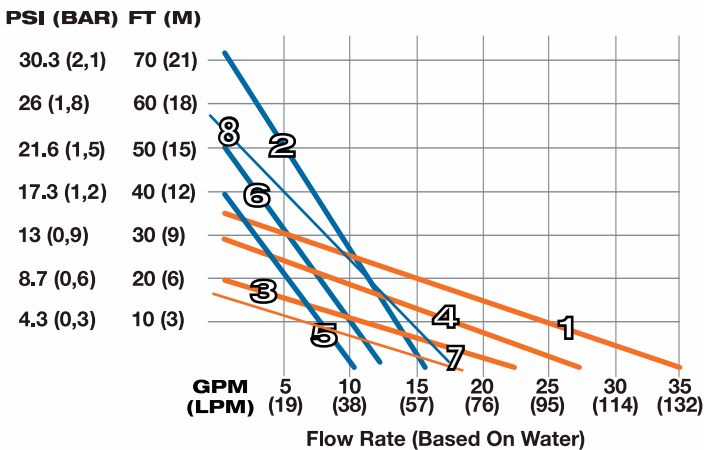
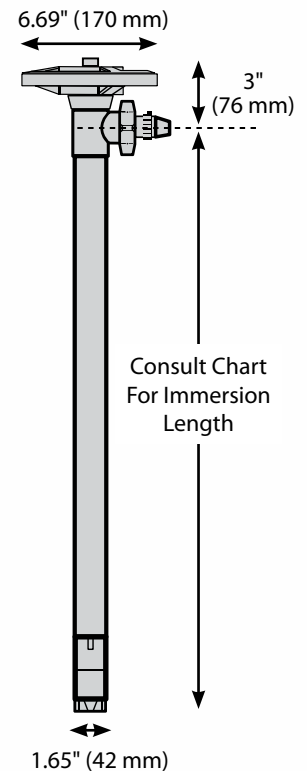
Technical Specifications



Wetted Parts: 316SS, Carbon, Teflon
 Maximum Viscosity: 1500 cps (mPas) (SP-280P, SP-ENC)
 750 cps (mPas) (SP-A2, SP-400)
 450 cps (mPas) (SP-A1)
 Discharge Options: 1" (25 mm) / .75" (19 mm) Hose Barb
 Pump Design: Seal-less / Centrifugal
 Maximum Specific Gravity: 1.8
 Maximum Temperature: 175° F (80° C)



| TUBE MODEL | ASSEMBLY | IMMERSION LENGTH | SHAFT | IMPELLER |
|-------------|---------------|------------------|---------------|---------------|
| SP-SS-27 | Stainless 316 | 27" (700mm) | Stainless 316 | High Volume |
| SP-SS-39 | Stainless 316 | 39" (1000 mm) | Stainless 316 | High Volume |
| SP-SS-47 | Stainless 316 | 47" (1200 mm) | Stainless 316 | High Volume |
| SP-SS-60 | Stainless 316 | 60" (1500 mm) | Stainless 316 | High Volume |
| SP-SS-72 | Stainless 316 | 72" (1800 mm) | Stainless 316 | High Volume |
| SP-SS-HH-27 | Stainless 316 | 27" (700 mm) | Stainless 316 | High Pressure |
| SP-SS-HH-39 | Stainless 316 | 39" (1000 mm) | Stainless 316 | High Pressure |
| SP-SS-HH-47 | Stainless 316 | 47" (1200 mm) | Stainless 316 | High Pressure |
| SP-SS-HH-60 | Stainless 316 | 60" (1500 mm) | Stainless 316 | High Pressure |
| SP-SS-HH-72 | Stainless 316 | 72" (1800 mm) | Stainless 316 | High Pressure |



KEY:

- 1 SP-280P, SP-ENC / High Volume Tube
- 2 SP-280P, SP-ENC / High Pressure Tube
- 3 SP-A1 / High Volume Tube
- 4 SP-A2, SP-400 / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-400 / High Pressure Tube
- 7 SPE-250 / High Pressure Tube
- 8 SPE-250 / High Volume Tube



Warning: When pumping flammable or combustible liquids pump tube must be used in conjunction with an explosion proof motor.

PVDF (Kynar®) Series

STANDARD's PVDF pump tube is engineered for transferring highly concentrated and aggressive liquids. Robust PVDF offers excellent durability and chemical resistance.

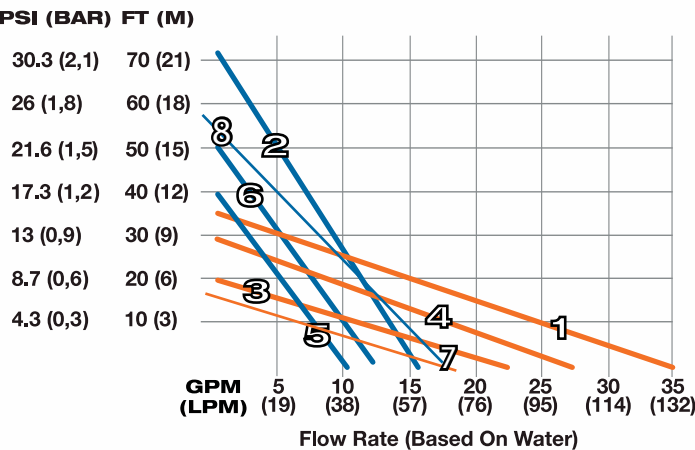
Common Applications

- Concentrated Nitric Acid
- Sulfuric Acid-66 Baume
- Sodium Hypochlorite
- Hydrofluoric Acid
- Propionic Acid
- Searic Acid

Technical Specifications

| | |
|---------------------------|---|
| Wetted Parts: | PVDF, Carbon, Hastelloy |
| Maximum Viscosity: | 1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-400) 450 cps (mPas) (SP-A1) |
| Discharge Options: | 1" (25 mm) / .75" (19 mm) Hose Barb |
| Pump Design: | Seal-less / Centrifugal |
| Maximum Specific Gravity: | 1.8 |
| Maximum Temperature: | 175° F (80° C) |

