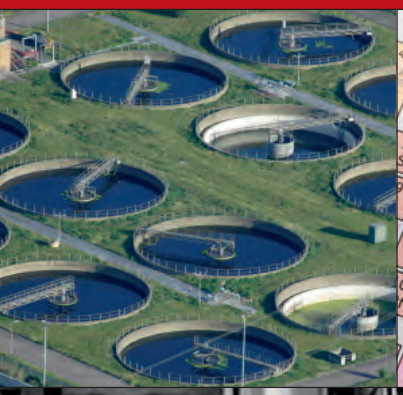
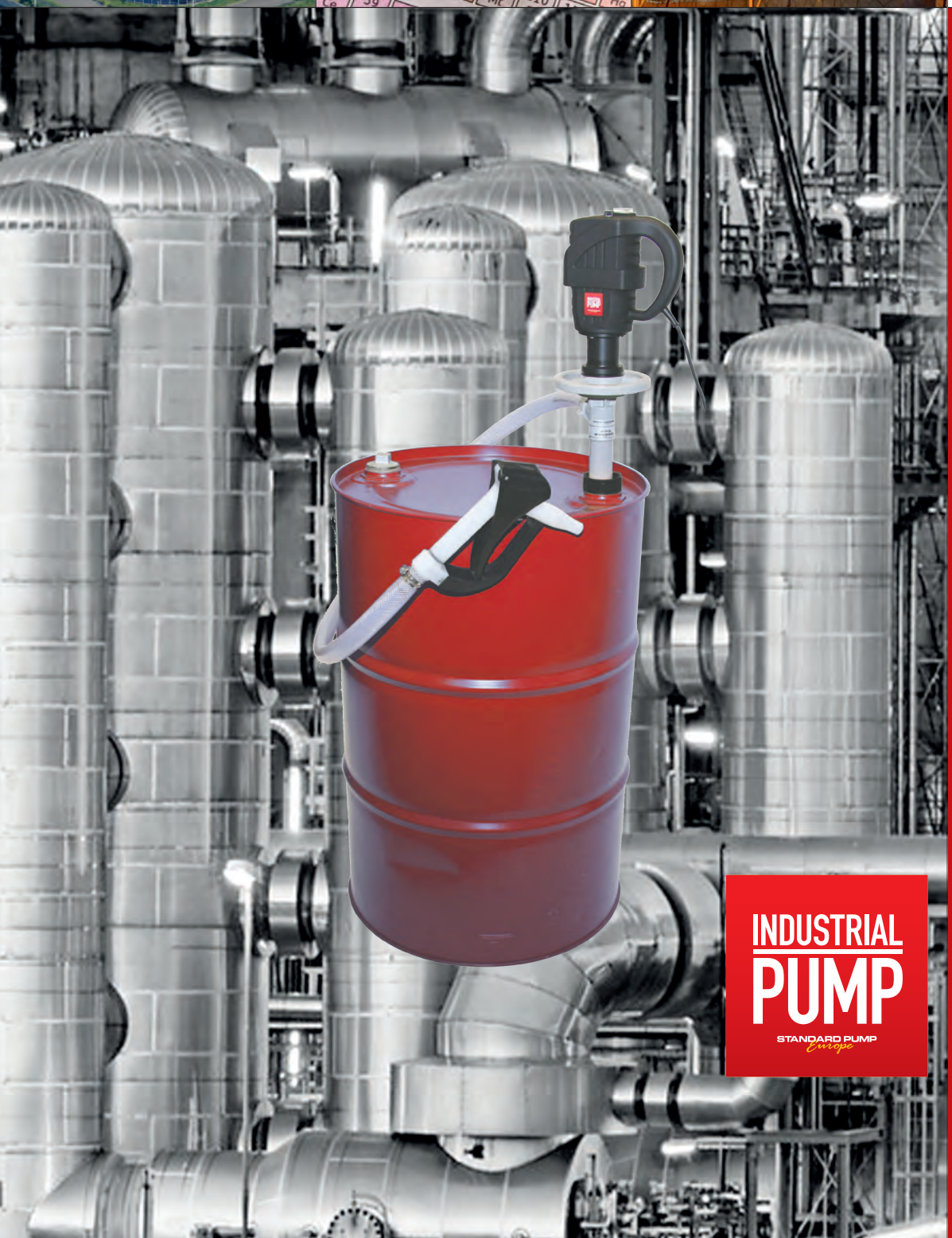
Product Catalogue 2015

STANDARD PUMP Europe





INDUSTRIAL PUMP
STANDARD PUMP Europe

Industrial Pumps & Metering Systems

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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, 230V
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. 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:	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. 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:	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. 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

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Pump Packages Continued

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:	1,8m, I.D. 1"(25 mm) Atex/Chem. 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
9421A	220-240V Package
47" (1200 mm) Pump Length	
9422	110-120V Package
9423A	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:	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. 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-V or SP-ENC-2-V
Pump Assembly:	PVDF (Kynar®)
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	1,8m, I.D. 1"(25 mm) Atex/Chem. 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. 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 with SPE-450 motors available on request

Pump Packages Continued

Pump Package 6 | Mineral acids

Engineered to transfer mineral acids and suitable chemicals. Applications include: nitric acid (<60%)and citric acid.

