

INDUSTRIAL PUMP

STANDARD PUMP
Europe



Version 2013

Industrial Pumps & Metering Systems

TABLE OF CONTENTS

Markets Served	3
Applications.....	4
Centrifugal Drum Pumps.....	5
Pump Packages	6-9
Pump Motors	10-11
Pump Tubes	12-18
Motor & Tube Assembly Details.....	19
Accessories	20-21
Hand Pumps.....	22
Progressive Cavity Drum Pumps	23
SP-700SR Series Pump Tubes.....	24
SP-700DD Series Pump Tubes	25
SP-700DD Series Motors	26
Performance Curves.....	27
Accessories	28
Metering Systems	29
Batch Control Systems (Low Viscosity)	30
Batch Control Systems (High Viscosity)	31
Turbine Flow Meters	32
Oval Gear Meters	33

MARKETS SERVED



AUTOMOTIVE



WASTE WATER
TREATMENT



CHEMICAL
PACKAGING



PHARMACEUTICAL



PLATING



AGRICULTURE



SEMI-CONDUCTOR



PETROLEUM

APPLICATIONS



Drums & Barrels



Laboratory



Large Storage Vessels



Stainless Tanks

Drum Pumps



Pump Packages



Pump Package SPEK-PPS, 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-250B, 250W
Pump Assembly:	PPS
Pump Length:	27" (700mm), 39" (1000 mm) or 47" (1200 mm)
Hose:	1,5m I.D. 3/4" x O.D 1" (25 mm) PVC
Dispensing Nozzle:	3/4", Polypropylene (Viton or EPDM o-ring)
Max. Flow Rate:	38 LPM based on water
Max. Pressure:	5m
Max. Viscosity:	200 cps (mPas)
Max. Temperature:	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



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:	57 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	1500 cps (mPas)
Max. Temperature:	88° C

PART NUMBER:

39" (1000 mm) Pump Length
9430 110-120V Package
9431 220-240V Package
47" (1200 mm) Pump Length
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:	57 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	1500 cps (mPas)
Max. Temperature:	55° C

PART NUMBER:

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

Pump Packages



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) Chemical hose
Dispensing Nozzle:	1" (25 mm), PVDF
Barrel Adapter:	Polypropylene
Storage Bracket:	Steel
Max. Flow Rate:	66 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	1500 cps (mPas)
Max. Temperature:	80° C

PART NUMBER:

	39" (1000 mm) Pump Length
--	---------------------------

9420	110-120V Package
------	------------------

9421	220-240V Package
------	------------------

	47" (1200 mm) Pump Length
--	---------------------------

9422	110-120V Package
------	------------------

9423	220-240V Package
------	------------------



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:	51 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	300 cps (mPas)
Max. Temperature:	55° C

PART NUMBER:

	39" (1000 mm) Pump Length
--	---------------------------

9500	110-120V Package
------	------------------

9501	220-240V Package
------	------------------

	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-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) Chemical hose
Dispensing Nozzle:	1" (25 mm), PVDF
Flow Meter:	Digital / PVDF Totalizer
Barrel Adapter:	Polypropylene
Storage Bracket:	Steel
Max. Flow Rate:	61 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	300 cps (mPas)
Max. Temperature:	80° C

PART NUMBER:

	39" (1000 mm) Pump Length
--	---------------------------

9510	110-120V Package
------	------------------

9511	220-240V Package
------	------------------

	47" (1200 mm) Pump Length
--	---------------------------

9512	110-120V Package
------	------------------

9513	220-240V Package
------	------------------

Pump Packages Continued



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-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), SS316
Barrel Adapter:	Stainless Steel
Storage Bracket:	Steel
Max. Flow Rate:	79 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	1500 cps (mPas)
Max. Temperature:	80° C

PART NUMBER:

39" (1000 mm) Pump Length

9414 110-120V Package

9415 220-240V Package

47" (1200 mm) Pump Length

9416 110-120V Package

9417 220-240V Package



Pump Package 7 Non-corrosive liquids and light oils

Standard Pumps Aluminum Pump Package is designed to transfer non-corrosive liquids such as machining lubricants and light oils from barrels and tote tanks. This package has been engineered to be light weight and portable while still maintaining a robust quality and high rate of flow.

Motor Type:	SP-280P-2-V (220V)
Pump Assembly:	AL
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	1,8m I.D. 3/4" x O.D 1" (25 mm) PVC
Dispensing Nozzle:	1" (25mm), Aluminium
Barrel Adapter:	SS depending on liquid
Storage Bracket:	Steel
Max. Flow Rate:	83 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	1500 cps (mPas)
Max. Temperature:	80° C

PART NUMBER:

9461 220V - 240V Package

39" (1000 mm) Pump Length

9463 220V - 240V Package

47" (1200 mm) Pump Length



Pump Package 8 AtEx pump package


Standard Pumps Explosion Proof Drum Pump (AIR) is designed safely transfer highly flammable/combustible liquids and meets the stringent safety requirements of the Chemical Processing Industry. Common applications include: Alcohol, Isopropyl Ether, Aqueous Ammonia, Xylene, Gasoline, Solvents, Petroleum Products and Toluene.

