

Corporate Profile

Throughout our history we have been recognized for our commitment to product quality, customer care, and market knowledge. Headquartered outside Atlanta, Georgia USA, STANDARD PUMP, INC continues to build a global team of factory certified distributors which currently expands to fifty-eight countries.

STANDARD pumps are commonly used throughout the: Chemical Processing, Waste Water Treatment, Plating, Medical, Semi-Conductor, Agriculture, and Petroleum industries worldwide.

Our new state of the art 80,000 sq. ft (25,000 sq. meters) Production Facility enables STANDARD to meet or exceed the demands of the market by producing the highest quality product. In addition, all products undergo stringent quality control review during the molding process at our "turn-key" molding facility. All pumps are manufactured according to safety guidelines set forth by agencies such as Demko and Underwriter's Laboratory in order to ensure the highest quality product and most importantly - your safety.



Production Facility



Distribution Center



Molding Facility

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QUALITY MATERIALS FOR INDUSTRIAL APPLICATIONS

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Polypropylene is a high quality industrial strength plastic.
Polypropylene is commonly used in a variety of industries, due to it's chemical resistance & durability.

Maximum Temperature: 130°F / 55°C

Stainless steel 316 is a high quality metal typically used in applications involving solvent-based flammable liquids. In addition, stainless 316 is used in the food/beverage industry.

Polyvinyliden

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Polyvinylidenfluoride (PVDF) is a high quality industrial strength plastic. PVDF is commonly used in applications where concentrated, aggressive liquids are present.

Maximum Temperature: 175°F / 80°C

Teflon

Teflon® is a high quality plastic material that provides excellent chemical resistance and durability. In addition, Teflon® provides excellent heat deflection.

Hastello

У

Hastelloy C is high grade metal used for a variety of applications requiring excellent strength and chemical resistance. Commonly used in applications requiring "intrinsically safe materials" while preventing chemical attack.

V i t o n Viton® is a quality material that provides chemical resistance.
Viton® is an excellent choice for sealing applications throughout a variety of industries.

Applications



Drums & Barrels



Large Storage Vessels



Laboratory



Small Storage Vessels

Markets Served



Waste Water Treatment

CHEMICAL MANUFACTURING

PLATING

SEMI-CONDUCTOR

PHARMACEUTICAL

AGRICULTURE

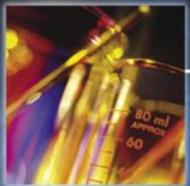
PETROLEUM











www.standardpump.com

Drum Pump Motors

Engineered for use in corrosive environments. Ideally suited for transferring acids and alkalies.

Model	Enclosure	Power	Watt	V.F.D
SP-ODP	O.D.P	115/1/50-60	450	No
SP-ODP-2	O.D.P	230/1/50-60	450	No

A

Warning: Not Suitable For Pumping Flammable or Combustible Liquids

NOTE: V.F.D = Variable Frequency Drive

Engineered for use in corrosive environments. Ideally suited for transferring acids and alkalies.

Model	Enclosure	Power	Watt	V.F.D
SP-280P	O.D.P (IP44)	115/1/50-60	825	No
SP-280P-V	O.D.P (IP44)	115/1/50-60	825	Yes
SP-280P-2	O.D.P (IP44)	230/1/50-60	825	No
SP-280P-2-V	O.D.P (IP44)	230/1/50-60	825	Yes

Warning: Not Suitable For Pumping Flammable or Combustible Liquids

NOTE: V.F.D = Variable Frequency Drive

Engineered for use in heavily corrosive environments or when aggressive fumes are present. Ideally suited for transferring concentrated acids and alkalies.

Model	Enclosure	Power	Watt	V.F.D
SP-ENC	T.E.F.C (IP 54)	115/1/50-60	825	No
SP-ENC-V	T.E.F.C (IP 54)	115/1/50-60	825	Yes
SP-ENC-2	T.E.F.C (IP 54)	230/1/50-60	825	No
SP-ENC-2-V	T.E.F.C (IP 54)	230/1/50-60	825	Yes

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Warning: Not Suitable For Pumping Flammable or Combustible Liquids

NOTE: V.F.D = Variable Frequency Drive

SP-ODP Series



SP-280P Series



SP-ENC Series



Drum Pump Motors

SP-400 Series



Engineered for use hazardous duty locations. Ideally suited for transferring flammable/combustible liquids.