Motor Type:	SP-280P-V or SP-280P-2-V
Pump Assembly:	SS 316
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	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. 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 6 with Alu Nozzle:

9415-A	39" (1000mm) length
9417-A	47" (1200mm) length

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, hydraulic fluid, motor oil, anti-freeze 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. Viscosity:	1500 cps (mPas)
Max. Temperature:	80° C

PART NUMBER:

39" (1000 mm) Pump Length	
9460	110V - 120V Package
9461	220V - 240V Package
47" (1200 mm) Pump Length	
9462	110V - 120V Package
9463	220V - 240V Package

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:	1,8 m, I.D. 1" (25 mm) AtEx/Chem. 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:	AtEx: 40° C (non-AtEx environment: 80° C)

PART NUMBER:

39" (1000 mm) Pump Length	
9604	1/2 HP Air Package
47" (1200 mm) Pump Length	
9606	1/2 HP Air Package

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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:	SP-420EX (IP 54)
Pump Assembly:	SS316
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	1,8m, I.D. 1" (25 mm) AtEx/Chem. 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:	AtEx: 40° C (non-AtEx environment: 80° C)

PART NUMBER:

39" (1000mm) Pump Length

9610 110-120V Package

9611 220-240V Package

47" (1200 mm) Pump Length

9612 110-120V Package

9613 220-240V Package

Pump Package SPEK-ALU-ATEX Non-corrosive liquids and light oils

Standard Pumps Explosion Proof Drum Pump 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:	EXP (IP54)
Pump Assembly:	AL
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	1,8m, I.D. 1" (25 mm) AtEx Hose
Dispensing Nozzle:	1" (25mm), Aluminium
Barrel Adapter:	Aluminium
Storage Bracket:	Stainless Steel
Max. Flow Rate:	83 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	750 cps (mPas)
Max. Temperature:	40° C

PART NUMBER:

SPEK-ALU-ATEX-39 220V - 240V
39" (1000 mm) Pump Length

SPEK-ALU-ATEX-47 220V - 240V
47" (1200 mm) Pump Length

Pump Package SPEK-ALU-ATEX-AIR Non-corrosive liquids and light oils

Standard Pumps 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:	AL
Pump Length:	39" (1000 mm) or 47" (1200 mm)
Hose:	1,8m, I.D. 1" (25 mm) AtEx Hose
Dispensing Nozzle:	1" (25mm), Aluminium
Barrel Adapter:	Aluminium
Storage Bracket:	Stainless Steel
Max. Flow Rate:	83 LPM based on water
Max. Pressure:	10,6 m
Max. Viscosity:	450 cps (mPas)
Max. Temperature:	40° C

PART NUMBER:

SPEK-ALU-ATEX-AIR 39 220V - 240V
39" (1000 mm) Pump Length

SPEK-ALU-ATEX-AIR 47 220V - 240V
47" (1200 mm) Pump Length

Drum Pump Motors

SPE-12V/24V Series

MODEL	ENCLOSURE	POWER	WATT	V.S.D.	GROSS WT kg
SPE-12VA	Open Drip Proof (IP44)	12V DC plug	150	No	1,8
SPE-24VA	Open Drip Proof (IP44)	24V DC plug	180	No	1,8

Battery plugs: only on request

SPE-250 B

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.

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

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

SPE-450 Series

MODEL	ENCLOSURE	POWER	WATT	V.S.D.	GROSS WT kg
SPE-450	TEFC (IP54)	230V AC	450	No	3,3
SPE-450V	TEFC (IP54)	230V AC	450	Yes	3,3

Pump packages available on request

Warning: Not suitable for pumping flammable or combustible liquids.

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

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

SP-280P Series

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

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

NOTE: LVR = Low Voltage Release

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

Drum Pump Motors Continued

SP-ENC Series

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

NOTE: LVR = Low Voltage Release

SP-420EX

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

NOTE: LVR = Low Voltage Release

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.

SP-A1

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

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	100 psi	3/4 HP	1.5
	13.2 L/sec @ 6,2 bar	6,8 bar	560 W	
SP-A2TL	28 CFM @ 90 psi	100 psi	3/4 HP	1,5
(trigger lock)	13.2 L/sec @ 6,2 bar	6,8 bar	560 W	

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.

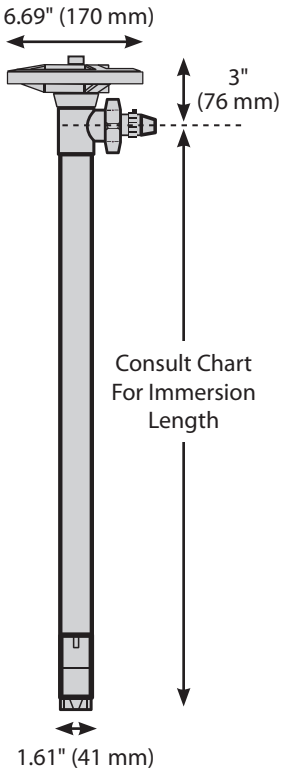
Common Applications

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

Technical Specifications

Wetted Parts:	Polypropylene, Carbon, Hastelloy
Maximum Viscosity:	1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SPE-450, SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B), 100 cps (mPas) (SPE-12/24V)
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



Flow curves for these pumps, please see page 16

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.

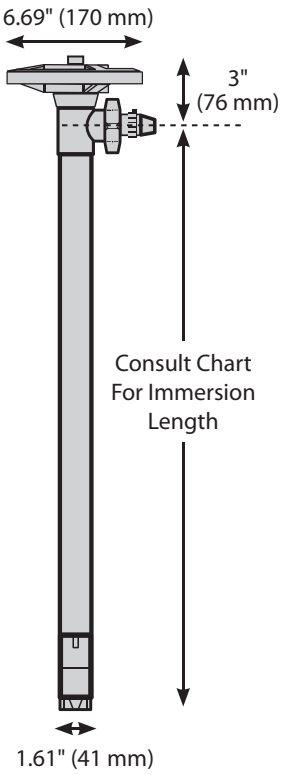
Common Applications

- Alumimiun 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) (SPE-450, SP-A2,SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B), 100 cps (mPas) (SPE-12/24V)
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



Flow curves for these pumps, please see page 16

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.