Motor Type:	SP-A1
Pump Assembly:	SS316
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	6 ft. (1,8 m), I.D. 1" (25 mm) Optimit Hose
Dispensing Nozzle:	1" (25 mm), SS316
Barrel Adapter:	Stainless Steel
Storage Bracket:	Steel
Max. Flow Rate:	64 LPM based on water
Max. Viscosity:	750 cps (mPas)
Max. Temperature:	80° C

PART NUMBER:

9604 1/2 HP Air Package 

39" (1000 mm) Pump Length

9606 1/2 HP Air Package 

47" (1200 mm) Pump Length







Pump Package 9 | Flammable & Combustible Liquids

Explosion Proof Drum Pump is a safe solution for transferring highly flammable/combustible liquids and meets the stringent safety requirements of the Chemical Processing Industry. Applications include: Alcohol, Isopropyl Ether, Gasoline, Solvents, Aqueous Ammonia, Petroleum Products, Xylene, Toluene.

Motor Type:	EXP (IP 54)
Pump Assembly:	SS316
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	1,8m, I.D. 1" (25 mm) AtEx Hose
Dispensing Nozzle:	1" (25mm) SS316
Barrel Adapter:	Stainless Steel
Storage Bracket:	Steel
Max. Flow Rate:	68 lpm based on water
Max. Viscosity:	750 cps (mPas)
Max. Temperature:	80° C

PART NUMBER:

39" (1000mm) Pump Length		
9610	110-120V Package	
9611	220x240V Package	
47" (1200 mm) Pump Length		
9612	110x120V Package	
9613	220x240V Package	

Drum Pump Motors



SPE-250



MODEL	ENCLOSURE	POWER	WATT	V.S.D.	GROSS WT kg
SPE-250B	Open Drip Proof (IP44)	230V/50-60Hz	250	No	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.	GROSS WT kg
SP-280P	Open Drip Proof (IP44)	110-120V/1/50-60Hz	825	No	4,0
SP-280P-V	Open Drip Proof (IP44)	110-120V/1/50-60Hz	825	Yes	4,0
SP-280P-2	Open Drip Proof (IP44)	220-240V/1/50-60Hz	825	No	4,0
SP-280P-2-V	Open Drip Proof (IP44)	220-240V/1/50-60Hz	825	Yes	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.	GROSS WT kg
SP-ENC	TEFC (IP54)	110-120V/1/50-60Hz	825	No	5,7
SP-ENC-V	TEFC (IP54)	110-120V/1/50-60Hz	825	Yes	5,7
SP-ENC-2	TEFC (IP54)	220-240V/1/50-60Hz	825	No	5,7
SP-ENC-2-V	TEFC (IP54)	220-240V/1/50-60Hz	825	Yes	5,7



Warning: Not suitable for pumping flammable or combustible liquids.

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

SP-420EX



MODEL	ENCLOSURE	POWER	WATT	V.S.D.	WT (kg)
SP-420EX	Explosion Proof	220-240V/1/50-60Hz	600	No	7,7



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

NOTE: Explosion proof motor regulations require that motors shall be returned to the manufacturer for repair.



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 Continued



SP-A1



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



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



See warning at bottom of page.



SP-A2 Series



MODEL	CONSUMPTION	MAXIMUM INLET PRESSURE	OUTPUT	GROSS WT kg
SP-A2	28 CFM @ 90 psi 13.2 L/sec @ 6,2 bar	100 psi 6,8 bar	3/4 HP 560 W	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	1,5



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



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.

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

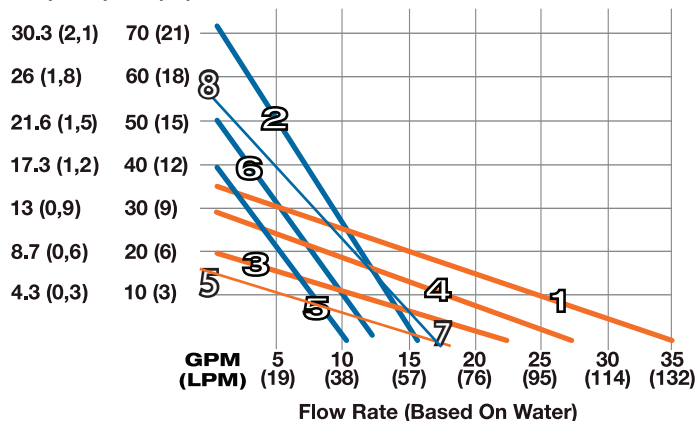
- Acetic Acid
- Sulfuric Acid
- Hydrochloric (20%)
- Nitric Acid (20%)
- Alkalies
- Ferric Chloride

Technical Specifications

Wetted Parts:	Polypropylene, Carbon, Hastelloy
Maximum Viscosity:	1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B)
Discharge Options:	1" (25 mm) / 3/4" (19 mm) Hose Barb
Pump Design:	Seal-less / Centrifugal
Maximum Specific Gravity:	1.8*
Maximum Temperature:	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

PSI (BAR) FT (M)

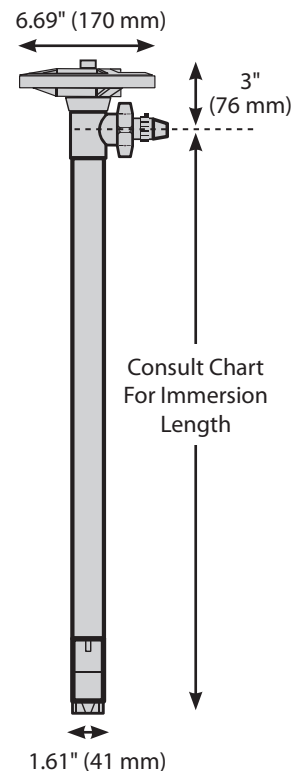


KEY:

- 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-420EX / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-420EX / High Pressure Tube
- 7 SPE-250B / High Volume Tube
- 8 SPE-250B / High Pressure Tube



Warning: Not suitable for pumping flammable or combustible liquids



*NOTE: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt

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.