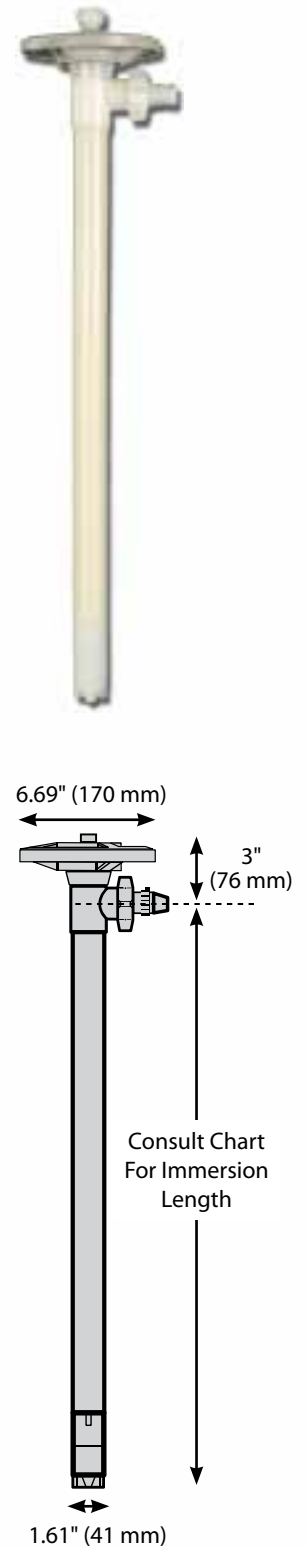
| TUBE MODEL | ASSEMBLY | IMMERSION LENGTH | SHAFT | IMPELLER |
|---------------|----------|------------------|-----------|---------------|
| SP-PVDF-27 | PVDF | 27" (700 mm) | Hastelloy | High Volume |
| SP-PVDF-39 | PVDF | 39" (1000 mm) | Hastelloy | High Volume |
| SP-PVDF-47 | PVDF | 47" (1200 mm) | Hastelloy | High Volume |
| SP-PVDF-50 | PVDF | 50" (1270 mm) | Hastelloy | High Volume |
| SP-PVDF-60 | PVDF | 60" (1500 mm) | Hastelloy | High Volume |
| SP-PVDF-72 | PVDF | 72" (1800 mm) | Hastelloy | High Volume |
| SP-PVDF-HH-27 | PVDF | 27" (700 mm) | Hastelloy | High Pressure |
| SP-PVDF-HH-39 | PVDF | 39" (1000 mm) | Hastelloy | High Pressure |
| SP-PVDF-HH-47 | PVDF | 47" (1200 mm) | Hastelloy | High Pressure |
| SP-PVDF-HH-50 | PVDF | 50" (1270 mm) | Hastelloy | High Pressure |
| SP-PVDF-HH-60 | PVDF | 60" (1500 mm) | Hastelloy | High Pressure |
| SP-PVDF-HH-72 | PVDF | 72" (1800 mm) | Hastelloy | High Pressure |



KEY:

- 1 SP-280P, SP-ENC / High Volume Tube
- 2 SP-280P, SP-ENC / High Pressure Tube
- 3 SP-A1 / High Volume Tube
- 4 SP-A2, SP-400 / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-400 / High Pressure Tube
- 7 SPE-250 / High Pressure Tube
- 8 SPE-250 / High Volume Tube

Warning: Not suitable for pumping flammable or combustible liquids



High Temperature Polypropylene Series

STANDARD's High Temperature Polypropylene (PHT) pump tube is engineered for transferring high temperature corrosive liquids. Robust Polypropylene ensures chemical resistance and excellent heat deflection properties against light to mildly aggressive chemicals.

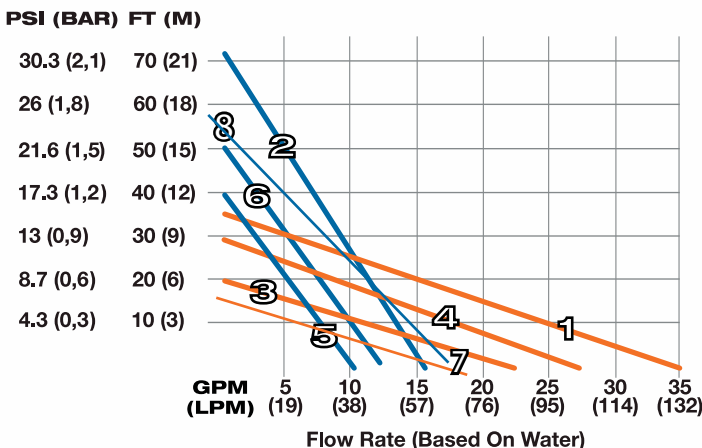
Common Applications

- Acetic Acid
- Sulfuric Acid
- Hydrochloric (20%)
- Nitric Acid (20%)
- Alkalies
- Ferric Chloride

Technical Specifications

| | |
|---------------------------|---|
| Wetted Parts: | Polypropylene, Carbon, Hastelloy |
| Maximum Viscosity: | 1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-400) 450 cps (mPas) (SP-A1) |
| Discharge Options: | 1" (25 mm) / .75" (19 mm) Hose Barb |
| Pump Design: | Seal-less / Centrifugal |
| Maximum Specific Gravity: | 1.8 |
| Maximum Temperature: | 175° F (80° C) |