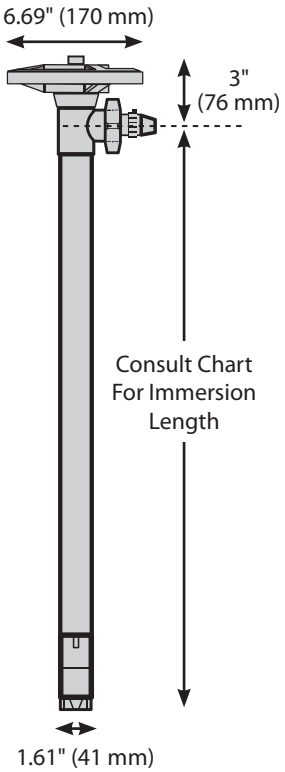
Common Applications

- 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) (SPE-450, SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B), 100 cps (mPas) (SPE-12/24V)
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



Flow curves for these pumps, please see page 16

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.

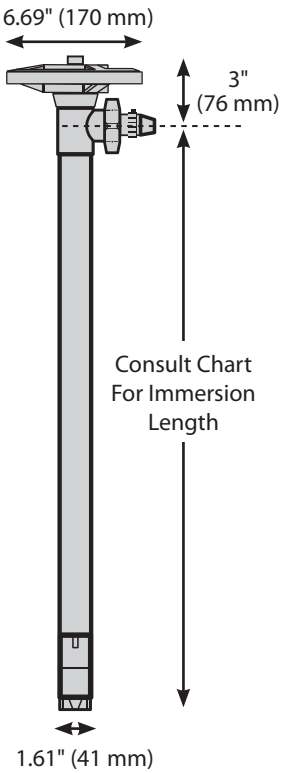
Common Applications

- 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) (SPE-450, SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B), 100 cps (mPas) (SPE-12/24V)
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



Flow curves for these pumps, please see page 16

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.

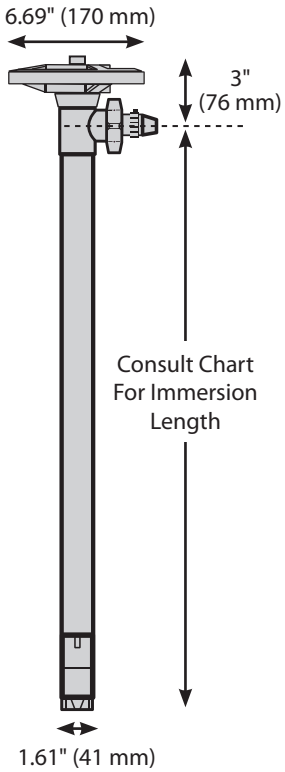
Common Applications

- 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) (SPE-450, SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B), 100 cps (mPas) (SPE-12/24V)
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

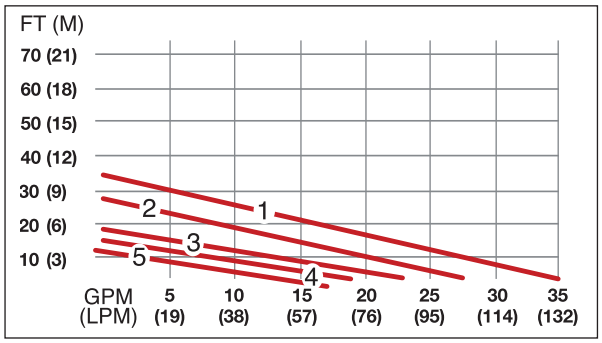


Flow curves for these pumps, please see page 16

Flow Curves

SP-PP, SP-PPS, SP-PHT, SP-CPVC, SP-PVDF

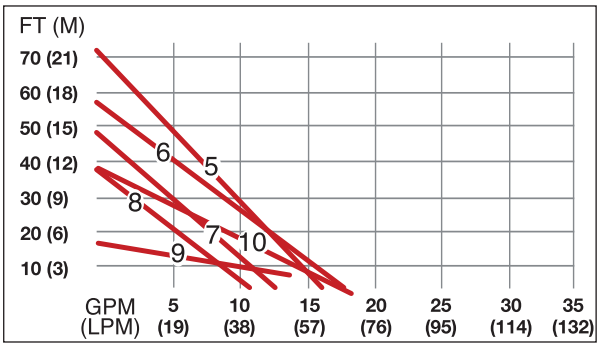
High Volume Pumps:



Flow Rate

Motor:
1 SP-280P, SP-ENC
2 SPE-450, SP-A2, SP-420EX
3 SP-A1, SPE-24V
4 SPE-250B
5 SPE-12V

High Pressure Pumps:



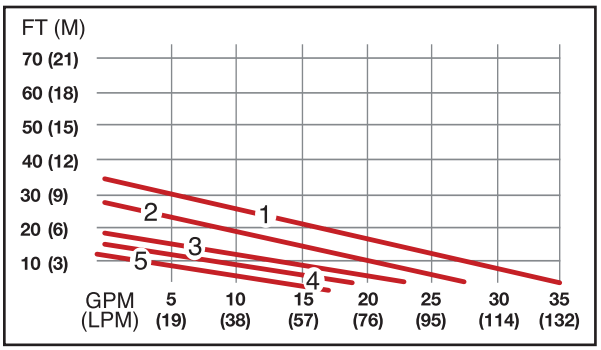
Flow Rate

Motor:
5 SP-280P, SP-ENC
6 SPE-450, SP-A2, SP-420EX
7 SPE-250B
8 SP-A1
9 SPE-12V
10 SPE-24V

⚠ Warning: Pump not suitable for pumping flammable liquids. *Note: Maximum Specific Gravity is 1.8 when used in conjunction with 825 watt motor.