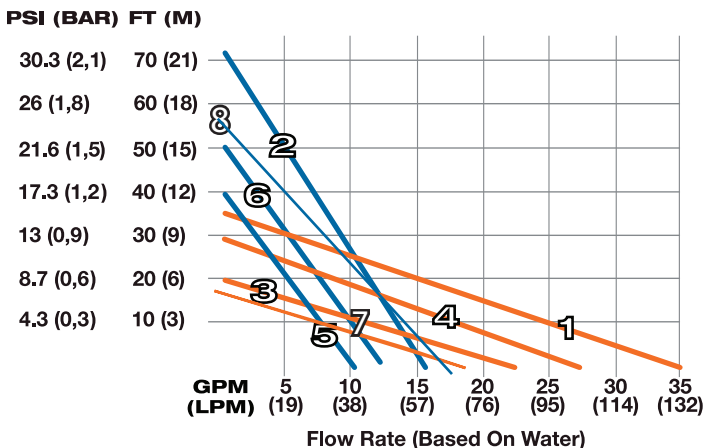
Common Applications

- 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-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B)
Discharge Options:	1" (25 mm) / 3/4" (19 mm) Hose Barb
Pump Design:	Seal-less / Centrifugal
Maximum Specific Gravity:	1.8*
Maximum Temperature:	55° C

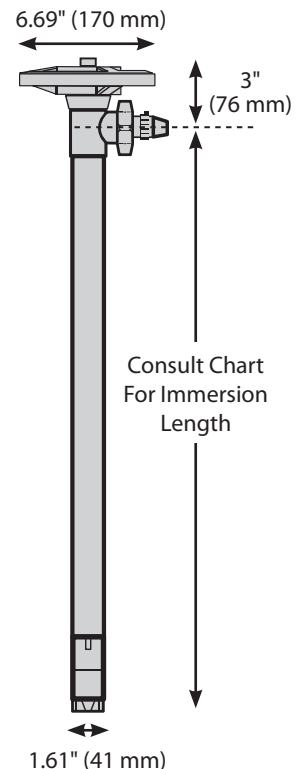
TUBE MODEL	ASSEMBLY	IMMERSION LENGTH	SHAFT	IMPELLER
SP-PPS-27	Polypropylene	27" (700 mm)	Stainless Steel	High Volume
SP-PPS-39	Polypropylene	39" (1000 mm)	Stainless Steel	High Volume
SP-PPS-47	Polypropylene	47" (1200 mm)	Stainless Steel	High Volume
SP-PPS-50	Polypropylene	50" (1270 mm)	Stainless Steel	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-420EX / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-420EX / High Pressure Tube
- 7 SPE-250B / High Volume Tube
- 8 SPE-250B / High Pressure Tube

Warning: Not suitable for pumping flammable or combustible liquids



*NOTE: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt

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.

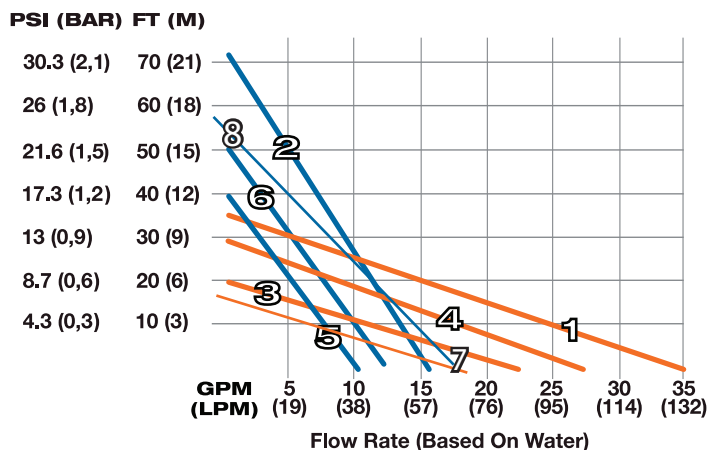
Common Applications

- 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-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B)
Discharge Options:	1" (25 mm) / 3/4" (19 mm) Hose Barb
Pump Design:	Seal-less / Centrifugal
Maximum Specific Gravity:	1.8*
Maximum Temperature:	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

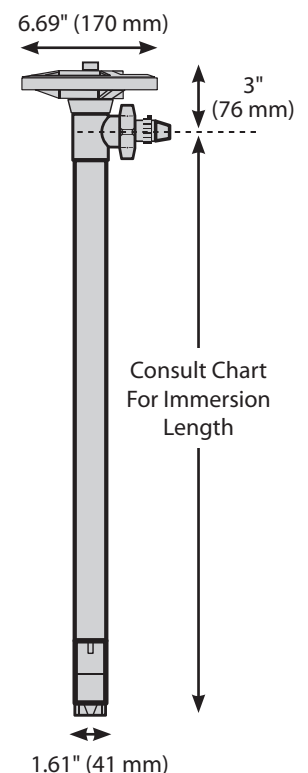


KEY:

- 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-420EX / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-420EX / High Pressure Tube
- 7 SPE-250B / High Volume Tube
- 8 SPE-250B / High Pressure Tube