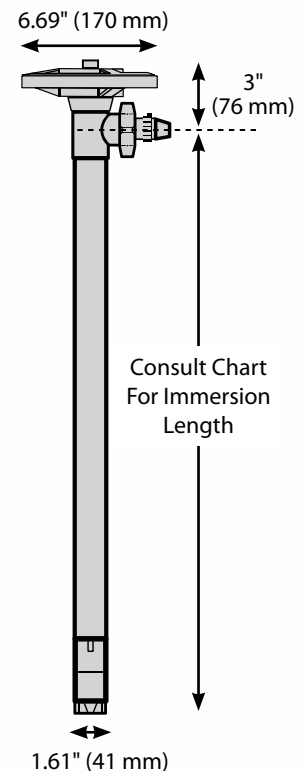
| TUBE MODEL | ASSEMBLY | IMMERSION LENGTH | SHAFT | IMPELLER |
|--------------|---------------|------------------|-----------|---------------|
| SP-PHT-27 | Polypropylene | 27" (700 mm) | Hastelloy | High Volume |
| SP-PHT-39 | Polypropylene | 39" (1000 mm) | Hastelloy | High Volume |
| SP-PHT-47 | Polypropylene | 47" (1200 mm) | Hastelloy | High Volume |
| SP-PHT-50 | Polypropylene | 50" (1270 mm) | Hastelloy | High Volume |
| SP-PHT-60 | Polypropylene | 60" (1500 mm) | Hastelloy | High Volume |
| SP-PHT-72 | Polypropylene | 72" (1800 mm) | Hastelloy | High Volume |
| SP-PHT-HH-27 | Polypropylene | 27" (700 mm) | Hastelloy | High Pressure |
| SP-PHT-HH-39 | Polypropylene | 39" (1000 mm) | Hastelloy | High Pressure |
| SP-PHT-HH-47 | Polypropylene | 47" (1200 mm) | Hastelloy | High Pressure |
| SP-PHT-HH-50 | Polypropylene | 50" (1270 mm) | Hastelloy | High Pressure |
| SP-PHT-HH-60 | Polypropylene | 60" (1500 mm) | Hastelloy | High Pressure |
| SP-PHT-HH-72 | Polypropylene | 72" (1800 mm) | Hastelloy | High Pressure |



KEY:

- 1 SP-280P, SP-ENC / High Volume Tube
- 2 SP-280P, SP-ENC / High Pressure Tube
- 3 SP-A1 / High Volume Tube
- 4 SP-A2, SP-400 / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-400 / High Pressure Tube
- 7 SPE-250 / High Pressure Tube
- 8 SPE-250 / High Volume Tube

Warning: Not suitable for pumping flammable or combustible liquids



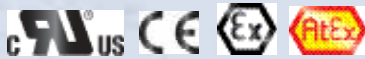
Motor & Tube Assembly Detail

Variable Speed Control



Unique Drop-In Brush System

Multi Certified Motors
Meet Stringent
North American and
European Safety Standards



Powerful 1.1 Hp (825 Watt)
110-120 / 220-240v

Thermal Overload or
Low Voltage Release
Switches

Motor Housing Provides
Added Chemical Resistance

Modular
Handwheel Design

Optional 1" (25 mm) or
.75" (19 mm) Barbed
Fitting

Thick, Robust Wall
Construction

PTFE Guide Sleeve
Finned Design





Hastelloy C276 Drive Shaft

Carbon Bushing





Impeller/Rotor Interchangeable for
High Volume/High Pressure Models

Accessories For Centrifugal Pumps

HAND NOZZLES

| PART NUMBER | DESCRIPTION | SEAL MATERIAL | |
|-------------|---|---------------|---|
| 9017 | Polypropylene – 1" O.D. (25 mm) – Hose Barb Intake | Viton |  |
| 9026 | Stainless 316 – 1" O.D. (25 mm) – Hose Barb Intake | PTFE |  |
| 9028 | PVDF – 1" O.D. (25 mm) – Hose Barb Intake Note: EPDM Seals are available upon request. | Viton |  |
| 9030 | Aluminum – 1" O.D. (25 mm) – Hose Barb Intake | Buna |  |

DISCHARGE HOSE

| PART NUMBER | DESCRIPTION | |
|-------------|--|---|
| LH-9032 | Clear Braided PVC 1" I.D. x 1.25" O.D. (25 mm x 32 mm) Max Temperature: 40°C Max Operating Pressure: 10 bar /20 °C |  |
| LH-9033 | Clear Braided PVC 3/4" I.D. x 1" O.D. (19 mm x 25 mm) Max Temperature: 40°C Max Operating Pressure: 13 bar /20 °C |  |
| LH-2536 | 1" Hose for diesel and petrol Max Operating Pressure: 20 bar/60 °C | |
| 9034M | Goodyear® FABCHEM™ UHMW 1" (25 mm) I.D. x 1.47 O.D. (25 mm x 37 mm) Max Temperature: 150°F (66°C) Max Operating Pressure: 200 psi (14 bar) Material of Construction: Ultra High Molecular Weight Polyethylene Note: Designed to be Used for Flammable / Combustible Liquids |  |
| 9044M | Goodyear® VIPER 16™ 1" (25 mm) I.D. x 1.45" O.D. (25 mm x 37 mm) Max Temperature: 250°F (121°C) Max Operating Pressure: 200 psi (14 bar) Material of Construction: Modified Cross-Linked Polyethylene |  |

*Viton is a registered trademark of DuPont Dow Elastomers.

Accessories For Centrifugal Pumps Continued

BARREL ADAPTERS

| PART NUMBER | MATERIAL | DESCRIPTION |
|-------------|---------------|----------------|
| 9015 | Polypropylene | 2" O.D. (51mm) |
| 9002 | Stainless 304 | 2" O.D. (51mm) |



FUME BARRIERS

| PART NUMBER | MATERIAL | DESCRIPTION |
|-------------|---------------|----------------------------|
| 9018 | Polypropylene | 2" O.D. (51 mm), EPDM Seal |
| 9019 | Stainless 304 | 2" O.D. (51 mm), EPDM Seal |



SUCTION STRAINERS

| PART NUMBER | MATERIAL | MESH SIZE |
|-------------|---------------|--------------------------|
| 9011 | Polypropylene | .63"x.098" (16x2,5 mm) |
| 9012 | Stainless 316 | .58"x.051" (14,7x1,3 mm) |
| 9043 | PVDF (Kynar®) | .63"x.098" (16x2,5 mm) |