SP-AL, SP-SS

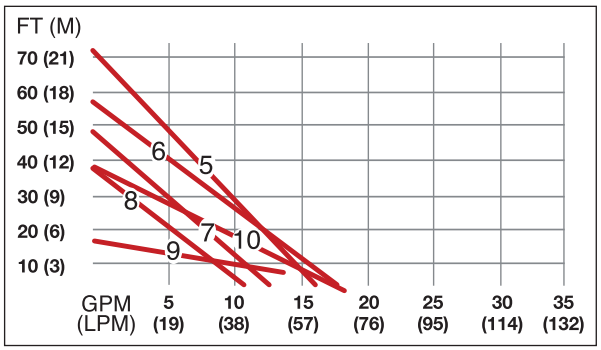
High Volume Pumps:



Flow Rate

Motor:
1 SP-280P, SP-ENC
2 SPE-450, SP-420EX, SP-A2
3 SP-A1, SPE-24V
4 SPE-250B
5 SPE-12V

High Pressure Pumps:



Flow Rate

Motor:
5 SP-280P, SP-ENC
6 SPE-450, SP-420EX, SP-A2
7 SPE-250B
8 SP-A1
9 SPE-12V
10 SPE-24V

Performance measured by pumping clean water at 20° C

⚠ 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 motor.

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.

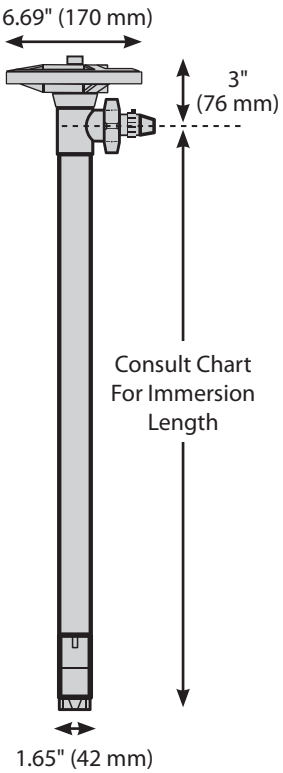
Common Applications

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

Technical Specifications

Wetted Parts:	316SS, Carbon, PTFE
Maximum Viscosity:	1500 cps (mPas) (SP-280P, SP-ENC) 750 cps (mPas) (SPE-450, SP-A2, SP-420EX) 450 cps (mPas) (SP-A1) 200 cps (mPas) (SPE-250B), 100 cps (mPas) (SPE-12/24V)
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 , AtEx: 40° 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



Flow curves for these pumps, please see page 16

Aluminium Pump Series

STANDARD's Aluminium pump tube is engineered for transferring non-corrosive liquids such as Machining Lubricants, hydraulic fluid, motor oil, antifreeze and Light Oils. Robust Aluminium construction offers excellent strength and durability.

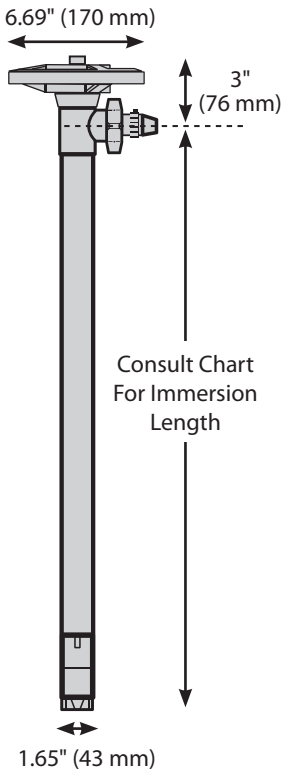
Common Applications

- 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) (SPE-450, SP-A2,SP-420EX)
	450 cps (mPas) (SP-A1)
	200 cps (mPas) (SPE-250B), 100 cps (mPas) (SPE-12/24V)
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, AtEx: 40° 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



Flow curves for these pumps, please see page 16

Motor & Tube Assembly Details

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

Hand Pumps

Standard Pump Europe's hand pumps are engineered for transfering 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, NBR, 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, NBR, 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"
Telescopic Suction Pipe:	470mm to 925mm
Outlet Hose:	1,5m with outlet bend of galvanised steel

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
9090	PVDF - 1" O.D. (25mm) - Hose Barb Intake	Viton
9090E	PVDF - 1" O.D. (25mm) - Hose Barb Intake	EPDM
9091	PVDF - 3,4" O.D. (19mm) - Hose Barb Intake	Viton
9091E	PVDF - 3/4" O.D. (19mm) - Hose Barb Intake	EPDM
9030	Aluminium - 1" O.D. (25mm) - Hose Barb Intake	Buna

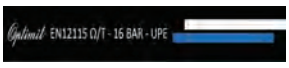




DISCHARGE HOSES

PART NUMBER	DESCRIPTION
LH-9032	Clear Braided PVC 1" I.D. x 1.25" O.D. (25 mm x 32 mm) Max Temperature: 40ºC Max Operating Pressure: 10 bar /20 ºC
LH-9033	Clear Braided PVC 3/4" I.D. x 1" O.D. (19 mm x 25 mm) Max Temperature: 40ºC Max Operating Pressure: 13 bar /20 ºC
LH-2536	1" Hose for diesel and petrol Max Operating Pressure: 20 bar/60 ºC
9034M-A	Chemical and AtEx hose 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: -25ºC - +100ºC 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 Please contact us for further details as to using it for chemicals. Datasheet on request.