Warning: Not suitable for pumping flammable or combustible liquids



*NOTE: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt

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

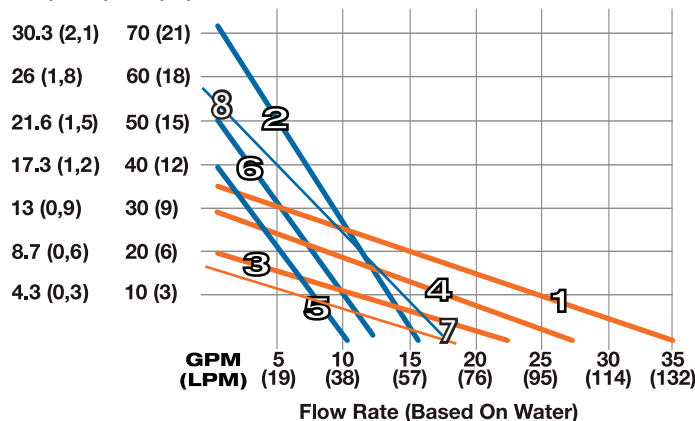


Technical Specifications

Wetted Parts:	316SS, Carbon, Teflon
Maximum Viscosity:	1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B)
Discharge Options:	1" (25 mm) / 3/4" (19 mm) Hose Barb
Pump Design:	Seal-less / Centrifugal
Maximum Specific Gravity:	1.8*
Maximum Temperature:	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

PSI (BAR) FT (M)

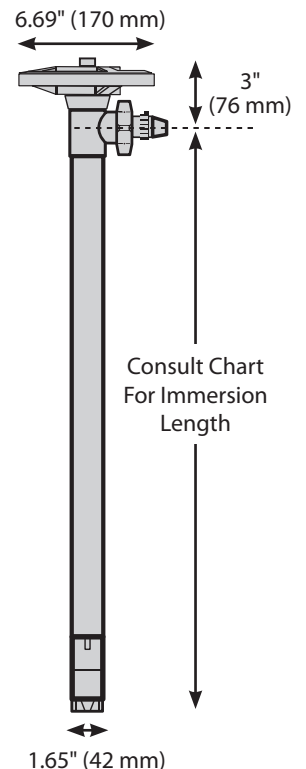


KEY:

- 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-420EX / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-420EX / High Pressure Tube
- 7 SPE-250B/High Volume Tube
- 8 SPE-250B /High Pressure Tube



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



*NOTE: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt

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

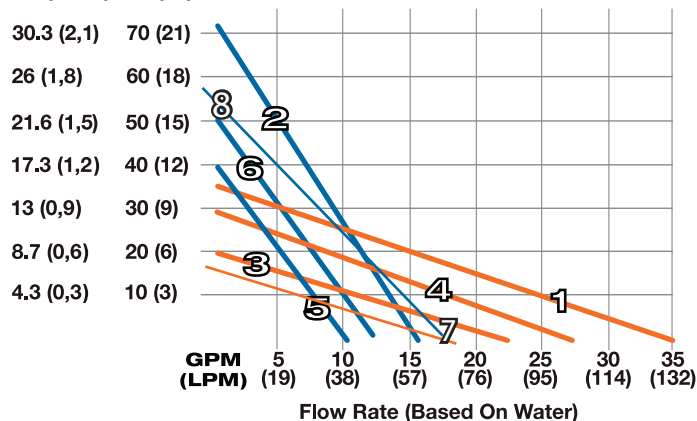
- Concentrated Nitric Acid
- Sulfuric Acid-66 Baume
- Sodium Hypochlorite
- Hydrofluoric Acid
- Propionic Acid
- Searic Acid

Technical Specifications

Wetted Parts:	PVDF, Carbon, Hastelloy
Maximum Viscosity:	1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B)
Discharge Options:	1" (25 mm) / 3/4" (19 mm) Hose Barb
Pump Design:	Seal-less / Centrifugal
Maximum Specific Gravity:	1.8*
Maximum Temperature:	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

PSI (BAR) FT (M)

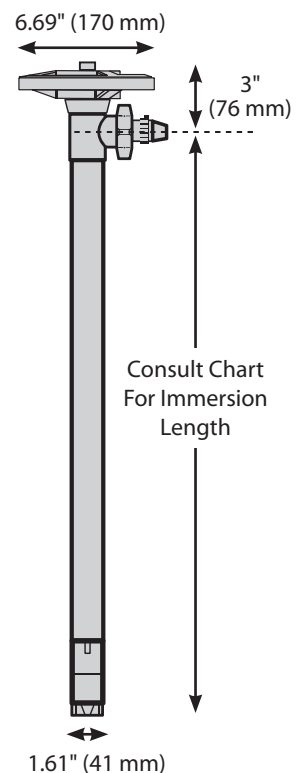


KEY:

- 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-420EX / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-420EX / High Pressure Tube
- 7 SPE-250B / High Volume Tube
- 8 SPE-250B / High Pressure Tube



Warning: Not suitable for pumping flammable or combustible liquids



*NOTE: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt

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

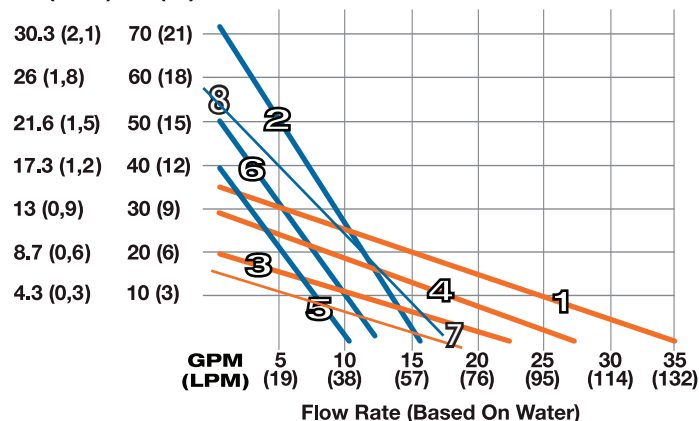
- Acetic Acid
- Sulfuric Acid
- Hydrochloric (20%)
- Nitric Acid (20%)
- Alkalies
- Ferric Chloride