 $(\in \langle \epsilon_x \rangle \langle At \epsilon_x 100 \rangle$

Model	Enclosure	Power	Watt	V.F.D	
SP-400-2	EXP	230/1/50-60	550	No	
EEx de IIA 1	r5 EN 50014				
E II 2 G EEx de IIA T6					



See warning at bottom of page.

SP-A2 Series



Engineered for hazardous duty locations or when air is the desired power source. Ideally suited for transferring flammable/combustible liquids.

Model	Consumption	Max. Inlet Pressure	Output
SP-A2	28 CFM@90 psi	100 psi	3/4 hp
	13.2 L/sec @ 6.2 bar	6.8 bar	560 w



See warning at bottom of page.

SP-A1 Series



Engineered for hazardous duty locations or when air is the desired power source. Ideally suited for transferring flammable/combustible liquids.

Model	Consumption	Max. Inlet Pressure	Output
SP-A1	22 CFM@90 psi	100 psi	1/2 hp
	10.4 L/sec @ 6.2 bar	6.8 bar	370 w



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. Perior 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 (SP-SS) 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.

CPVC Series

STANDARD's CPVC pump tube is engineered for transferring corrosive chemicals associated with the water treatment industry. Robust CPVC offers excellent durability and chemical resistance.

APPLICATIONS

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

TECHNICAL DATA

➤ Calcium Chloride

Design: Seal-less / Centrifugal **Maximum Temp:** 190°F/90°C

Viscosity: 1500 Cps/mPas (280, ENC, 400) Wetted Materials: CPVC

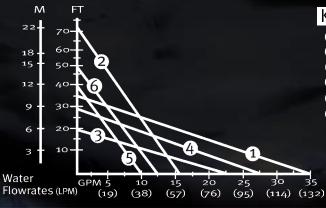
750 Cps/mPas (A-2, ODP) Carbon 450 Cps/mPas (A-1) Hastelloy

Maximum

Discharge Options: 1" (25mm) barb Specific Gravity: 1.8

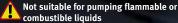
3/4" (22mm) barb

Model	Tube Assembly	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-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-60	CPVC	60" (1500 mm)	Hastelloy	High Pressure
SP-CPVC-HH-72	CPVC	72" (1800 mm)	Hastelloy	High Pressure



KEY:

- 1 280,ENC, 400/High Volume Tube
- 2 280,ENC, 400/High Pressure Tube
- 3 A-1/High Volume Tube
- 4 A-2, ODP/High Volume Tube
- 5 A-1/High Pressure Tube
- 6 A-2, ODP/High Pressure Tube





Polyvinylidenfluoride Series



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

APPLICATIONS

- Concentrated Nitric Acid
- ➤ Sodium Hypoclorite
- ➤ Propionic Acid

- Sulfuric Acid-66 Baume
- ➤ Hydrofluoric Acid
- ➤ Stearic Acid

TECHNICAL DATA

Design: Seal-less / Centrifugal

Maximum Temp: 175°F/80°C

Viscosity: 1500 Cps/mPas (280, ENC, 400) Wetted Materials: PVDF

750 Cps/mPas (A-2, ODP)

Carbon Hastellov

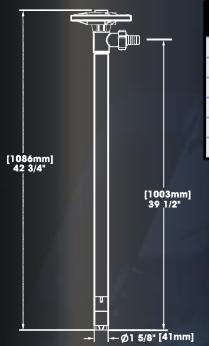
450 Cps/mPas (A-1)

Maximum

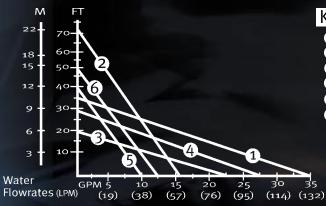
Discharge Options: 1" (25mm) barb

Specific Gravity: 1.8

3/4" (22mm) barb



Model	Tube Assembly	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-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



KEY:

- 1 280,ENC, 400/High Volume Tube
- 2 280,ENC, 400/High Pressure Tube
- **3** A-1/High Volume Tube
- 4 A-2, ODP/High Volume Tube
- **5** A-1/High Pressure Tube
- 6 A-2, ODP/High Pressure 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. Robust Stainless Steel 316 offers excellent strength and durability.