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Accessories For Centrifugal Pumps Continued

BARREL ADAPTERS

PART NUMBER	MATERIAL	DESCRIPTION
9015	Polypropylene	2" O.D. (51mm)
9002	Stainless 304	2" O.D. (51mm)
9022	Stainless 304 (SP-AL-serie)	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
9024	Stainless 304 (SP-AL serie)	2" O.D. (51 mm), EPDM Seal

IBC ACCESSORIES

PART NUMBER	Description	DESCRIPTION
SPE-9020	Pump adaptor for IBC cap	
SPE-9020A	Special IBC cap	Ø150mm
SPE-9020B	Special IBC cap	Ø225mm
SPE-9021A	Thread adapter for IBC cap	Trisure x R2"

Accessories For Centrifugal Pumps Continued

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

Heating Jackets (AtEx incl.) for 200 ltr. drums and 1000 ltr. IBCs

Standard Pump Europe's heating jackets are the right solution for keeping media at the required temperature. They are made of water resistant materials and are IP 40 classified (IP54 on request). The heating jackets come with quick release buckles for easy installation and removal. All our heating jackets are supplied with 3 meters of braided power cable and fitted with a 0 to +90°C capillary thermostat. The heating jackets are suitable for metal, PP, PE drums and containers

Heating Jackets for 200 ltr. drums

Part no.: SPE-0200-00
Power: 230V AC - 1x1200 W
Dimensions: 1990x800mm
Temperature: 0-90°C

Part no.: SPE-0200-01
Power: 230V AC - 1x530 W
Dimensions: 1990x450mm
Temperature: 0-90°C

High temperature heating Jacket for 200 ltr. drums

Part no.: SPE-0200-02
Power: 230V AC - 1x1200 W
Dimensions: 1990x800mm
Temperature: 0-200°C

Insulation lid

Heating jacket

Heating Jackets for 1000 ltr. IBCs

Part no.: SPE-1050-02
Heating Zones: 2
Power: 230V AC - 2x1000 W
Dimensions: 4400x1000mm

Part no.: SPE-1050-03
Heating Zones: 3
Power: 230V AC - 3x1000 W
Dimensions: 4400x1000mm

Part no.: SPE-1050-LID (to be ordered seperately
Insulation lid for IBC

Base heater for 200 ltr. drums

Part no.: SPE-0200-BASE
Diameter: 550mm
Thermostat: 0-150°C
Power: 230V - 900W

AtEX Heating Jackets for 200 ltr. drums and 1000 ltr. IBCs

Standard Pump Europe's heating jackets for the AtEX are the right solution for heating and maintaining media at the required temperature. They are made of water resistant materials and are IP 65 classified. The AtEx heating jackets come with quick release buckles for easy installation and removal. The heating jackets are suitable for metal and PE drums and containers. Complete PTFE-(Teflon®) coating for maximum long-life cycle and highest reliability against acids, solvents etc.

AtEx Heating Jackets for 200 ltr. drums

Part no.: SPE-0200-EX
Power: 230V AC - 1x1050 W
Heating element: Self-limiting
Temperature range: To be specified
Dimensions: 1990x800mm

Part no.: SPE-0200-LIDEX (to be ordered seperately)
Insulation lid for 200 ltr. drums

AtEx Heating Jackets for 1000 ltr. IBCs

Part no.: SPE-1000-EX
Heating Zones: 2
Power: 230V AC - 1x1500 W
Heating element: Self-limiting
Temperature range: To be specified
Dimensions: 4400x1000mm

Part no.: SPE-1000-LIDEX (to be ordered seperately)
Insulation lid for IBC

Technical Data

Heating element: Self-limiting
Ambient temperature: -55°C - +55°C
(jackets for higher temperature on request)

Directive and classification: AtEx 94/9EC - II 3G Ex e II T5

PROGRESSIVE CAVITY PUMPS

SP-700SR Progressive Cavity Series

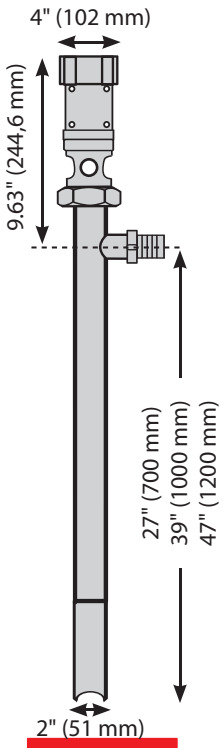
STANDARD's 700SR series pumps are engineered to transfer viscous materials from drums and ToteTanks®. The progressive cavity design delivers a continuous flow of material with little product degradation. Pumps are available with TEFC and Hazardous Duty motors . Maximum viscosity is 25,000 cps (mPas).

Common Applications

- Polymers
- Resins
- Adhesives
- Oils & Greases
- Paints
- 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:	PFTE, 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:	PTFE, Viton®, or Buna
Motor Drives:	SP-ENC series / SP-420EX
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	6 bar
• 752 Series	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

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

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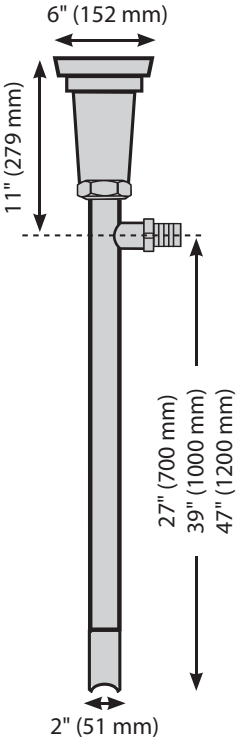
Motor Drives

SP-ENC Series

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, Intermediate Bulk Containers (IBC) and large storage vessels. Utilizing the principle of positive displacement, these pumps deliver a continuous flow of material with little product degradation. Pumps are available with a TEFC electric or air powered motors. 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:	PFTE, 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:	PFTE,Viton® or Buna
Motor Drives:	IEC & 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	6 bar
• 752 Series	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