Technical Specifications

Wetted Parts:	Polypropylene, Carbon, Hastelloy
Maximum Viscosity:	1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B)
Discharge Options:	1" (25 mm) / 3/4" (19 mm) Hose Barb
Pump Design:	Seal-less / Centrifugal
Maximum Specific Gravity:	1.8*
Maximum Temperature:	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

PSI (BAR) FT (M)

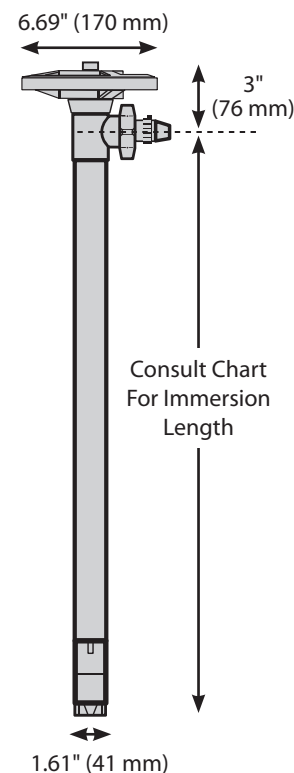


KEY:

- 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-420EX / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-420EX / High Pressure Tube
- 7 SPE-250B / High Volume Tube
- 8 SPE-250B / High Pressure Tube



Warning: Not suitable for pumping flammable or combustible liquids



*NOTE: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt

Aluminium Pump Series

STANDARD's Aluminium pump tube is engineered for transferring Non-corrosive liquids such as Machining Lubricants and Light Oils. Robust Aluminium construction offers excellent strength and durability.

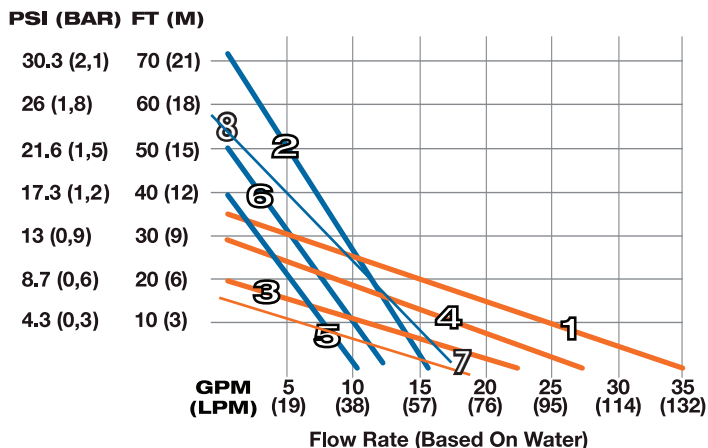
Common Applications

- Motor Oil (up to 30 Wt)
- Anti-Freeze
- Lubricating Oils
- Light Machining Oils
- Hydraulic Fluid

Technical Specifications

Wetted Parts:	Aluminium, Carbon, PTFE & SS316
Maximum Viscosity:	1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B)
Discharge Options:	1" (25 mm) / 3/4" (19 mm) Hose Barb
Pump Design:	Seal-less / Centrifugal
Maximum Specific Gravity:	1.8*
Maximum Temperature:	80° C

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

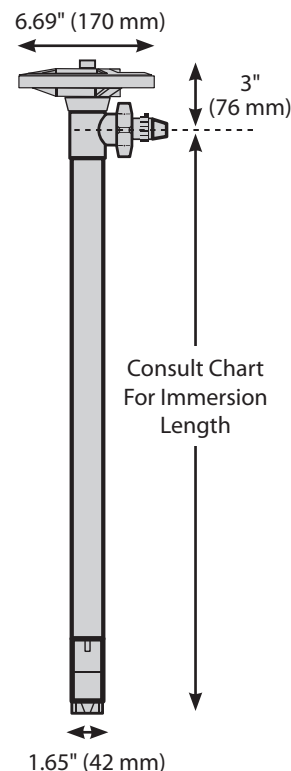


KEY:

- 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 / High Volume Tube
- 5 SP-A1 / High Pressure Tube
- 6 SP-A2, SP-420-EX / High Pressure Tube
- 7 SPE-250B / High Volume Tube
- 8 SPE-250B / High Pressure Tube



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



Consult Chart
For Immersion
Length

**INDUSTRIAL
PUMP**
STANDARD PUMP

Motor & Tube Assembly Detail



Accessories For Centrifugal Pumps

HAND NOZZLES

PART NUMBER	DESCRIPTION	SEAL MATERIAL
9016	Polypropylene - 3/4" O.D. (19mm) - Hose Barb Intake	Viton
9016E	Polypropylene - 3/4" O.D. (19mm) - Hose Barb Intake	EPDM
9071	Polypropylene - 3/4" O.D. (19mm) - Hose Barb Intake	Viton
9071E	Polypropylene - 3/4" O.D. (19 mm) - Hose Barb Intake	EPDM
9070	Polypropylene - 1" O.D. (25mm) - Hose Barb Intake	Viton
9070E	Polypropylene - 1" O.D. (25mm) - Hose Barb Intake	EPDM
9026	Stainless 316 - 1" O.D. (25mm) - Hose Barb Intake	PTFE
9028	PVDF - 1" O.D. (25mm) - Hose Barb Intake	Viton
9030	Aluminium - 1" O.D. (25mm) - Hose Barb Intake	Buna