QUICK DISCONNECT

| PART NUMBER | DESCRIPTION |
|-------------|--|
| 125A100C | Polypropylene – 1.25" Thread x 1" Barb (32 mm x 25 mm) |



WALL BRACKET

| PART NUMBER | DESCRIPTION |
|-------------|---|
| 9006 | Stainless Steel Wall Storage Bracket is Designed for Pump Storage |



Hand Pumps

Standard Pump Europe's hand pumps are engineered for transferring mainly oils from drums and storage tanks

Model - SPE OK 9B

Common Applications

- Motor oil to SAE 80
- Gearbox oil to SAE 80
- Hydraulic oil to SAE 80

Technical Specifications

| | |
|--------------------|--|
| Wetted Parts: | Steel, steel galvanised, brass, zinc casting alloy, POM, Novotex, Perbunan, Ramilon, Lupolen (not media touched) |
| Pump Design: | Simple-acting reciprocating piston pump |
| Flow rate: | approx. 0,25 liter/stroke |
| Outlet Manifold: | Drip tight outlet |
| Barrel connection: | G 2" |
| Suction Pipe: | 840mm |

Clasp for padlock
Adjustable drum screw connector



Model - SPE K10 C



Common Applications

- Diesel
- Heating Oil EL/L
- Fuels (AI-III)
- Petroleum
- Anti-freeze (undiluted)
- Low viscosity mineral oils

Technical Specifications

| | |
|--------------------|--|
| Wetted Parts: | Steel, steel galvanised, brass, zinc casting alloy, POM, Novotex, Perbunan, Ramilon, Lupolen (not media touched) |
| Pump Design: | Simple-acting reciprocating piston pump |
| Flow rate: | approx. 0,25 liter/stroke |
| Outlet Manifold: | Outlet clip for hose connection DN19 hose |
| Barrel connection: | M64x4 and G 2" |
| Suction Pipe: | 840mm |
| Outlet Hose: | 1,5m with outlet bend of galvanised steel |

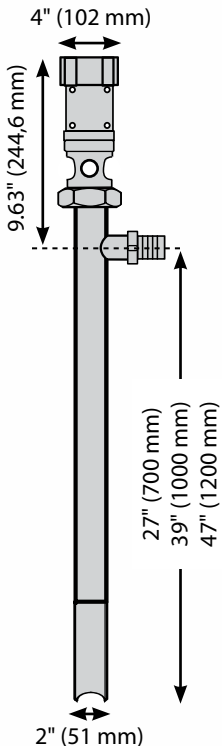


PROGRESSIVE CAVITY PUMPS



SP-700SR Progressive Cavity Series

STANDARD's 700SR series pumps are engineered to transfer viscous materials from drums and ToteTanks. The progressive cavity design delivers a continuous flow of material with little product degradation. Maximum viscosity is 25,000 cps (mPas).



Common Applications

- Polymers
- Adhesives
- Paints
- Resins
- Oils & Greases
- Varnishes

Technical Data

Design: Progressive Cavity / Positive Displacement

Maximum Viscosity:
 • 751 & 752 Series 25,000 cps (mPas)
 • 1851 Series 10,000 cps (mPas)

Discharge Port:
 1.5" (38 mm) Hose Barb
 Optional 1.25" (32 mm)

Stator Materials: Teflon, Viton or Buna
 Mechanical Seal: SiC/Viton/SiC
 Immersion Lengths:
 27" (700 mm)
 39" (1000 mm)
 47" (1200 mm)

Please add 5" (127 mm) to the immersion length of pump for the 752 series pumps.

Wetted Material: Tube & Rotor Assembly: 316 Stainless Steel
 Stator Material: Teflon, Viton, or Buna
 Motor Drives: TEFC & Explosion Proof
 Fittings: Threaded design enables operator to disassemble pump quickly for cleaning, maintenance and inspection

Maximum Flow Rate:
 • 1851 Series 12 GPM (45 LPM) based on water
 • 751 & 752 Series 7 GPM (26 LPM) based on water

Maximum Discharge Pressure:
 • 751 & 1851 Series 87 psi (6 bar)
 • 752 Series 174 psi (12 bar)

Maximum Temperature:
 • Teflon & Viton Stator 300° F (148° C)
 • Buna Stator 185° F (85° C)

Maximum Solid Size: .25" (6 mm)

Benefits

- Easy To Clean & Maintain
- Interchangeable Motor Drives
- Continuous Flow
- Low Shearing Properties
- Threaded Components

Warning: When pumping flammable or combustible liquids pump tube must be used in conjunction with an explosion proof motor.

Note: This pump is intended for intermittent duty use only.

Motor Drives



SP-ENC Series



SP-400-2

Note: Refer to pg. 8 for motor information

SP-700DD Progressive Cavity Series

STANDARD's 700DD series pumps are engineered to transfer viscous materials from drums and ToteTanks. The progressive cavity design delivers a continuous, smooth flow of material with little product degradation. Maximum viscosity is 100,000 cps (mPas).



Common Applications

- Polymers
- Resins
- Adhesives
- Oils & Greases
- Paints
- Varnishes

Technical Data

Design: Progressive Cavity / Positive Displacement

Maximum Viscosity:

- 751 & 752 Series: 100,000 cps (mPas)
- 1851 Series: 10,000 cps (mPas)

Discharge Port:

1.5" (38 mm) Hose Barb
Optional 1.25" (32 mm)

Stator Materials:

Teflon, Viton or Buna

Mechanical Seal:

SiC/Viton/SiC

Immersion Lengths:

27" (700 mm)
39" (1000 mm)
47" (1200 mm)

Wetted Material:

Tube & Rotor Assembly: 316 Stainless Steel
Stator Material: Teflon, Viton or Buna

Motor Drives:

TEFC & Pneumatic

Fittings:

Threaded design enables operator to disassemble pump quickly for cleaning, maintenance and inspection

Mounting Flange:

B14/C140-160

Maximum Flow Rate:

- 1851 Series: 12 GPM (45 LPM) based on water
- 751 & 752 Series: 7 GPM (26 LPM) based on water

Maximum Discharge Pressure:

- 751 & 1851 Series: 87 psi (6 bar)
- 752 Series: 174 psi (12 bar)

Maximum Temperature:

- Teflon & Viton Stator: 300° F (148° C)
- Buna Stator: 185° F (85° C)

Maximum Solid Size:

.25" (6 mm)

Benefits

- Easy To Clean & Maintain
- Continuous Flow
- Threaded Components
- Interchangeable Motor Drives
- Low Shearing Properties



Warning: When pumping flammable or combustible liquids pump tube must be used in conjunction with an explosion proof motor.

Motor Drives

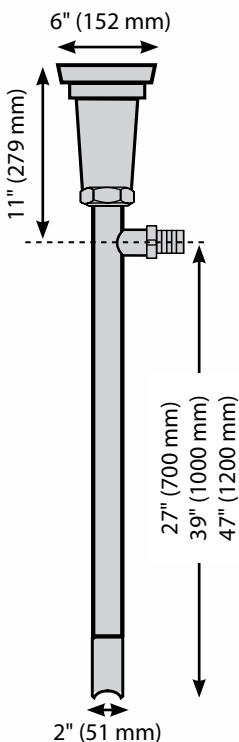


TEFC



Pneumatic

Note: Refer to pg. 24 for motor information



SP-700DD Pump Motors



Electric Motor 190/380 // 230/460 / 3 / 50-60 Hz


| MODEL | HP | KW | RPM | ENCLOSURE | FRAME | FLANGE |
|--------|----------------------------------|-----|---------|-------------|-------|----------|
| SP-502 | .75 | ,55 | 750-900 | TEFC (IP55) | 90LC | B14/C140 |
| SP-512 | 1.0 | ,75 | 750-900 | TEFC (IP55) | 100LC | B14/C160 |
| SP-522 | 1.5 | 1,1 | 750-900 | TEFC (IP55) | 100LC | B14/C160 |
| 0017 | Motor wiring for 230V/3/50-60 Hz | | | | | |



Pneumatic Motor

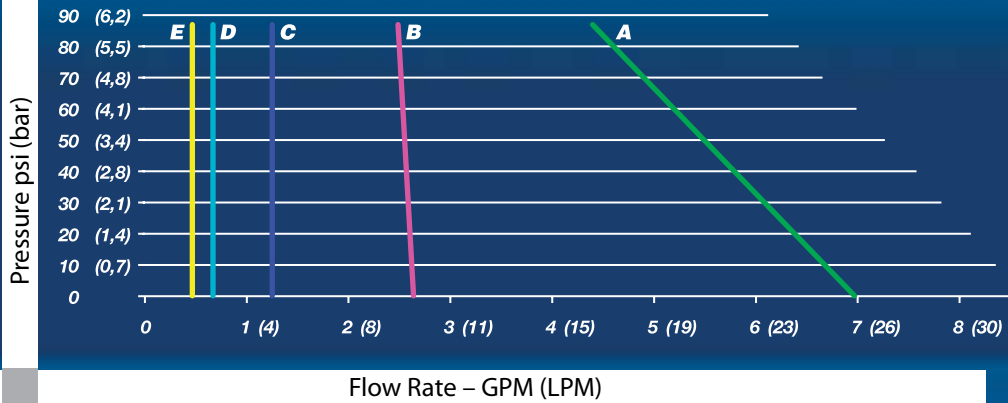
| MODEL | HP | KW | RPM | AIR CONSUMPTION | FRAME | Air CONN. Inch (mm) |
|-------|-----|-----|---------|---------------------------------------|------------|------------------------|
| SP-A4 | 2.0 | 1,5 | 300-900 | 80 CFM @ 100 psi 37 L/Sec @ 7 bar | IEC#72/D71 | .25" (6,3) |
| SP-A6 | 4.0 | 3,0 | 300-900 | 130 CFM @ 100 psi 65 L/Sec @ 7 bar | IEC#72/D80 | .5" (12,7) |
| SP-A8 | 5.0 | 3,7 | 300-900 | 170 CFM @ 100 psi 80 L/Sec @ 7 bar | IEC#72/D90 | .5" (12,7) |

Note: Optimal pneumatic motor speed is 900 RPM. Failure to comply may result in pump damage or premature failure.

 **WARNING:** Pumping of flammables or combustible liquids can generate a static electric discharge, causing fire or explosion resulting in injury or death. Read and understand operating instructions before starting this unit. Follow all federal, state and local safety codes including NFPA 30 - NFPA77. Prior to connecting to air supply, install bond and ground wires and check continuity of each wire. A meter reading of one ohm or less is required for safe liquid transfer. Use only metallic drum, receiving vessel and metallic pump when pumping flammables. Air motors are not recognized under any current Underwriter's Laboratory listing program. Consult a qualified engineer for suitability for use in a hazardous area or on flammables.

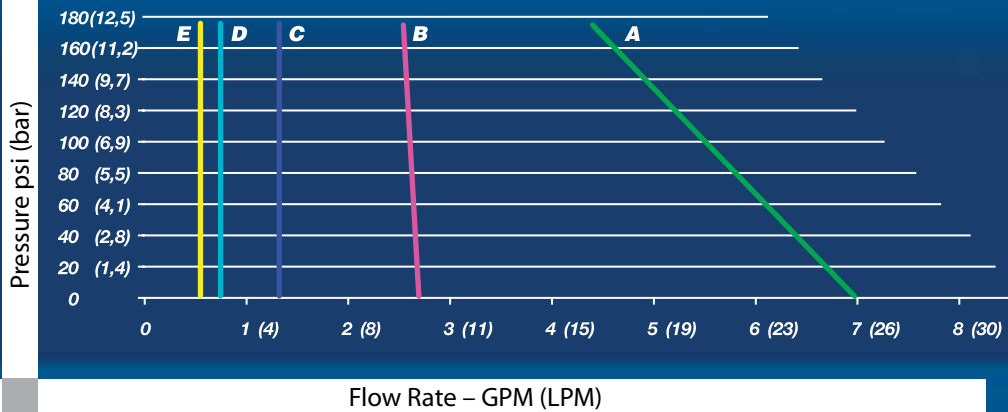
Performance Curves

751 Series Pumps



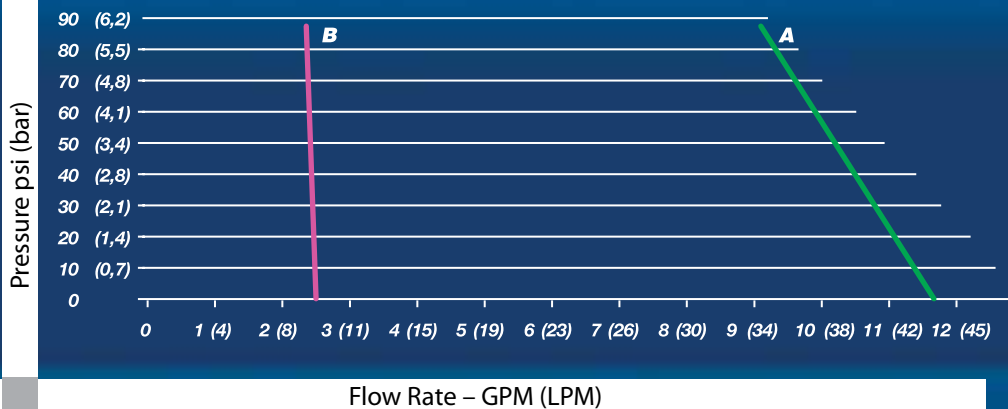
| | Viscosity cps (mPas) | Electric HP (KW) | Air HP (KW) |
|---|----------------------|------------------|-------------|
| A | 1 | .75 (.55) | 2 (1.5) |
| B | 10,000 | .75 (.55) | 2 (1.5) |
| C | 30,000 | 1 (.75) | 4 (3) |
| D | 60,000 | 1 (.75) | 4 (3) |
| E | 100,000 | 1.5 (1.1) | 5 (3.7) |

752 Series Pumps



| | Viscosity cps (mPas) | Electric HP (KW) | Air HP (KW) |
|---|----------------------|------------------|-------------|
| A | 1 | .75 (.55) | 2 (1.5) |
| B | 10,000 | .75 (.55) | 2 (1.5) |
| C | 30,000 | 1 (.75) | 4 (3) |
| D | 60,000 | 1 (.75) | 4 (3) |
| E | 100,000 | 1.5 (1.1) | 5 (3.7) |

1851 Series Pumps



| | Viscosity cps (mPas) | Electric HP (KW) | Air HP (KW) |
|---|----------------------|------------------|-------------|
| A | 1 | .75 (.55) | 2 (1.5) |
| B | 10,000 | .75 (.55) | 2 (1.5) |

Technical Notes

- Performance Curves are intended to be used as a guide only as individual results may vary.
- Pump Stator Elastomers (Teflon, Viton or Buna) may vary performance.
- Performance Curves were created using a 900 RPM motor. Reducing motor speed will decrease pump performance. Do NOT increase motor speed above 900 RPM's.
- Pump Curves were created with a Newtonian Polymer (Viscosity remains constant regardless of shear). Non-Newtonian materials (viscosity does not remain constant with shearing) may vary performance.

Accessories

DISCHARGE HOSE CLAMP

| PART NUMBER | DESCRIPTION |
|-------------|--|
| 9038 | Malleable Iron Two Bolt Clamp Gripping Ridges, Reinforced Lugs Hose Size from 1-48/64" to 2-3/64" (44,50 mm to 52 mm) Torque Value: 27 ft. lbs. (3,75 kg/m) for Proper Attachment |



RYCO TRANSFER HOSE

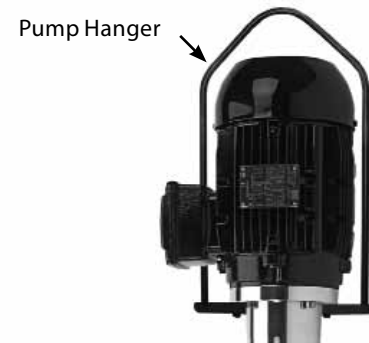
| PART NUMBER | DESCRIPTION |
|-------------|--|
| 9039 | Recommended For: High pressure hydraulic oil lines. Tube: Black, oil resistant synthetic rubber. (Nitrile). Reinforcement: One braid of high tensile steel wire. Cover: Black, oil and abrasion resistant synthetic rubber. Flame Resistance: Meets Flame Resistant Designation "GL" Germanischer Lloyd. Meets Flame Resistant Designation "U.S. MSHA" of the US Department of Labor, Mine Safety and Health Administration. |



| Nom. ID DIN/in/Dash | Nom. OD mm | Bend Radius mm | Vacuum in/mm | Weight kg/m | Temp Range F°/C° |
|-------------------------------------|---------------|------------------------------------|-----------------|---|-----------------------|
| 40/1.5/-24 | 50,5 | 500 | 27/685,8 | 1,59 | -30 to 220/-34 to 104 |
| Max Dynamic WP psi/bar 725/50 | | Max Static WP psi/bar 970/67 | | Min Burst Pressure psi/bar 2900/200 | |

PUMP HANGER

| PART NUMBER | DESCRIPTION |
|-------------|---|
| 743 | Pump Hanger Provides a Convenient Solution for Attaching the Pump to a Hoist System |



QUICK DISCONNECT

| PART NUMBER | DESCRIPTION |
|---------------|--|
| 150DSS/150ESS | 1.5" (38 mm), SS316 Cam Lever Couplings, Buna N Gaskets, Max. Pressure: 150 psi (10,2 bar). |



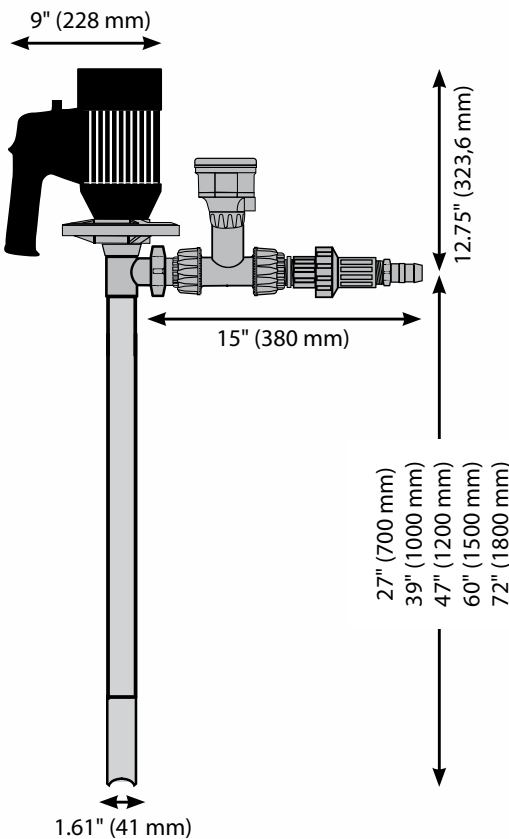
METERING SYSTEMS

METERING SYSTEMS



Batch Control System (Low Viscosity)

STANDARD's Batch Control System (BCS) is engineered to control, measure and dispense preset volumes of liquid from drums, IBC's, plating tanks or any large storage vessel. The BCS can be used in an industry where batching, chemical packaging or dilution is required to be accurate and efficient. Simply dial in the desired volume, press ENTER and the BCS delivers a preset volume of liquid virtually hands-free.



Common Applications

- Chemical Packaging
- Chemistry For Plating Tanks
- Water Treatment Chemicals
- Chemical Delivery

Features

- Turbine Paddle Wheel Design
- Measures: Gallons, Liters, Cubic Meters
- Re-settable Totalizer
- User Friendly "In Field" Calibration
- 7 Pre-Set Batches
- Remote Start Capabilities
- Relay Output Signal

Technical Data

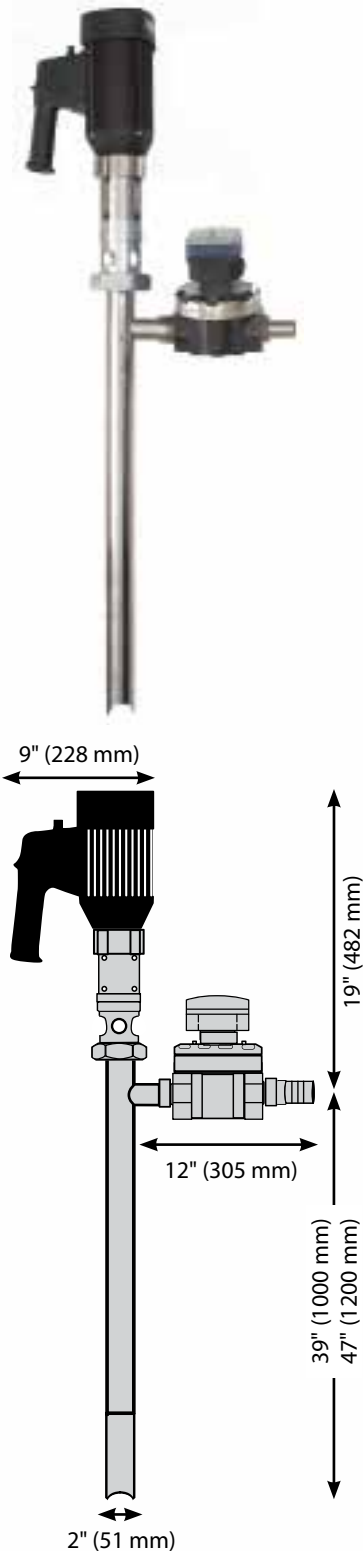
| | |
|-------------------------|--|
| Available Wetted Parts: | Polypropylene, PVDF, Ceramic & Halar |
| Motor Drive: | Open Drip Proof (IP44) or TEFC (IP54) (110-120 / 220-240v) |
| Discharge Fitting: | 1" (25 mm) Hose Barb |
| Pumping Principle: | Centrifugal / Seal-less |
| Flow Range: | 1.17 GPM (4,4 LPM) – 27 GPM (102,2 LPM) |
| Maximum Viscosity: | 300 cps (mPas) |
| Immersion Length: | 27" (700 mm), 39" (1000 mm), 47" (1200 mm) 60" (1500 mm), 72" (1800 mm) |
| Accuracy: | +/- 0.61 % of Full Scale +/- 1% of Reading |
| Maximum Temperature: | Polypropylene 130° F (55° C) Stainless & PVDF 175° F (80° C) |



Controller Display

Batch Control System (High Viscosity)

STANDARD's Batch Control System (BCS) is engineered for high precision dosing and filling operations containing viscous materials. The Batch Control System is constructed with robust materials and a choice of motor drives, providing versatility and safety for the most challenging applications. Simply dial in desired volume, press ENTER, and the BCS delivers a preset volume of material virtually hands-free.



Common Applications

- Polymers
- Paints
- Oils
- Resins
- Varnishes (Non-Flammable)
- Petroleum Products

Features

- Oval Gear Design
- Measures: Gallons, Liters, Cubic Meters
- Re-settable Totalizer
- User Friendly "In Field" Calibration
- 7 Pre-Set Batches
- Remote Start Capabilities
- Relay Output Signal

Technical Data

| | |
|--------------------------|--|
| Wetted Parts: | 316SS / PPS / Aluminum / Teflon |
| Motor Drive: | TEFC (IP54) |
| Discharge Fitting: | 1.5" (38 mm) Hose Barb |
| Mechanical Seal: | SiC/Viton/SiC |
| Pumping Principle: | Progressive Cavity – Positive Displacement |
| Max. Discharge Pressure: | 87 psi (6 bar) |
| Flow Range: | 2.6 GPM (9,8 LPM) – 12 GPM (45 LPM) based on water |
| System Weight: | 44 Lbs (20 Kg) |
| Immersion Length: | 39" (1000 mm) or 47" (1200 mm) |
| Viscosity Range: | 1-10,000 cps (mPas) |
| | P/N: 7610 (110v), 7611 (220v) – 39" (1000 mm) |
| | P/N: 7620 (110v), 7621 (220v) – 47" (1200 mm) |
| | 10,000-25,000 cps (mPas) |
| | P/N: 7614 (110v), 7615 (220v) – 39" (1000 mm) |
| | P/N: 7624 (110v), 7625 (220v) – 47" (1200 mm) |
| Metering Principle: | Oval Gear |
| Accuracy: | +/- 0.63 % of Full Scale |
| | +/- 1% of Reading |
| Maximum Temperature: | 176° F (80° C) |



Controller Display

Turbine Flow Meters

STANDARD's Flow Meters address a broad scope of applications ranging from inert solutions to aggressive chemicals. These meters utilize a proven paddle wheel design and are available in a variety of sizes and materials. Meters are available in three configurations: Kits for Drum Pumps, Barb Connections, or Permanent Installation.



Common Applications

- Pump Monitoring
- Gravity Feed Applications From Tanks
- Continuous Flow Measurement
- Adding Chemistry to Plating Tanks
- Chemical Packaging
- Blending Agricultural Products
- Adding Colors and Fragrances

Features

- Measures Flow Rate and Volume
- IP65 Enclosure
- Re-settable Totalizer
- Battery Status Indicator
- User Friendly "In Field" Calibration
- EE Prom Electronics
- Two Line Alphanumeric Display Shows Flow Rate & Total Flow Together

Technical Data



Paddlewheel Technology

| | |
|----------------------|---|
| Available Sizes: | Polypropylene & PVDF 0.5" (13 mm) – 1.5" (38 mm) SS316 0.75" (19 mm) – 1.25" (32 mm) |
| Accuracy: | +/- 0.61% of Full Scale +/- 1% of Reading |
| Available Materials: | Polypropylene, PVDF or SS316 |
| Maximum Viscosity: | 300 cps (mPas) |
| Units of Measure: | Gallons, Liters, Cubic Meters |
| Temperature Range: | Polypropylene -4°–176° F (-20°–80° C) Stainless & PVDF -22°–212° F (-30°–100° C) |
| Metering Principle: | Turbine (Paddle Wheel) |
| Maximum Pressure: | 150 psi (10,5 bar) @ 70° F (20° C) |
| Flow Range: | 0.5" (13 mm): 0.42 GPM (1,6 LPM) – 22.4 GPM (84,8 LPM) 0.75" (19 mm): 0.75 GPM (2,8 LPM) – 39.8 GPM (150,7 LPM) 1.0" (25 mm): 1.17 GPM (4,4 LPM) – 62.2 GPM (235,4 LPM) 1.25" (32 mm): 1.91 GPM (7,2 LPM) – 102 GPM (386,1 LPM) 1.5" (38 mm): 2.99 GPM (11,3 LPM) – 159.3 GPM (603 LPM) |

Oval Gear Flow Meters

STANDARD's positive displacement flow meters are suitable for measuring a broad scope of materials ranging from water-like liquid to viscous materials. The meter utilizes proven oval gear technology to accurately measure flow rate and volume dispensed. The meter housing is available in Aluminum (with PPS gears) or Stainless Steel (with Stainless gears).



Common Applications

- Pump Monitoring
- Filling Applications
- Viscous Materials
- Polymers
- Paints
- Resins

Features

- Measures Flow Rate and Volume
- IP65 Enclosure
- Re-Settable Totalizer
- User Friendly "In Field" Calibration
- EE Prom Electronics
- Two Line Alphanumeric 12 Digit Display Shows Flow Rate & Total Flow Together

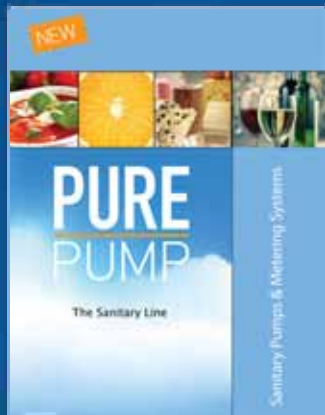
Technical Data

| | |
|----------------------|--|
| Available Sizes: | 0.5" (13 mm) – 2" (51 mm) |
| Shaft: | 316SS |
| O-Ring: | NBR (Nitrile) |
| Ports: | FNPT Inlet and Outlet Connections |
| Accuracy: | +/- 0.63% of Full Scale +/- 1% of Reading |
| Housing Materials: | Aluminum (w/ PPS Gears) or SS316 (w/ SS316 Gears) |
| Maximum Viscosity: | 1,000,000 cps (mPas) |
| Units of Measure: | Gallons, Liters, Cubic Meters |
| Maximum Temperature: | Aluminum 176° F (80° C) SS316 248° F (120° C) |
| Metering Principle: | Oval Gear |
| Maximum Pressure: | 0.5" (13 mm) & 1" (25 mm): 800 psi (55 bar) 1.5" (38 mm) & 2" (51 mm): 260 psi (18 bar) |
| Flow Range: | 0.5" (13 mm): 0.26 GPM (1 LPM) – 7.93 GPM (30 LPM) 1.0" (25 mm): 1.6 GPM (6 LPM) – 31.7 GPM (120 LPM) 1.5" (38 mm): 2.6 GPM (10 LPM) – 66 GPM (250 LPM) 2" (51 mm): 4 GPM (15 LPM) – 92 GPM (350 LPM) |
| Power Source: | 110 / 230 VAC |





Additional Markets Served:



Pure Pump - The Sanitary Line



DEF Pumps

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