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Motor Drives

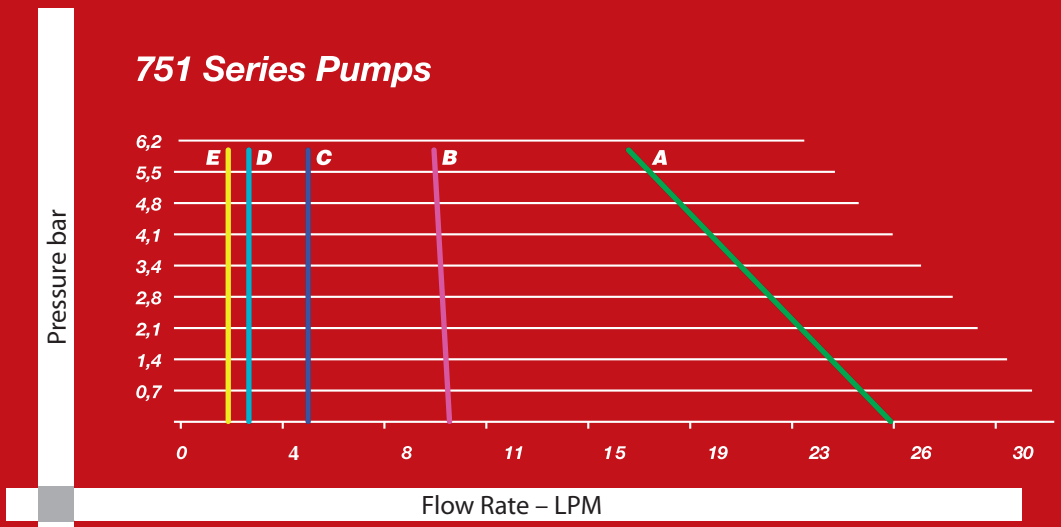
IEC

Pneumatic

Note: Refer to pg. 30 for motor information

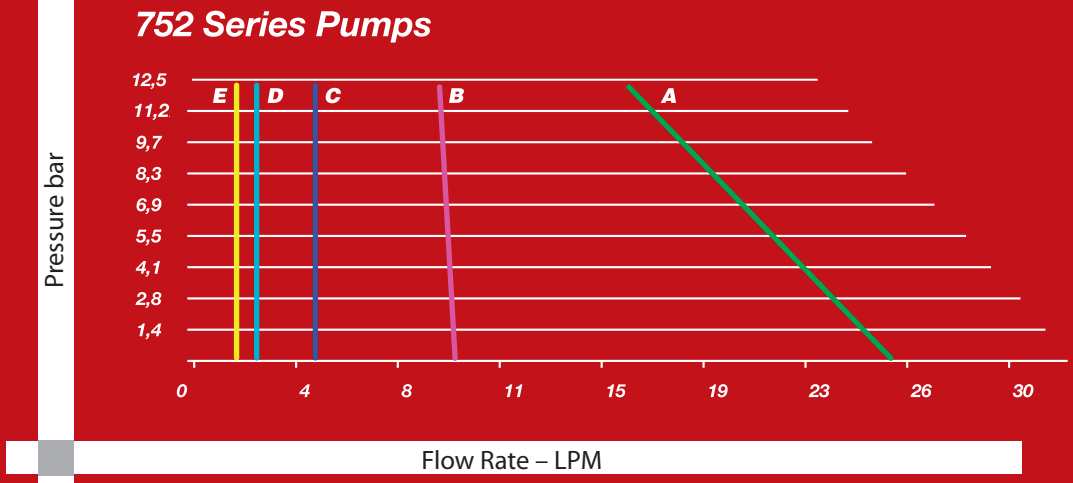
Performance Curves

751 Series Pumps



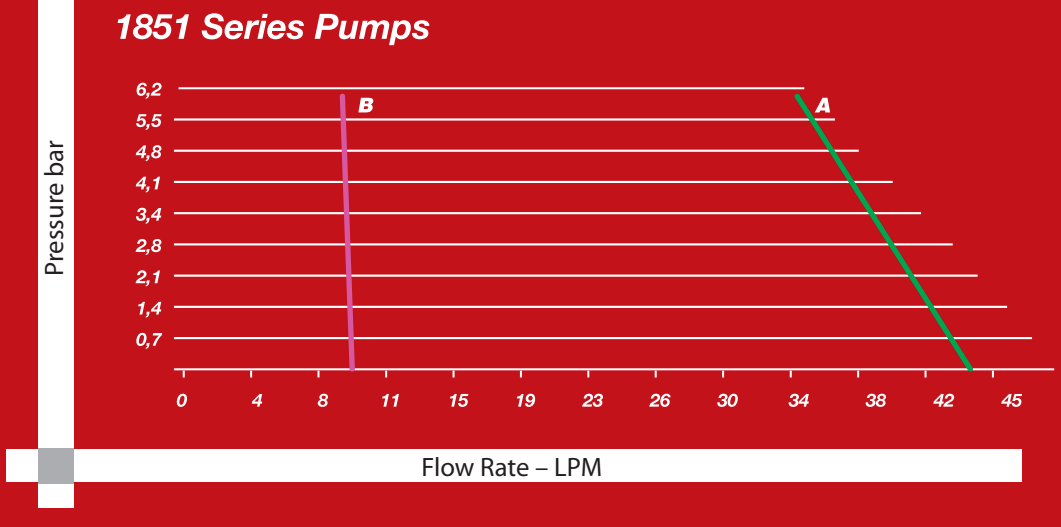
Viscosity cps (mPas)	Electric HP (KW)	Air HP (KW)
A 1	.75 (,55)	2 (1,5)
B 10,000	.75 (,55)	2 (1,5)
C 30,000	1 (,75)	4 (3)
D 60,000	1 (,75)	4 (3)
E 100,000	1.5 (1,1)	5 (3,7)

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.

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	.375"
SP-A6	4.0	3,0	300–900	130 CFM @ 100 psi 65 L/Sec @ 7 bar	IEC#72/D80	.5"
SP-A8	5.0	3,7	300–900	170 CFM @ 100 psi 80 L/Sec @ 7 bar	IEC#72/D90	.5"

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

Accessories for Progressive Cavity Pumps

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	

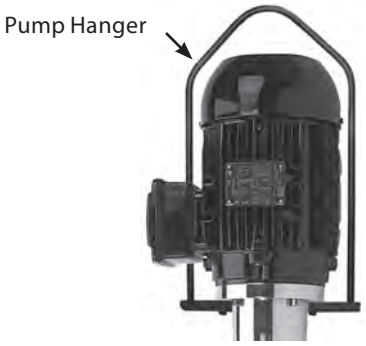
Recommended For: High pressure hydraulic oil lines. Tube: Black, oil resistant synthetic rubber. (Nitrile). Reinforcement: One braid of high tensile steel wire. Cover: Black, oil and abrasion resistant synthetic rubber. Flame Resistance: Meets Flame Resistant Designation "GL" Germanischer Lloyd. Meets 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 C°
40 /1.5 /-24	50,5	500	27/685,8	1,59	-34 to 104

Max Dynamic WP psi/bar	Max Static WP psi/bar	Min Burst Pressure psi/bar
725/50	970/67	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

ELECTRIC AND AIR

Batch Control System ELECTRIC (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

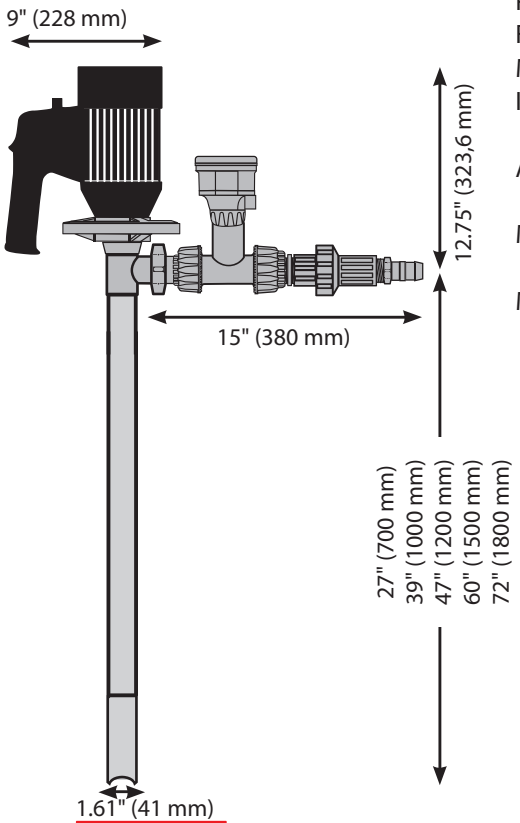
- Chemical Packaging
- Chemistry For Plating Tanks
- Water Treatment Chemicals
- Chemical Delivery

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

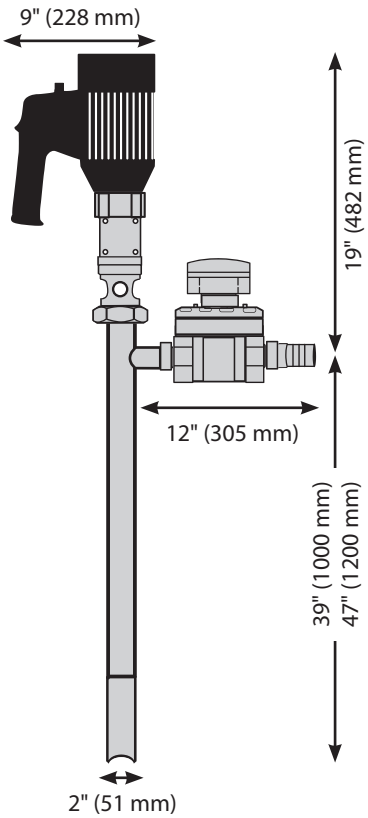
Available Wetted Parts:	Polypropylene, PVDF, Ceramic & Halar
Motor Drive:	SP-280 series (IP44) or SP-ENC series (IP54) (110–120 / 220–240v)
Discharge Fitting:	1" (25 mm) Hose Barb
Pumping Principle:	Centrifugal / Seal-less
Flow Range:	15,2 LPM – 102,2 LPM
Maximum Viscosity:	300 cps (mPas)
Immersion Length:	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 55º C Stainless & PVDF 80º C
Minimum Batch Size:	1 Liter



Controller Display

Batch Control System ELECTRIC (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 / PTFE
Motor Drive:	SP-ENC series (IP54)
Discharge Fitting:	1 ½" (38 mm) Hose Barb
Mechanical Seal:	SiC/Viton*/SiC
Pumping Principle:	Progressive Cavity – Positive Displacement
Max. Discharge Pressure:	87 psi (6 bar)
Flow Range:	9,8 LPM – 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:	80º C

Controller Display

*Viton is a registered trademark of DuPont Dow Elastomers.

Batch Control System - AIR (Low 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

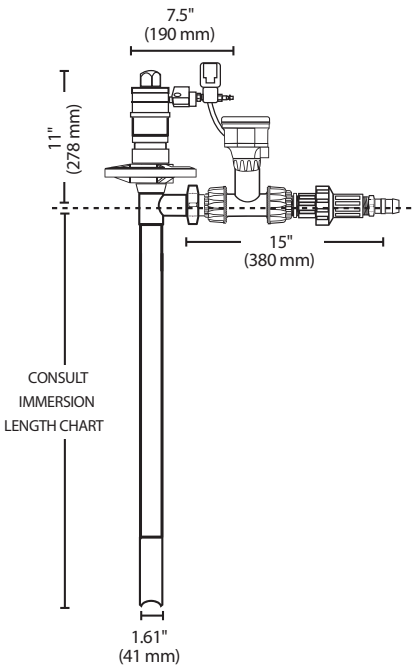
- Chemical Packaging
- Chemistry For Plating Tanks
- Water Treatment Chemicals
- Chemical Delivery

Features

- Turbine Paddle Wheel Design
- Measures: Gallons, Liters, Cubic Meters
- Re-settable Totalizer
- User Friendly "In Field" Calibration
- 7 Pre-Set Batches
- PP & PVDF Materials of Construction
- Relay Output Signal

Technical Data

Motor Drive:	Air, 1/2 hp (370W)
Discharge Fitting:	1 " (25 mm) Hose Barb
Mechanical Seal:	SiC/Viton®/SiC
Pumping Principle:	Centrifugal / Seal-Less
Flow Range:	15,2 LPM – 75,7 LPM based on water
Immersion Length:	27" (700mm), 39" (1000 mm), 47" (1200 mm) 60" (1500mm) or 72" (1800mm)
Max Viscosity:	300 cps (mPas)
Metering Principle:	Turbine (Paddle Wheel)
Accuracy:	+/- 0.61 % of Full Scale +/- 1% of Reading
Maximum Temperature:	Polypropylene 55ºC PVDF 80ºC

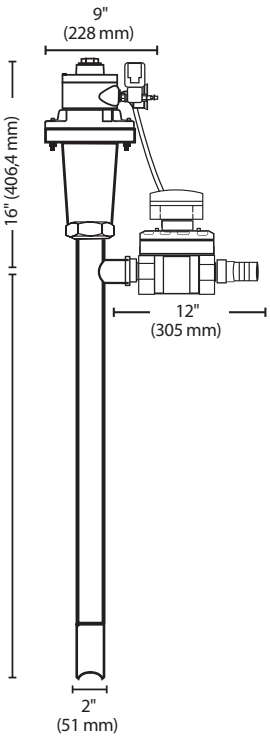


Controller Display

®Viton is a registered trademark of DuPont Dow Elastomers.

Batch Control System - Air (High Viscosity)

STANDARD's Batch Control System (BCS) is engineered for high precision dosing and filling operations containing viscous duty 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
- Varnishes (non-flammable)
- Oils
- 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/Aluminium/PTFE		
Motor Drive:	Air, 2 HP (1,5 KW)		
Discharge Fitting:	1,5 " (38 mm) Hose Barb		
Mechanical Seal:	SiC/Viton®/SiC		
Pumping Principle:	Progressive Cavity - Positive Displacement		
Flow Range:	9,8 LPM – 45 LPM based on water		
Max. Discharge Pressure:	6 bar		
Immersion Length:	39" (1000 mm) or 47" (1200 mm)		
Viscosity Range:	Part no. 7631	39"	1-10,000 cps (mPas)
	Part no. 7641	47"	1-10,000 cps (mPas)
	Part no. 7635	39"	10,000-25,000 cps (mPas)
	Part no. 7645	47"	10,000-25,000 cps (mPas)
Metering Principle:	Oval Gear 220V		
Accuracy:	+/- 0.63 % of Full Scale		
	+/- 1% of Reading		
Maximum Temperature:	80ºC		

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

Paddlewheel Technology

Technical Data

Available Sizes:	Polypropylene & PVDF ½" (13 mm) – 1½" (38 mm) SS316 3/4" (19 mm) – 1 1/4" (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): 1,6 LPM – 84,8 LPM 3/4" (75" (19 mm): 2,8 LPM – 150,7 LPM 1" (25 mm): 4,4 LPM – 235,4 LPM 1 1/4" (32 mm): 7,2 LPM – 386,1 LPM 1 ½" (38 mm): 11,3 LPM – 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).

CE

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:	½" (13 mm) & 1" (25 mm): 800 psi (55 bar) 1 ½" (38 mm) & 2" (51 mm): 260 psi (18 bar)
Flow Range:	½" (13 mm): 1 LPM – 30 LPM 1" (25 mm): 6 LPM – 120 LPM 1½" (38 mm): 10 LPM – 250 LPM 2" (51 mm): 15 LPM – 350 LPM

PlusAir

PlusAir – the new brand of air-operated double diaphragm (AODD) pumps

PlusAir is a product line of Standard Pump Europe and offers a wide range of AODD pumps for many different industries, e.g. Automotive, Chemicals, Paints, Inks or Wastewater to meet requirements in all industries.

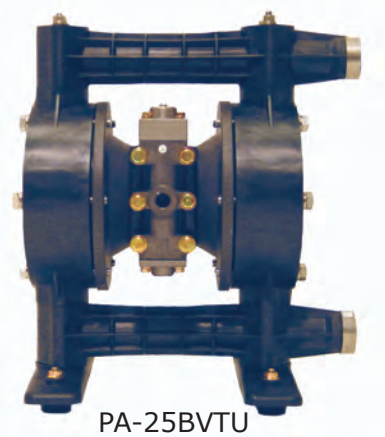
PlusAir pumps are made by one of the world-wide leading pump manufacturers who has more than half a century of experience in developing and making AODD pumps.

PlusAir AODD pumps ranging from the light weight Polypropylene (1,3kg) version with a maximum capacity of 11,7 l/m to the stainless steel version weighing 104 kg with a maximum flow rate of 814 l/m.

PlusAir pumps are available in Polypropylene, Groundable Acetal, Aluminium, Stainless Steel, Cast Iron and PVDF.

AtEx certified pumps are available in many different sizes and many body and diaphragm materials.

For further details please contact your local distributor or Standard Pump Europe, E-mail: info@standard-europe.eu



PA-25BVTU

PA-20BSTU

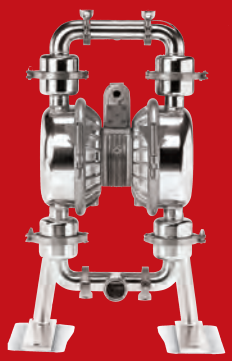
PA-15FDT

INDUSTRIAL PUMP




Additional Markets Served:

Pure Pump - The Sanitary Line



Pure Pump - AODD Series

AdBlue - DEF Pumps

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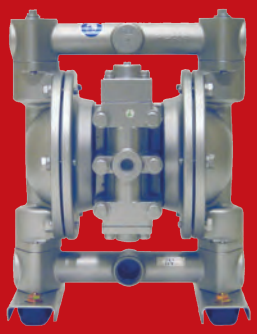

PlusAir AODD Pumps
Industrial and FDA compliant

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