DISCHARGE HOSES

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-A	Optimit hose 1" UHMW PE black conductive Suitable for AtEx Zones 0 and 1 1" (25 mm) I.D. x 1.47" O.D. (25 mm x 37 mm) Temperature: -25°C - +100°C depending on liquid Max Operating Pressure: 16 bar Material of Construction: Ultra High Molecular Weight Polyethylene Note: Designed to be Used for Flammable / Combustible Liquids
9044M-A	Chemical Hose, PE Suction discharge hose transp. 1" 1" (25 mm) I.D. x 1.45" O.D. (25 mm x 37 mm) Max Temperature: 80°C Max Operating Pressure: 16 bar Material of Construction: UHMW-PE and EPDM



*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 and HAND CLAMP

PART NUMBER	DESCRIPTION
9006	Stainless Steel Wall Storage Bracket is Designed for Pump Storage
9005	SS316 Construction, Engineered to Vertically Stabilize Pump



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 | • Petroleum |
| • Heating Oil EL/L | • Anti-freeze (undiluted) |
| • Fuels (AI-III) | • 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:

IP54 & Explosion Proof

Fittings:

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

Maximum Flow Rate:

- 1851 Series 45 LPM based on water
- 751 & 752 Series 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 148° C
- Buna Stator 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.

*Viton is a registered trademark of DuPont Dow Elastomers.

Motor Drives

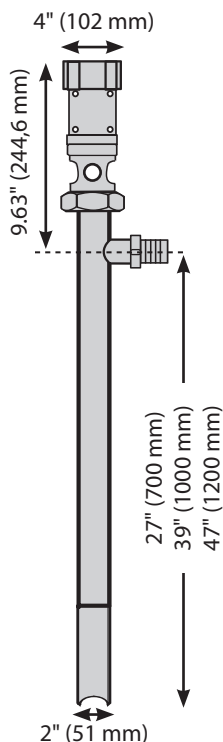


SP-ENC Series



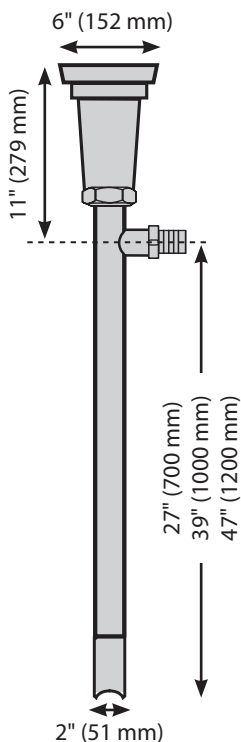
SP-420EX

Note: Refer to pg. 10 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) 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:	IP54 & 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	45 LPM based on water
• 751 & 752 Series	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	148° C
• Buna Stator	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.

*Viton is a registered trademark of DuPont Dow Elastomers.

Motor Drives



TEFC



Pneumatic

Note: Refer to pg. 26 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)

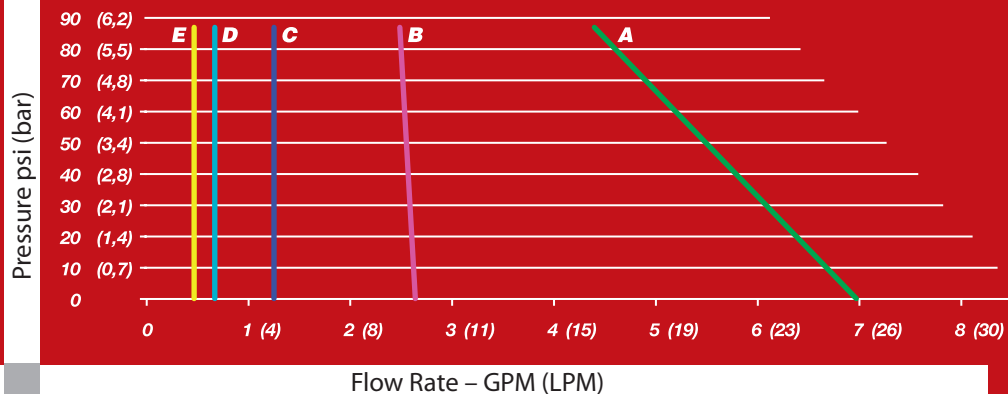
Note: Optimal pneumatic motor speed is 900 RPM. Failure to comply may result in pump damage or premature failure.



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.