APPLICATIONS

➤ Alcohol

- ➤ Gasoline
- ➤ Aqueous Ammonia
- ➤ Solvents
- ➤ Petroleum Products

TECHNICAL DATA

Isopropyl Ether

Design: Seal-less / Centrifugal

Maximum Temp: 175°F/80°C

750 C_{DS}/mP_{DS} (A.2. C_{DS}/mP_{DS}

Viscosity: 1500 Cps/mPas (280, ENC, 400) Wetted Materials: Stainless 316

750 Cps/mPas (A-2, ODP)

Carbon Teflon

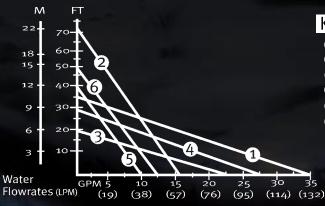
450 Cps/mPas (A-1)

Maximum

Discharge Options: 1" (25mm) barb 3/4" (22mm) barb

Specific Gravity: 1.8

Model	Tube Assembly	Length	Shaft	Impeller
SP-SS-27	Stainless	27" (700 mm)	Stainless	High Volume
SP-SS-39	Stainless	39" (1000 mm)	Stainless	High Volume
SP-SS-47	Stainless	47" (1200 mm)	Stainless	High Volume
SP-SS-60	Stainless	60" (1500 mm)	Stainless	High Volume
SP-SS-72	Stainless	72" (1800 mm)	Stainless	High Volume
SP-SS-HH-27	Stainless	27" (700 mm)	Stainless	High Pressure
SP-SS-HH-39	Stainless	39" (1000 mm)	Stainless	High Pressure
SP-SS-HH-47	Stainless	47" (1200 mm)	Stainless	High Pressure
SP-SS-HH-60	Stainless	60" (1500mm)	Stainless	High Pressure
SP-SS-HH-72	Stainless	72" (1800 mm)	Stainless	High Pressure

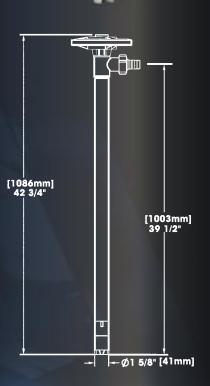


KEY:

- 1 280,ENC, 400/High Volume Tube
- 2 280,ENC, 400/High Pressure Tube
- 3 A-1/High Volume Tube
- 4 A-2, ODP/High Volume Tube
- 5 A-1/High Pressure Tube
- 6 A-2, ODP/High Pressure Tube



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



Polypropylene Series



STANDARD's Polypropylene pump tube is engineered for transferring corrosive liquids. Robust Polypropylene ensures chemical resistance against light to mildly aggressive media.

APPLICATIONS

Acetic Acid

➤ Hydrochloric - 20%

➤ Nitric Acid - 20%

Alkalies

➤ Ferric Chloride

TECHNICAL DATA

Sulfuric Acid

Design: Seal-less / Centrifugal

Maximum Temp: 130°F/55°C

Viscosity: 1500 Cps/mPas (280, ENC, 400) Wetted Materials: Polypropylene 750 Cps/mPas (A-2, ODP)

Carbon

Cps/mPas (A-1)

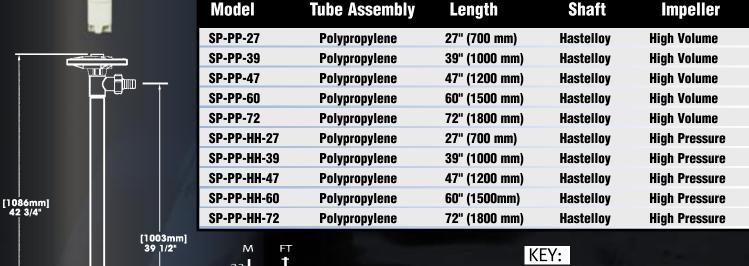
Hastelloy

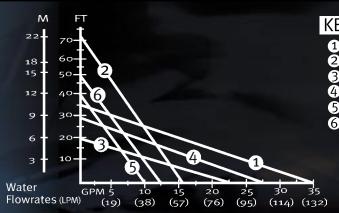
Discharge Options: 1" (25mm) barb

3/4" (22mm) barb

Specific Gravity: 1.8

Maximum





- 1 280,ENC, 400/High Volume Tube
- 2 280,ENC, 400/High Pressure Tube
- **3** A-1/High Volume Tube
- 4 A-2, ODP/High Volume Tube
- **5** A-1/High Pressure Tube
- 6 A-2, ODP/High Pressure Tube



Warning: Not suitable for pumping flammable or combustible liquids

-- Ø1 5/8" [41mm]

Polypropylene High Temperature Series

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

APPLICATIONS

- ➤ Acetic Acid
- ➤ Hydrochloric 20%
- Sulfuric Acid ➤ Nitric Acid 20%
- ➤ Alkalies
- ➤ Ferric Chloride

TECHNICAL DATA

Design: Seal-less / Centrifugal Maximum Temp: 175°F/80°C

Viscosity: 1500 Cps/mPas (280, ENC, 400) Wetted Materials: Polypropylene

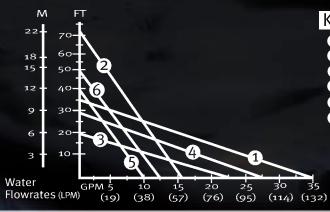
750 Cps/mPas (A-2, ODP) Carbon 450 Cps/mPas (A-1) Hastelloy

Maximum

Discharge Options: 1" (25mm) barb Specific Gravity: 1.8

3/4" (22mm) barb

Model	Tube Assembly	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-60	Polypropylene	60" (15 00 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-60	Polypropylene	60" (1500mm)	Hastelloy	High Pressure
SP-PHT-HH-72	Polypropylene	72" (1800 mm)	Hastelloy	High Pressure

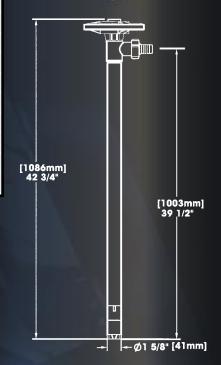


KEY:

- 1 280,ENC, 400/High Volume Tube
- 2 280,ENC, 400/High Pressure Tube
- **3** A-1/High Volume Tube
- 4 A-2, ODP/High Volume Tube
- 5 A-1/High Pressure Tube
- 6 A-2, ODP/High Pressure Tube



Warning: Not suitable for pumping flammable or combustible liquids



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 or SP-280P-2

Pump assembly: CPVC

Pump length: 39" (1000 mm)

PVC hose: 6 ft. (1.8 m), I.D. 1" (25 mm) Dispensing nozzle: 1" (25 mm), polypropylene

Barrel adapter: Polypropylene

Storage bracket: 16 gauge coated steel
Max flow rate: 35 GPM (132 LPM)
Max. pressure: 35 ft. (10 M)

Max. viscosity: 1500 CPS / Mpas Max. temperature: 190°F (90°C)

PART NUMBER:

9430 110 Volt package9431 230 Volt package

PUMP PACKAGE 2

(Acids & Alkalies)

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

Motor type: SP-280P or SP-280P-2

Pump assembly: Polypropylene Pump length: 39" (1000 mm)

PVC hose: 6 ft. (1.8 m), I.D. 1" (25 mm)
Dispensing nozzle: 1" (25 mm), polypropylene

Barrel adapter: Polypropylene
Storage bracket: 16 gauge coated steel
Max flow rate: 35 GPM (132 LPM)
Max. pressure: 35 ft. (10 M)

Max. pressure: 35 ft. (10 M)
Max. viscosity: 1500 CPS / Mpas
Max. temperature: 130°F (55°C)

PART NUMBER:

9400 110 Volt package9401 230 Volt package

PUMP PACKAGE 3

(Concentrated Acids & Alkalies)

Engineered for transferring 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 or SP-ENC-2

Pump assembly: PVDF

Pump length: 39" (1000 mm)

PVC hose: 6 ft. (1.8 m), I.D. 1" (25 mm)

Dispensing nozzle: 1" (25 mm), PVDF Barrel adapter: Polypropylene

Storage bracket: 16 gauge coated steel
Max flow rate: 35 GPM (132 LPM)
Max. pressure: 35 ft. (10 M)
Max. viscosity: 1500 CPS / Mpas

Max. temperature: 175°F (80°C)

PART NUMBER:

9420 110 Volt package9421 230 Volt package

Pump Packages Continued

PUMP PACKAGE 4

(Acids & Alkalies Measurement)

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

Motor type: SP-280P or SP-280P-2

Pump assembly: Polypropylene Pump length: 39" (1000 mm)

PVC hose: 6 ft. (1.8 m), I.D. 1" (25 mm)
Dispensing nozzle: 1" (25 mm), polypropylene
Flow meter: Digital / polypropylene totalizer

Barrel adapter: Polypropylene

Storage bracket: 16 gauge coated steel
Max flow rate: 35 GPM (132 LPM)
Max. pressure: 35 ft. (10 M)
Max. viscosity: 300 CPS / Mpas
Max. temperature: 130°F (55°C)

PART NUMBER:

9500 110 Volt package9501 230 Volt package



PUMP PACKAGE 5

(Concentrated Acids & Alkalies 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 or SP-ENC-2 Pump assembly: PVDF (Kynar®)

Pump length: 39" (1000 mm)

PVC hose: 6 ft. (1.8 m), I.D. 1" (25 mm)

Dispensing nozzle: 1" (25 mm), PVDF
Flow meter: Digital / PVDF totalizer

Barrel adapter: Polypropylene

Storage bracket: 16 gauge coated steel
Max flow rate: 35 GPM (132 LPM)
Max pressure: 35ft (10 M)

Max. pressure: 35 ft. (10 M)
Max. viscosity: 300 CPS / Mpas
Max. temperature: 175°F (80°C)

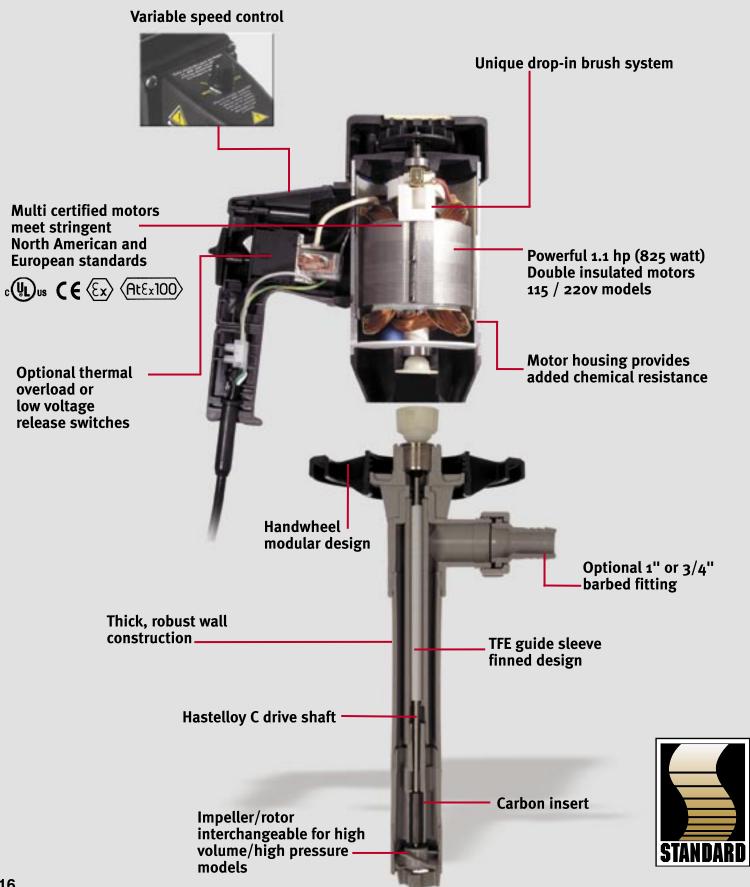
PART NUMBER:

9510 110 Volt package9511 230 Volt package



Note: Special configurations are available upon request. Please consult factory.

Motor & Tube Assembly Detail



Accessories

Nozzles

The chemically resistant dispensing nozzle offers a controlled solution for safe chemical transfer. Ideal for transferring aggressive liquids from large vessels to small containers. Available in polypropylene, PVDF, brass, and stainless steel. Discharge size 1" (25mm)



Wall Brackets

The wall mounting storage bracket is designed for pump storage while not in service. Constructed from 16 gauge, vinyl coated steel. The wall bracket offers a great solution in corrosive environments.

Barrel Adapters / Fume Barriers

Instrumental in vertically stabilizing your drum and container pump. Engineered for 2" (41mm) openings. Available materials include polypropylene and stainless steel.



Designed to reduce fume emission associated with concentrated chemicals and solvents. Available in polypropylene (Viton® Seal) and stainless steel (Viton® Seal).



Strainers

The pump tube strainer is designed to eliminate damage caused by particulates /contaminated liquids. Available in polypropylene and stainless steel.

Poly mesh: .78 x .078" (19.8 mm x 1.98 mm)
Stainless mesh: .78 x .078" (19.8 mm x 1.98 mm)

ACCESSORIES CONTINUED

Inline Flow Meter Kits for Drum Pumps

The Inline Flow Meter kits are designed for accurately measuring volume and flow rate. The kits come complete with a digital flow meter, quick action hand nozzle, and 1" (25mm) intake hose barb. Inline flow meter kits are available in: polypropylene, PVDF, and 316SS. Powered by a 9v /dc battery (battery included). No assembly required.



Locking Quick Disconnects

The quick locking cam levers are engineered to rapidly connect / disconnect hoses from pump discharge ports. Locking Quick Disconnects are available in chemically resistant polypropylene or rugged 316SS. Discharge connection is a 1" (25mm) hose barb fitting. The locking quick disconnects fit directly onto the threaded pump discharge port.

Transfer Hose

The clear PVC transfer hose is designed to handle a variety of corrosive chemicals, light petroleum products, etc. Available in 12" (.3m) increments this hose quickly adapts to all Standard Drum Pump discharge 1" (25mm) ports. Max. operating pressure: 30psi (2bar). The braided PVC hose is designed for applications requiring a rugged hose due to extreme environmental conditions or excessive discharge pressures. Available in 12" (.3m) increments this hose quickly adapts to all Standard Drum Pump discharge 1" (25mm) ports. Max. operating pressure: 130psi (8.9bar).





Grounding Wires

Standard Pump grounding wire sets are designed to properly ground pumps, motors, hose, and accessories while pumping flammable/ combustible liquids with a certified Explosion proof motor and 316SS pump tube. Ground wire set includes: 1 ft. (.3m), two 6ft. (2m), and a 10ft. (3m) section. All ground wire sets are equipped with Stainless clamps for secure connection. All 316SS pump tubes are equipped with a complete Ground Wire Set.

Worldwide Distribution

Argentina Netherlands

Australia New Zealand

Austria Norway

Belgium Peru

Brazil Poland

Bulgaria Portugal

Canada Puerto Rico

Chile Romania

China Saudi Arabia

Czech Republic Singapore

Denmark Slovakia

Egypt South Korea

Finland South Africa

France Spain

Greece Sweden

Hong Kong Switzerland

India Taiwan

Indonesia Thailand

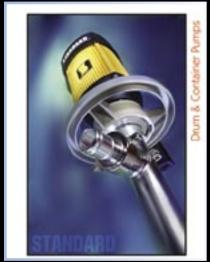
Ireland Turkey

Japan U.A.E.

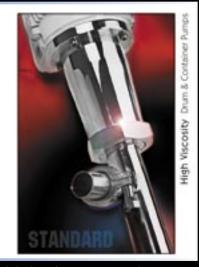
Korea United Kingdom

Malaysia United States

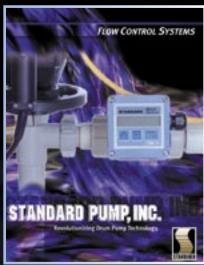
Mexico Venezuela



Drum & Container Pumps



High Viscosity Drum & Container Pumps



Flow Control Systems

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