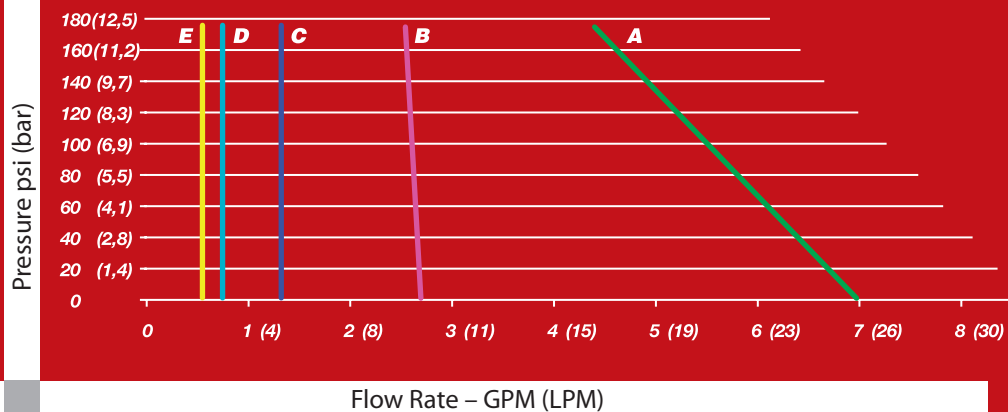
Performance Curves

751 Series Pumps



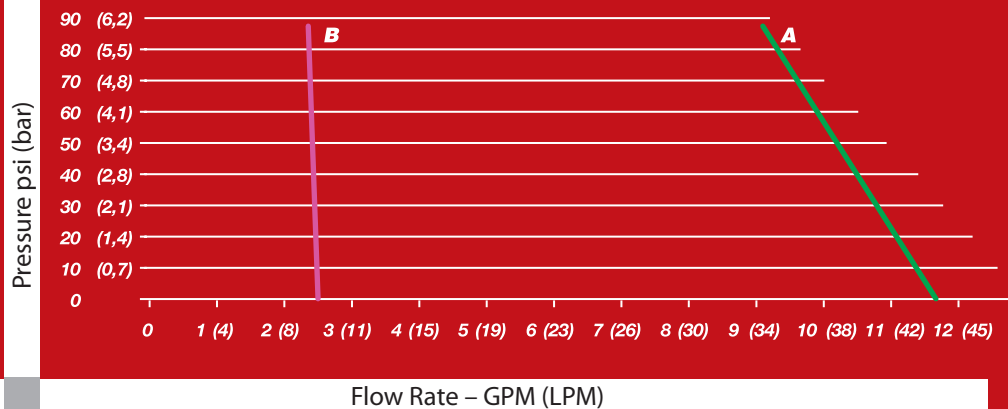
	Viscosity cps (mPas)	Electric HP (KW)	Air HP (KW)
A	1	.75 (.55)	2 (1.5)
B	10,000	.75 (.55)	2 (1.5)
C	30,000	1 (.75)	4 (3)
D	60,000	1 (.75)	4 (3)
E	100,000	1.5 (1.1)	5 (3.7)

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

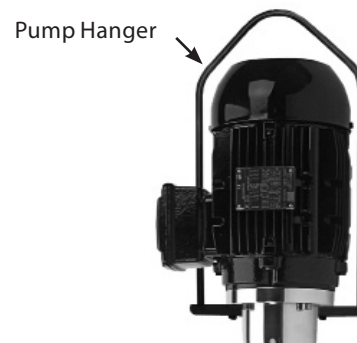
PART NUMBER	DESCRIPTION
9039	Recommended For: High pressure hydraulic oil lines. Tube: Black, oil resistant synthetic rubber. (Nitrile). Reinforcement: One braid of high tensile steel wire. Cover: Black, oil and abrasion resistant synthetic rubber. Flame Resistance: Meets Flame Resistant Designation "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 40 /1.5 /-24	Nom. OD mm 50,5	Bend Radius mm 500	Vacuum in/mm 27/685,8	Weight kg/m 1,59	Temp Range C° -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



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

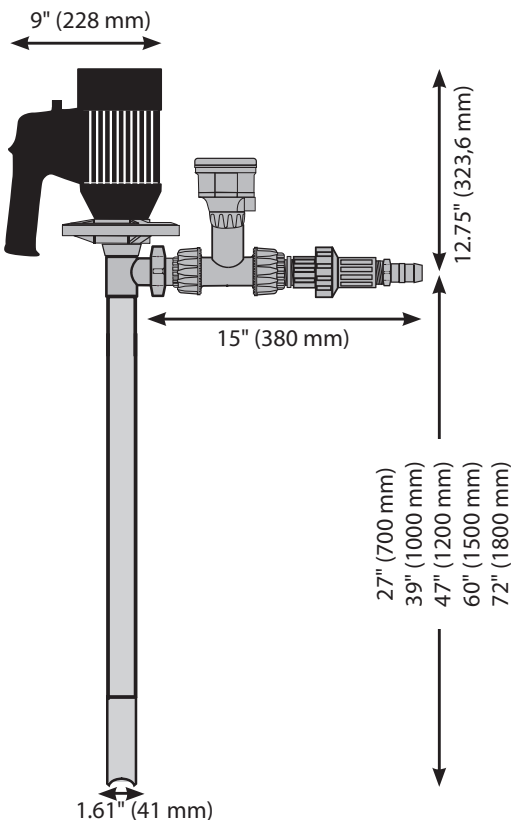
- Chemical Packaging
- Chemistry For Plating Tanks
- Water Treatment Chemicals
- Chemical Delivery

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

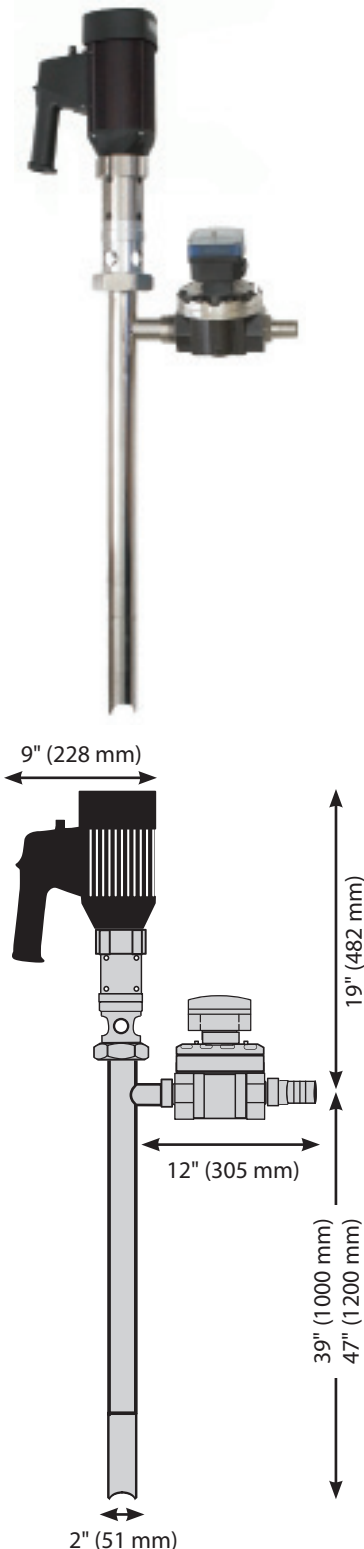
Available Wetted Parts:	Polypropylene, PVDF, Ceramic & Halar
Motor Drive:	Open Drip Proof (IP44) or TEFC (IP54) (110–120 / 220–240v)
Discharge Fitting:	1" (25 mm) Hose Barb
Pumping Principle:	Centrifugal / Seal-less
Flow Range:	1.17 GPM (4,4 LPM) – 27 GPM (102,2 LPM)
Maximum Viscosity:	300 cps (mPas)
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 55° C Stainless & PVDF 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
- Oils
- Varnishes (Non-Flammable)
- Paints
- Resins
- 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 1/2" (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:	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:	80° C



Controller Display

*Viton is a registered trademark of DuPont Dow Elastomers.

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 ½" (13 mm) – 1½" (38 mm) SS316 ¾" (19 mm) – 1 ¼" (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 -20°–80° C Stainless & PVDF -30°–100° C
Metering Principle:	Turbine (Paddle Wheel)
Maximum Pressure:	150 psi (10,5 bar) @ 20° C
Flow Range:	½" (13 mm): 0.42 GPM (1,6 LPM) – 22.4 GPM (84,8 LPM) ¾" (19 mm): 0.75 GPM (2,8 LPM) – 39.8 GPM (150,7 LPM) 1" (25 mm): 1.17 GPM (4,4 LPM) – 62.2 GPM (235,4 LPM) 1 ¼" (32 mm): 1.91 GPM (7,2 LPM) – 102 GPM (386,1 LPM) 1 ½" (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

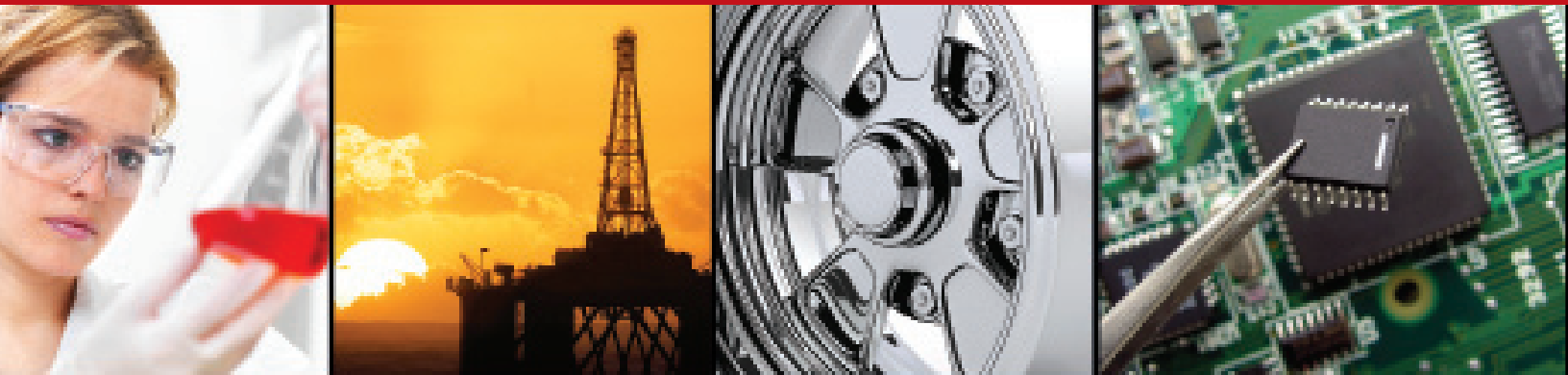
- Measures Flow Rate and Volume
- IP65 Enclosure
- Re-Settable Totalizer
- User Friendly "In Field" Calibration
- EE Prom Electronics
- Two Line Alphanumeric 12 Digit Display Shows Flow Rate & Total Flow Together

Technical Data

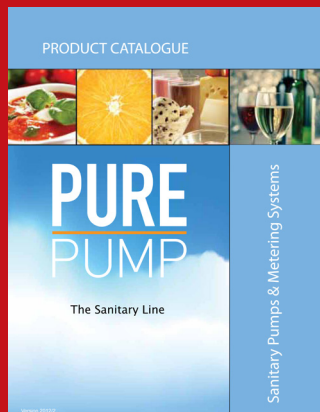
Available Sizes:	0.5" (13 mm) – 2" (51 mm)
Shaft:	316SS
O-Ring:	NBR (Nitrile)
Ports:	FNPT Inlet and Outlet Connections
Accuracy:	+/- 0.63% of Full Scale +/- 1% of Reading
Housing Materials:	Aluminum (w/ PPS Gears) or SS316 (w/ SS316 Gears)
Maximum Viscosity:	1,000,000 cps (mPas)
Units of Measure:	Gallons,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



INDUSTRIAL PUMP



Additional Markets Served:



Pure Pump - The Sanitary Line



DEF Pumps

STANDARD PUMP
Europe

Vølundsvej 12
3400 Hillerød
Denmark

Tel +45 7023 2100
Fax +45 7023 5655

www.standard-europe.eu

STANDARD
Pump, Inc.

1540 University Dr.
Auburn, GA 30011 USA

1.866.558.8611
Tel 770.307.1003
Fax 770.307.1009

www.standardpump.com

Distributed By:

