JONSN
PUMPS & TECHNOLOGY

INTEGRAL SOLUTION FOR BARREL AND
CONTAINER LIQUID TRANSFER

DRUM PUMPS



Manufacturer of high quality industrial pumps

China (International Trade)
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TÜVRheinland®
Precisely Right.

CE

JONSN
PUMPS & TECHNOLOGY

ENTERPRISE PROFILE

2010
Shanghai Jonsn Fluid Equipment Co., Ltd was established. And the company's core management has dozens of years of experience of European and the American imported barrel pumps.

2012
The R&D center of Jonsn pumps was established. The whole series of Jonsn barrel pump was designed and tested, and get the CE certification.

2014
Jonsn optimized the structure of the drum pump, extend the life of the drum pump. significantly extended, and the drum pump achieve mass production.

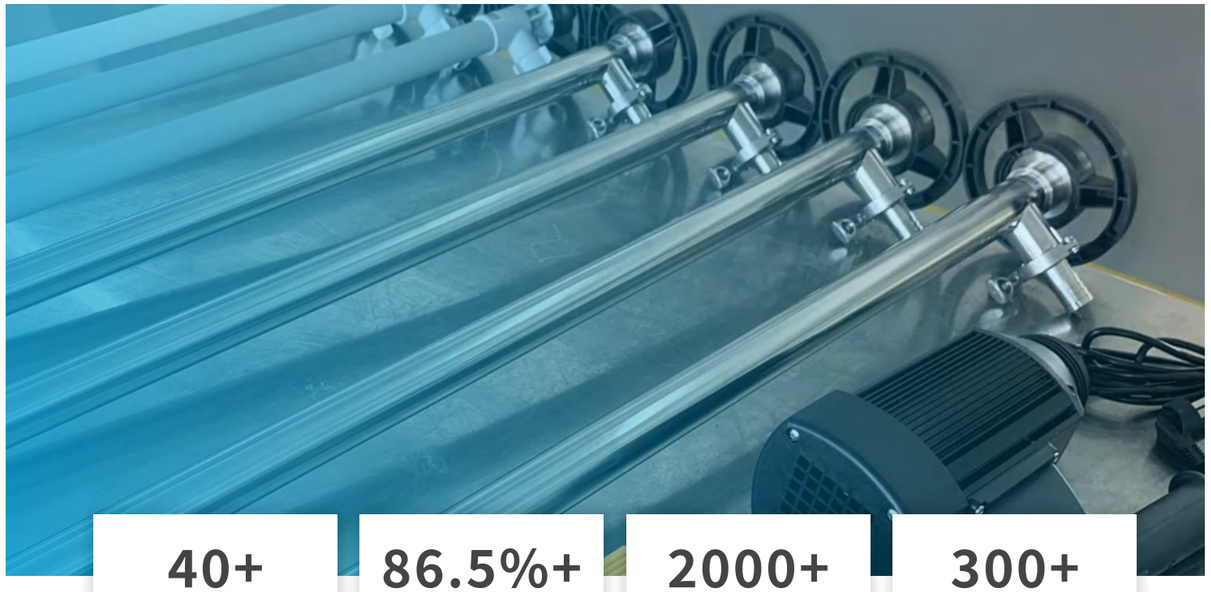
2018
The strategic positioning of Jonsn is upgraded to "reliable high-quality pump supplier", focusing on quality control, achieve 100% qualified factory test, to make reliable and quality products.

2020
Jonsn new factory officially built in Ganzhou, Jonsn pumps obtained Germany Rhine ISO9001 TUV quality management system certification.

2022
To meet the demands of the international market, JONSN began to independently export barrel pumps, TB and HT series drum pump are.

2025
Thanks to its high quality and competitive price, JONSN drum pumps have been recognized by many foreign distributors and have been exported to over 80 countries all over the world.





40+
Precision Machining Equipment

86.5%+
Annual Repurchase Rate

2000+
Long-term Cooperative Customers

300+
Industry Benchmark Customers



Mazak Machining Center


Double - Plane Lapping Machine



Zeiss Coordinate Measuring Machine (CMM)


Precision High-Speed Jig Milling and Grinding Center

ENTERPRISE PROFILE

JONSN (Ganzhou) Fluid Technology Co., Ltd.,founded in 2020 is a high-tech enterprise integrating the R&D, production, sales and service of fluid conveying equipment, we focus on the full range of drum pump products and devote ourselves to the field of packaging fluid conveying solutions.

With more than 20 years of deep experience, Jonsn boasts standardized production workshops and advanced processing and testing equipment. Leveraging the over 20 years of experience in R&D and manufacturing of fluid equipment of Shanghai JONSN, we inherit advanced European and American technologies and pursue independent innovation, developing a full range of products including universal size of drum pumps, high-viscosity drum pumps and electric and air drive options. Our products serve multiple industries such as chemical engineering, pharmaceuticals, coatings, food and new energy, and can meet the conveying requirements of various packaged media ranging from low-to-medium viscosity to ultra-high viscosity, and from corrosive media to explosion-proof scenarios.

Relying on high-quality and highly adaptable drum pump products, we provide efficient, safe and reliable packaged fluid conveying solutions for global customers. Our products not only cover the domestic market extensively but also are exported to 80+ countries such as Germany, Switzerland and France, winning wide recognition from customers at home and abroad.

PT SERIES HIGH PERFORMANCE DRUM PUMP



Features:

Security: Designed with a non-leakage, high pressure shielding structure, the PT drum pump is safe to use and able to convey all kinds of hazardous material.

Practicality: Portable with a total weight 4-8kg for pump & motor ; The PT pump has a high performance closed impeller, enabling it to empty a standard 200L drum in 2-3minutes.

Versatility: Standard quick-fit 1" connector or quick-fit G1 thread structure, suitable for all types of connectors, complete with accessories to meet different demands.

Reliability: The motor and pump tube adopt quick-alignment mounting structure and the modular construction design makes installation, dismantling for cleaning and maintenance easier without auxiliary tools. Dismantling and assembling can be completed in 5-10 minutes.

Environment Friendliness: No pollution to the environment.

Drive Mode: Electric motor or air motor

Applications:

Mainly used for all kinds of strong acids, alkalis, organic solvents, additives, auxiliaries, oils and other kinds of barrels or containers of medium and low viscosity media. Such as: methanol, acetone, toluene, acetic acid, nitric acid, phosphoric acid, sodium hydroxide, sodium hypochlorite,hydrofluoric acid, acrylic acid, ammonia, cyclohexane, etc.

Technical data:

- **Flow rate:** 0-160 l/min (electric motor), 0-120 l/min (air motor)
- **Delivery head:** 0-25 m (electric motor), 0-16 m (air motor)
- **Max. temperature:** PP: 71℃, PVDF: 49 ℃, SS:160 ℃
- **Viscosity:** 0-100cps (electric motor), 0-100cps (air motor)
- **Max. gravity:** 1.8
- **Drive:** Electric motor or air motor as option.
- **Immersion length:** 700mm, 1000mm, 1200mm Non-standard custom

Pump Material

Model	Out Tube	Shaft	O-Ring	Bushing	Coupling	Impeller	Weight
PTPH	PP	HC276	VITON	PTFE	Zinc-alloy	ETFE	2.5kg
PTPS	PP	SS304	VITON	PTFE	Zinc-alloy	ETFE	2.5kg
PTVH	PVDF	HC276	VITON	PTFE	Zinc-alloy	ETFE	3.5kg
PTSS	SS304/SS316	SS304/SS316	PTFE	PTFE	Zinc-alloy	ETFE	5.6kg

PT P H 10
1 2 3 4

1 Pump series number
2 Pump material: S: Stainless steel P: PP V: PVDF
3 Shaft Material : S: Stainless steel H: Hastelloy(HC276)
4 Pump Length : 07: 700mm 10: 1000mm 12: 1200mm C: Customized

PT SERIES HIGH PERFORMANCE DRUM PUMP


TM 750


AM 330


AM 640

NOTE

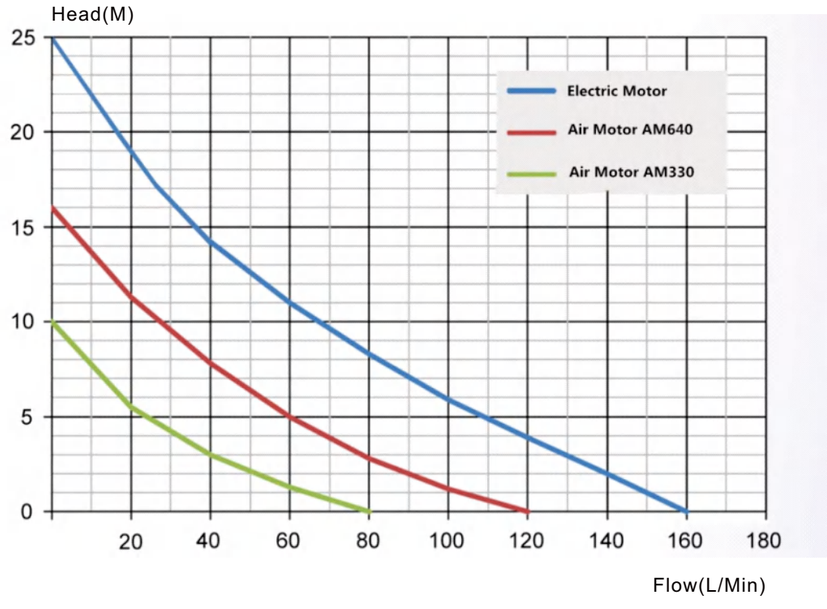
The performance of the pump tube varies with the motor, check the production parameters when selecting the motor.
The actual speed of the air motor is influenced by the pressure of the air source, which directly affects the flow and head.
While using air motors, it is important to use an air filter to filter out any moisture from the air supply.
Use air motors or explosion-proof motors with stainless steel tubes in explosionproof areas and install potential grounding wires to prevent explosions caused by electrostatic sparks.

Motor parameters

Model	Type	Power	Voltage	Air consumption	Rotate speed	Weight	Application area
TM750	Speed motor	750W	220W	/	0-10000rpm	3.5kg	Normal
BM800	Ex motor	800W	220W	/	10000rpm	5.0kg	Explosion-proof area
AM640	Air motor	640W		56.5m³/h	0-16000rpm	2.0kg	Explosion-proof area



CURVE PT SERIES



- Kindly be noted:
- Above data are based on 25℃ water as test media. Flow and head are affected by viscosity, density of liquid and motor rotate speed.

PT Series Pump Tube Material And Structural Drawing

PT series tubing Structural Analysis

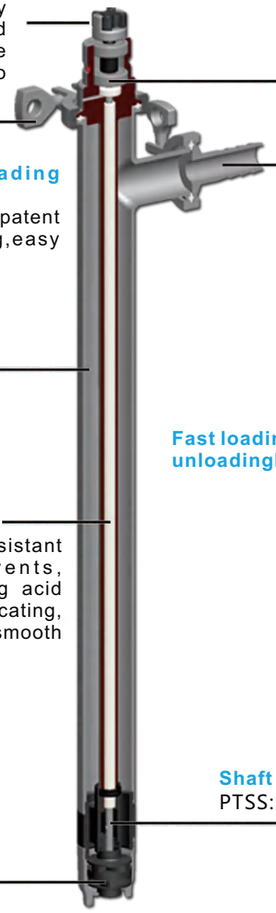
High Performance Coupling
Zinc alloy / nitrile rubber material. high torque, high temperature can greatly absorb motor vibrations and load the material fatigue strength, service life of up to 2 years.

Fast loading and unloading clamp
JONSN professional design,patent structure Regularcleaning,easy maintenance

Pump Tube
PTSS:304SS/316L

Shaft Guide
Tefion material,resistant to organic solvents, resistant to strong acid wear and self-lubricating, spindle to ensuresmooth operation

High Performance Impeller



High Performance Bearing Sets

Fast loading and unloading hose connector

Shaft
PTSS: 304SS/316L

PTSS Pump tube

Fast loading and unloadinghose connector



PumpTube
PTPH/PTPS: PP
PTVH: PVDF

Main Shaft
PTPS: 304SS/316L
PTPH/PTVH: Hastelloy

Center Bracket

PTSS/PTPH/PTVH Pump tube

TB SERIES UNIVERSAL SIZE DRUM PUMP



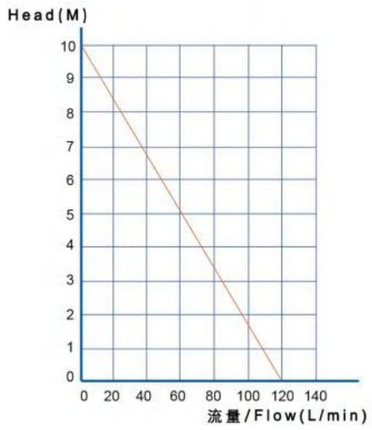
Features:
The TB series is designed and developed for the transfer of liquids from small bore vessels, with a modular construction and an unglazed seal and leak-free design to reduce future maintenance costs. The 42 mm pipe diameter is suitable for low viscosity media in 25 kg drums, such as solvents, bleaching liquids, hydrochloric acid, nitric acid, sulphuric acid and other media.

Technical data:
- **Max. Flow rate:** 120l/min (electric motor), 58 l/min (air motor)
- **Max. head:** 10 m (electric motor), 5m (air motor)
- **Max. temperature:** 66 ℃
- **Viscosity:** 100cps
- **Max. gravity:** 1.8
- **Drive:** Electric motor or air motor as option.
- **Immersion length:** 700mm, 1000mm, 1200mm, Non-standard custom

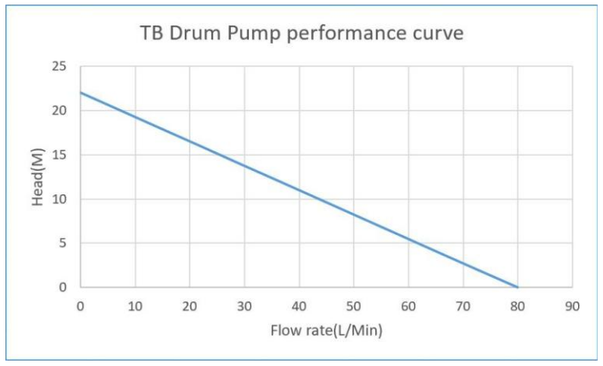
Pump Tube Material

Model	Out Tube	Shaft	O-Ring	Bushing	Coupling	Impeller	Weight
TBSS	SS304/SS316	SS304/SS316	VITON	PTFE	Nylon	ETFE	2.5kg
TBPS	PP	SS304	VITON	PTFE	Nylon	ETFE	1.8kg
TBPH	PP	HC276	VITON	PTFE	Nylon	ETFE	1.8kg
TBVH	PVDF	HC276	VITON	PTFE	Nylon	ETFE	1.8kg
TBAS	Alumimum	SS304	VITON	PTFE	Nylon	ETFE	2kg

Performance Curve



TB High flow model



TB-H High head model

Kindly be noted:
1. Above data are based on 25℃ water as test media.
2. Flow and head are affected by viscosity, density of liquid and motor rotate speed

Choice of motor			Operating data		
	Model	**TM800V**	**Specification**	**Rotor**	**Impeller**
 TM800V	Voltage	110V/220V/230V/Single	Flow rate	80L/Min	120L/min
	Power	800W	Delivery head	22 m	10 m
	Speed	0-10000RPM	Viscosity	200cps	200cps
	Ex-proof	No	Density	1.8	1.8
	Model	**TM580**	**Specification**	**Rotor**	**Impeller**
 TM580	Voltage	110V/220V/230V/Single phase	Flow rate	78L/min	87L/min
	Power	580W	Delivery head	22 m	15 m
	Speed	10000RPM	Viscosity	500 cps	500 cps
	Ex-proof	No	Density	1.8	1.8
	Model	**TM800**	**Specification**	**Rotor**	**Impeller**
 TM800	Voltage	110V/220V/230V/Single phase	Flow rate	78L/min	87L/min
	Power	800W	Delivery head	22 m	15 m
	Speed	10000RPM	Viscosity	500 cps	500 cps
	Ex-proof	No	Density	1.8	1.8

Choice of Electric Motor



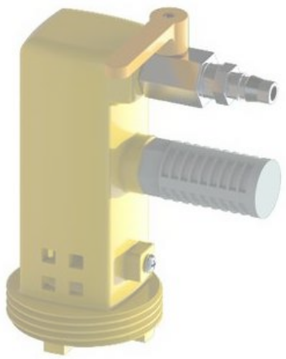
Choice of motor			Operating data		
	Model	**BM800V**	**Specification**	**Rotor**	**Impeller**
 BM800V	Voltage	110V/220V/230V/Single phase	Flow rate	80L/Min	120L/min
	Power	800W	Delivery head	22 m	10 m
	Speed	0-10000RPM	Viscosity	200cps	200cps
	Ex-proof	Ex DII BT 4	Density	1.8	1.8
	Model	**BME580**	**Specification**	**Rotor**	**Impeller**
 BME580	Voltage	110V/220V/230V/Single phase	Flow rate	95L/min	124L/min
	Power	580W	Delivery head	22 m	14 m
	Speed	10000RPM	Viscosity	350 cps	350 cps
	Ex-proof	Ex db eb II CT5	Density	1.8	1.8
	Model	**BME800**	**Specification**	**Rotor**	**Impeller**
 BME800	Voltage	110V/220V/230V/Single phase	Flow rate	95L/min	124L/min
	Power	800W	Delivery head	22 m	14 m
	Speed	10000RPM	Viscosity	800 cps	800 cps
	Ex-proof	Ex db eb II CT5	Density	1.8	1.8

Choice of Electric Motor



Choice of motor			Operating data		
	Model	**AM370**	**Specification**	**Rotor**	**Impeller**
 AM370	Power	370W	Flow rate	42L/min	58L/min
	Air pressure	7bar	Delivery head	8 m	5 m
	Speed	0-16000RPM	Viscosity	200cps	200cps
	Air consumption		Density	1.8	1.8
	Model	**AM330**	**Specification**	**Rotor**	**Impeller**
 AM330	Power	330W	Flow rate	42L/min	58L/min
	Air pressure	7bar	Delivery head	8 m	5 m
	Speed	0-10000RPM	Viscosity	200cps	200cps
	Air consumption	35.1m³/h	Density	1.8	1.8
	Model	**AM1000**	**Specification**	**Rotor**	**Impeller**
 AM1000	Power	1000W	Flow rate	80L/min	120L/min
	Air pressure	7bar	Delivery head	10 m	5 m
	Speed	0-16000RPM	Viscosity	200cps	200cps
	Air consumption		Density	1.8	1.8

Choice of Air Motor



Pump Tube PP (polypropylene)
For corrosive and neutral liquids

Picture	Specification			
	Immersion tube diameter:			41mm
	Medium Temperature			66℃
	Material:			Polypropylene
	Hose connection:			ZG1”
	Length: 700 mm	SS shaft	Model	TBPS07
	Length: 1000 mm	SS shaft	Model	TBPS10
	Length: 1200 mm	SS shaft	Model	TBPS12
	Length: 700 mm	HC shaft	Model	TBPH07
	Length: 1000 mm	HC shaft	Model	TBPH10
	Length: 1200 mm	HC shaft	Model	TBPH12

Drum and Container Pump



Pump Tube PVDF (polyvinylidene fluoride)

for highly corrosive chemicals and neutral liquids

Picture	Specification			
	Immersion tube diameter:			41mm
	Medium Temperature			66℃
	Material:			PVDF
	Hose connection:			ZG 1”
	Length: 700 mm	HC shaft	Model	TBVH07
	Length: 1000 mm	HC shaft	Model	TBVH10
	Length: 1200 mm	HC shaft	Model	TBVH12



Drum and Container Pump

Drum and Container Pump

Pump Tube SS(SS304/SS316L)

For corrosive and neutral liquids

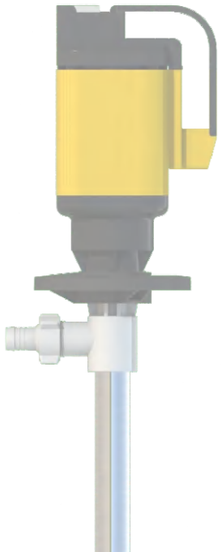
Picture	Specification			
	Immersion tube diameter:			41mm
	Medium Temperature			66℃
	Material:			Polypropylene
	Hose connection:			ZG1”
	Length: 700 mm	SS304	Model	TBSS07-304
	Length: 1000 mm	SS304	Model	TBSS10-304
	Length: 1200 mm	SS304	Model	TBSS12-304
	Length: 700 mm	SS316L	Model	TBSS07-316
	Length: 1000 mm	SS316L	Model	TBSS10-316
	Length: 1200 mm	SS316L	Model	TBSS12-316



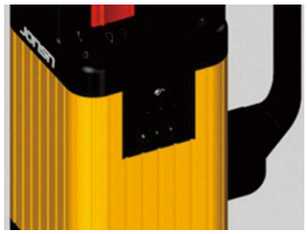
Drum and Container Pump

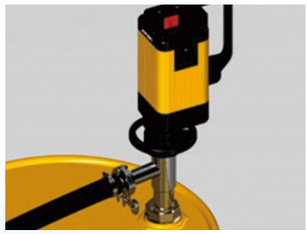
Pump tube Alu (aluminum)
for neutral, non flammable liquids

Picture	Specification		
	Immersion tube diameter:		41mm
	Medium Temperature		66℃
	Material:		Polypropylene
	Hose connection:		ZG1”
	Length: 700 mm	Model	TBAS07
	Length: 1000 mm	Model	TBAS10
	Length: 1200 mm	Model	TBAS12



Drum and Container Pump





Features:

The HV series medium viscosity drum pump is a new product designed for 0-5000 cps viscosity media. Its design continues to be portable, easy to operate, modular, and outlet hose easy to remove, etc. After long-term site follow-up and customer feedback, this pump is ideal for the transfer of glycerin, lubricating oil and other kinds of medium viscosity media. This pump is durable, safe and reliable.



Technical data:

- **Flow rate:** 20-180 L/Min
- **Delivery head:**2-7 m
- **Max. temperature:** 90℃
- **Viscosity:** 0-5000 cps
- **Max. gravity:** 1.8
- **Pump OD:** 46mm
- **Outlet OD:** 32mm
- **Drive:** Electric motor
- **Pump length:** 1000mm
- **Voltage:** 220V
- **Power:** 2KW
- **Rotate speed:** 300-10000rpm
- **Application:** No explosion-proof area

Pump Material

Model	Out Tube	Shaft	Sliding bearing	Coupling	Impeller	Weight
HVSS	SS304	SS304	PTFE	Nylon	PVDF	8.5kg

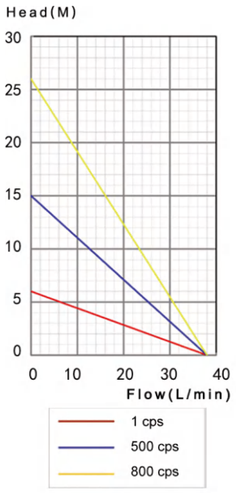
HT SERIES HIGH VISCOSITY DRUM PUMP



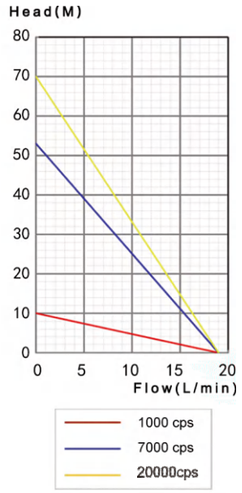
Features:

- The HT series is designed for high viscosity liquids and conveys media range include: glues, paints, emulsions, various resins, polymers and other materials.
- It conveys liquids of different viscosities with different motors, in the range 0-20000cps.
- The HT series pump tubes are of sanitary construction and easy to clean.
- Mechanical seal - Reliable seal, no leakage in a long period of use. No dead angle to clean, prevent miscellaneous bacteria pollution.

Performance curve



Motor: PM 750 & BM 750
Viscosity:1-800 CPS



Motor: PM 1500 & BM 1500
Viscosity:800-7000 CPS

Motor: PM 2200 & BM 2200
Viscosity:7000-20000cps

Technical Data

Model	HTSS-A
Max. flow rate	38L/min
Max. head	60m
Max. temp	90℃
Viscosity	0-20000cps
Max. gravity	1.8
Pump material	SS316L
Seal	Mechanical seal
Rotor	SS316L
Stator	PTFE/NBR
Impeller	Single screw
Drive	Electric/air motor

Motor model	Type	Power	Rotate speed	Phase	N.W
BM800V	Ex proof	800W	0-10000rpm	1PH	6kg
PM750	General	750W	960rpm	3PH	15kg
PM1100	General	1100W	960rpm	3PH	18kg
PM2200	General	2200W	960rpm	3PH	22kg
BM750	Ex proof	750W	960rpm	3PH	28kg
BM1100	Ex proof	1100W	960rpm	3PH	38kg
BM2200	Ex proof	2200W	960rpm	3PH	45kg
AM1500	Air motor	1500W	300-3000rpm	3PH	18kg
AM3000	Air motor	3000W	300-3000rpm		20kg

NOTE:

1. The performance of the pump tube varies with different motors, check the production parameters while choosing a motor.

2. The actual speed of the pneumatic motor is influenced by the pressure of the air source, which in turn affects the flow and head.

3. Use air motors or explosion-proof motors with stainless steel tubes in explosion-proof areas and install potential grounding wires to prevent explos ions caused by electrostatic sparks.

4. The adapter can be matched with IEC single-phase or three-phase, normal or explosion-proof motors, Y or YB series B14 flange-mounted motors, or with pneumatic motors with standard connections.

ZS SERIES PNEUMATIC PISTON PUMP

Product overview

As a professional barrel pump manufacturer, Jonsn not only manufactures electric barrel pumps, but also pneumatic barrel pumps.

Pneumatic piston pump(Abbreviation: slurry pump, also called: leather spray pump, beating pump, pneumatic pump, penumatic painting pump, pneumatic slurry pump, pneumatic explosion-proof barrel pump, pneumatic reciprocating pump), has a dozen years of production history.

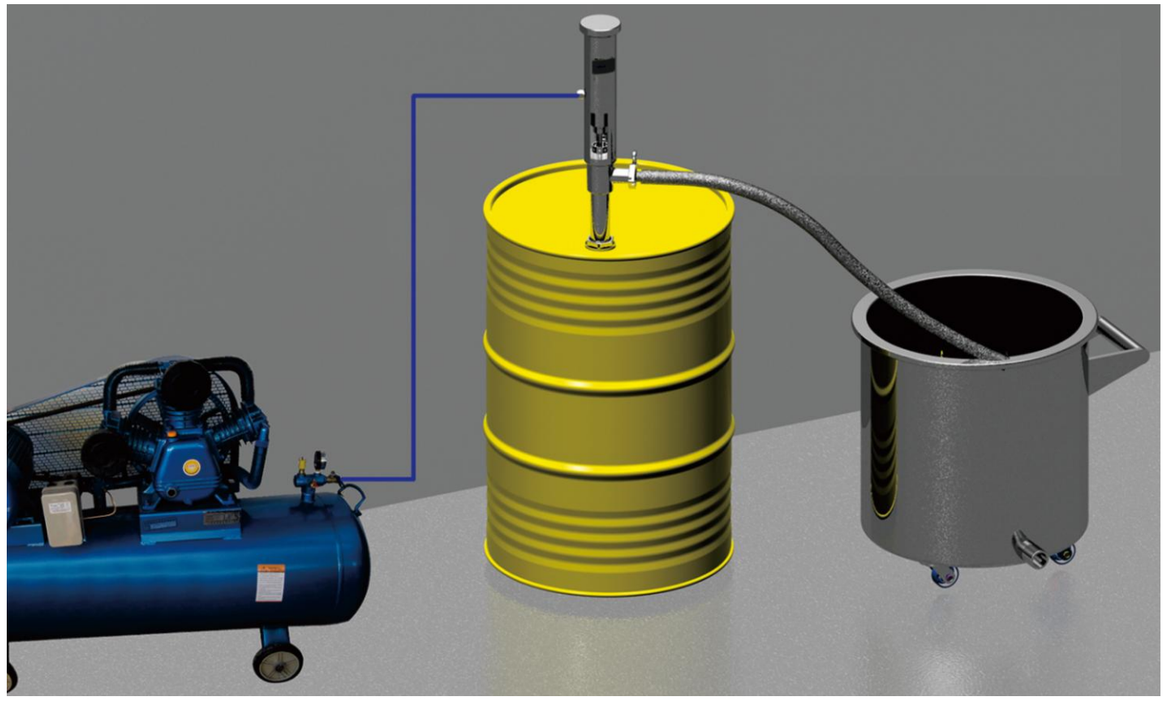
Working principle

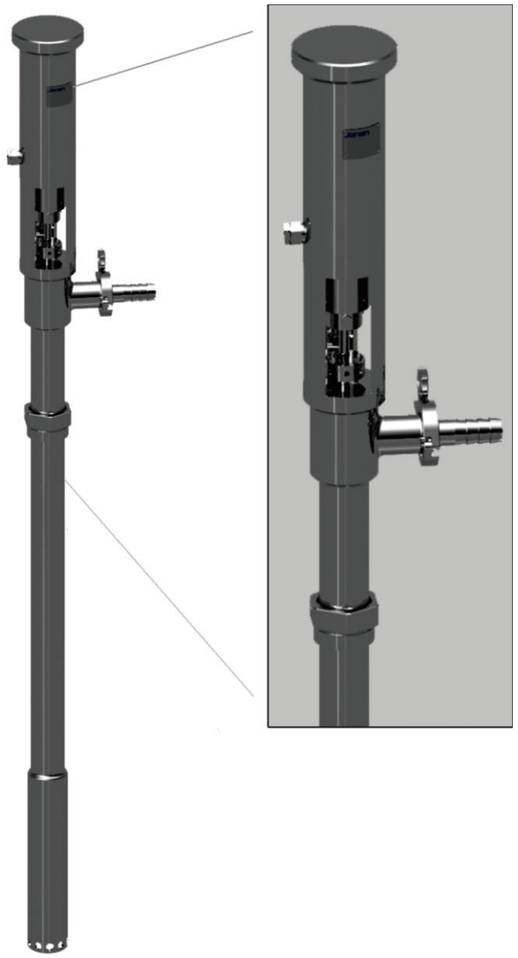
This pump adopts the role of pressure difference, so that the piston runs up and down, drive the guide piston open and close, play the role of material lifting and transporting.

The feed flow of the pneumatic piston pump can be controlled and adjusted by adjusting the supply and pressure of the working gas to the pneumatic piston pump. At the same time, the pneumatic hydraulic control system can make it work automatically.

High viscosity liquid







Features:

- ZS series pneumatic piston pump takes the advantage of air pressure difference effect, the piston moves up and down, driving the ball at the bottom of the pump pipe to open and close, playing the role of material delivery.
- The feed flow of the pneumatic piston pump is controlled and regulated by adjusting the air flow and air pressure, combined with an automatic level control system to make it work automatically.
- With functions like explosion-proof and corrosion-resistant sedimentation, low noise and energy saving, it is the ideal equipment for conveying high viscosity media in barrels.

Applications:

Widely used in leather, textile, printing and dyeing,plastic, wallpaper, color coated board, cosmetics, food, medical, chemical, spray painting, film aluminizing, fiberglass, plastic steel, petroleum, mining, ship,automobile, communication, electrical refrigeration and other industries, suitable for high viscosity 120,000cps liquid conveying.

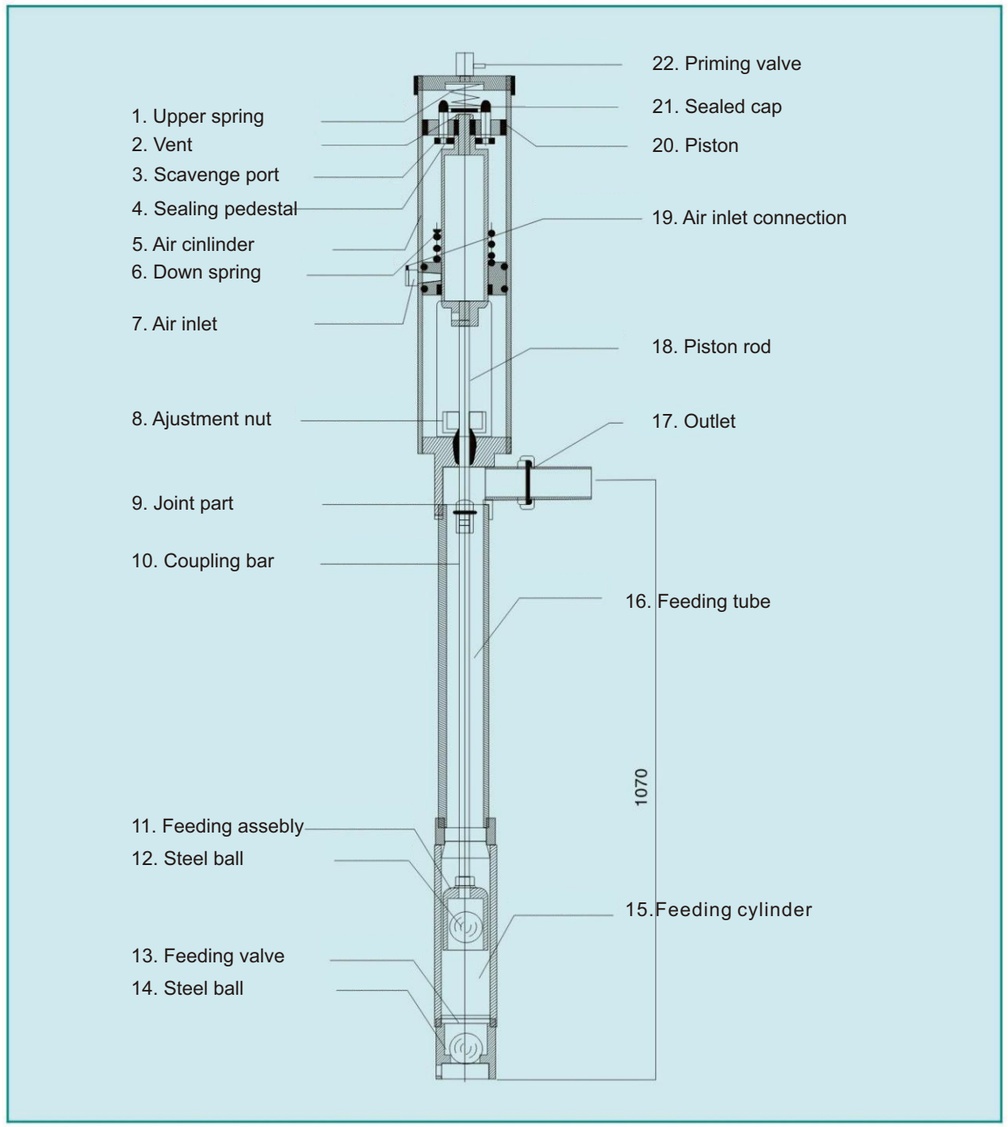
Technical data

Model	Flow rate	Head	Viscosity	Allowed particle OD	Temp	Inlet/Outlet OD	Air pressure	N.W
ZS1.2T-55	30L/M	30M	120000cps	0.8mm	120℃	55/32mm	0.3-1.0 Mpa	16 kgs
ZS3.2T-55	50L/M	30M	120000cps	1.2mm	120℃	55/32mm	0.3-1.0 Mpa	19 kgs
ZS5.0T-88	100L/M	30M	120000cps	0.8mm	120℃	88/50mm	0.3-1.0 Mpa	37 kgs

ZS SERIES PNEUMATIC PISTON PUMP

Operating Instructions:

- Put the guide tube correctly into the narrel to be delivered.
- Connect the corrosion-resistant hose from the discharge port to the feeding location.
- Close the air inlet valve, then connect the air source pipe to the air inlet connector, open the air inlet valve to adjust the operating frequencey of the pneumatic piston pump according to the required piston flow, and then it will work.



DRUM PUMP METERING CONTROL SYSTEM

Features:

It is mainly used for dosing, oil blending, water blending, drug blending and quantitative control of various liquids, with simple operation, intuitive display in English and can be combined with manual or automatic control.

Currently many companies use the original method of manual filling and pouring, which is labor-intensive and inefficient. This system is recommended for companies who want to improve their work efficiency without investing too much money.

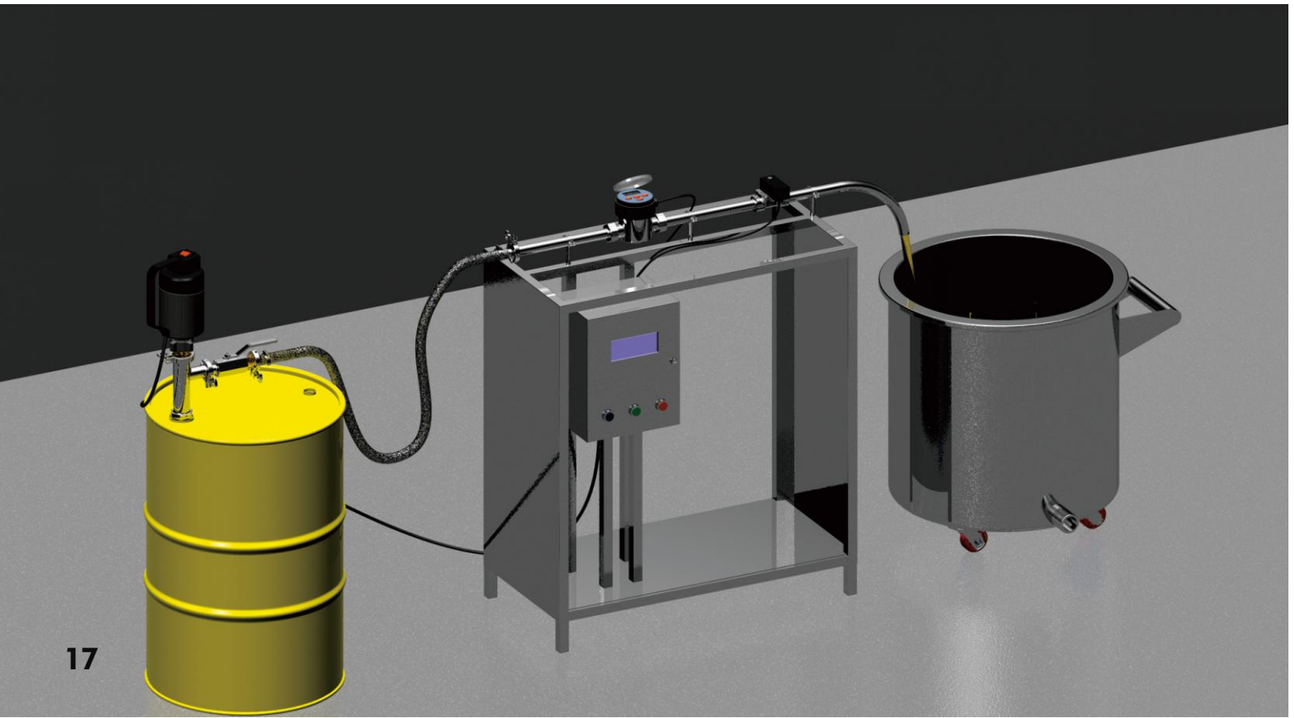
System Module:

Transfer modules: PT, TB, HT series drum pumps or other pumps
Flow control modules: flow sensors, indicators
Actuation control modules: solenoid valves, level switches, remote switches
Alarm module: alarm (sound, light) for specific conditions

Control process:

Once the quantitative controller receives the signal from the flow sensor, the controller outputs a switching signal when the total value displayed reaches the set quantitative value, which automatically stops and closes the electromagnetic closure, thus achieving the effect of quantitative control.

Pre-set flow rate to stop the pump (quantitative control)	Outlet level control to start /stop the pump.	Remote pump on / off	Inlet level control to start / stop the pump	Real time flow rate and cumulative flow rate display on site	Alarm: sound or visual alarm alerts	Prevent dry running and pump stop when pump is empty.	Timed pump start and stop



Drum pump control system

A complete drum pump control system could be offered, include flow meter, hose, dosing dispenser and check valve, etc.



Motor: variable-speed electric motors, ex-proof motors, air motors

Cable and plug, Euro, British, US and Chinese standard plug



Flow meter: quantative flow meter or ex-proof flow meter

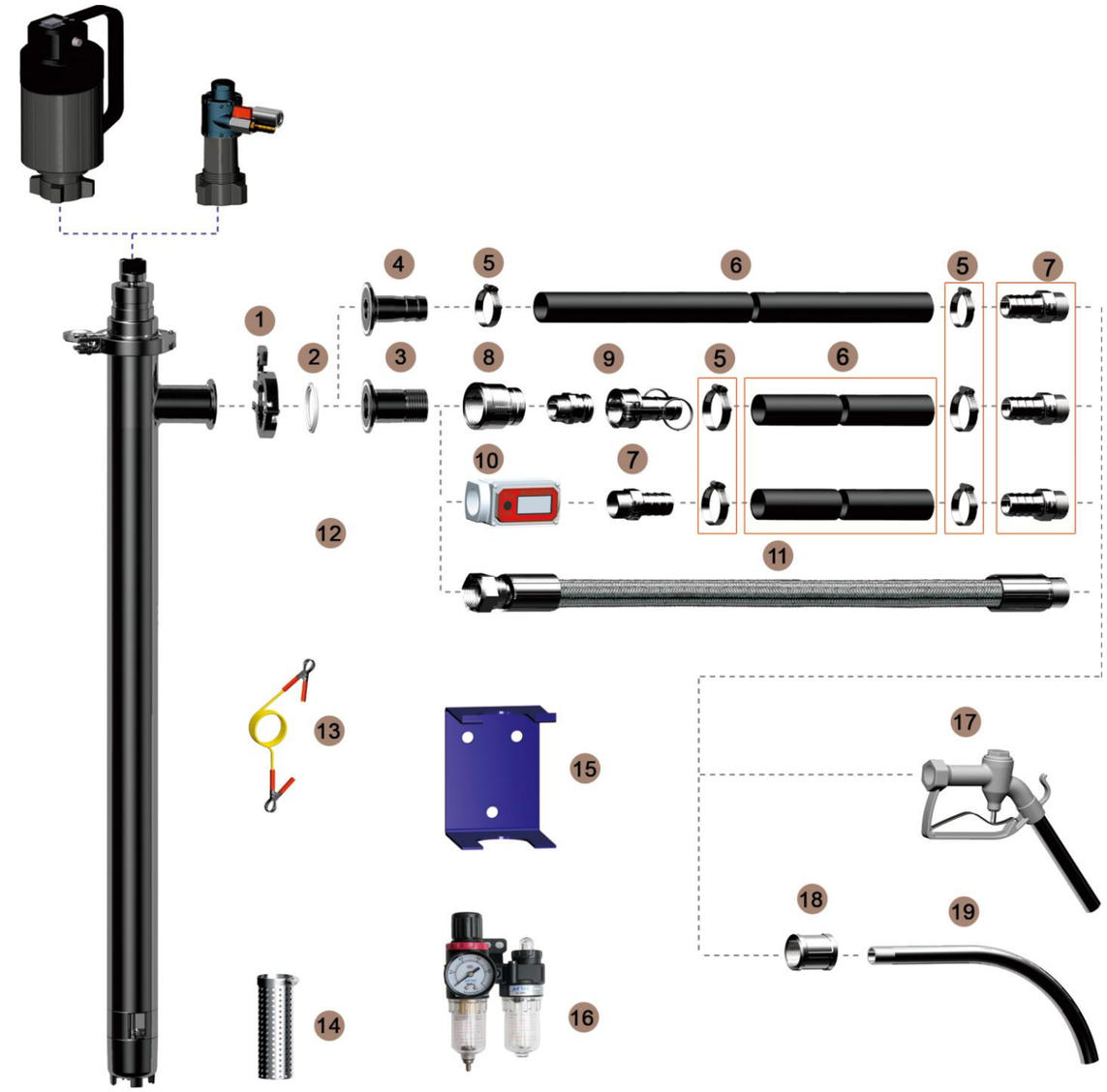
Hose fittings

Pump tube: SS304, SS316L, PP, PVDF, Aluminum material choose accordingly
Length: 700mm, 1000mm, 1200mm

Nozzles: PP nozzle, SS nozzle, Aluminum nozzle as option

Drum adapter

DRUM PUMP ACCESSORIES



1. Quick clamp	6. Hose	11. Hose with live joint	16. Air filter
2. Teflon gasket	7. Threaded hose connector	12. Pump fixator	17. Dosing gun
3. Threaded quick connector	8. Reducer union	13. Equipotential ground wire	18. Adaptor joints
4. Hose quick connector	9. Quick combination connector	14. Strainer	19. Drain pipe
5. Hose clamp	10. Flowmeter	15. Wall mounting	

A new generation of high-quality Centrifugal immersion pumps





- Light weight
- Small volume
- Easy to carry
- small power
- Self-lubricating
- Easy to maintain

HPS SERIES CENTRIFUGAL IMMERSION PUMPS



Features:

- Single tube design with compact dimension and light weight.Various of pump materials: SS316L, engineer plastic PPHT, high corrosion resistant fluoroplastics PVDF, applicable for various of different working conditions.
- Thanks to its light weight, this pump can be installed not only in fixed site, but also as a mobile pump in multiple locations. It is easy to maintain.
- Built-in copper sleeved sliding bearing and self lubricating system eliminates rely of sliding bearing on external lubricants.
- Lighter abrasion avoids replacement of sliding bearing during pump's life cycle.
- High effi c ienc y of energy sav ing and appl i cation of three dimensional impeller makes the submerged pump gain bigger flow rate from smaller power.
- The pump responds quickly and can be powered up to dispense liquid.
- External float switches or liquid level control cabinets can be connected to automatically control the start and stop of the pump; a pump protector can also be used to prevent the impact of idling, blocking and overloading on the pump.
- Various outlet connections, i.e. plug-in hose connection, threaded or flanged hard pipe connection.

Technical ofcentrifugal immersion pumps

Modelitem	Flow Rate	Head	Immersion Depth	Power	Voltage	Pump Material	Outlet Dia	Max.Dia of pump line	Viscosity
	(Ton/Hr)	(M)	(M)	(KW)	(V)		(MM)	(MM)	(cps)
HP-15-10-SS-1000	15	10	1.0	1.1	220/380	SS316	f38	140	1-2500
HP-15-10-SS-1015	15	10	1.5	1.1	220/380	SS316	f38	140	1-2500
HP-15-10-SS-2000	15	10	2.0	1.1	220/380	SS316	f38	140	1-2500
HP-15-10-SS-2500	15	10	2.5	1.1	220/380	SS316	f38	140	1-2500
HP-30-11-SS-1000	30	11	1.0	1.5	220/380	SS316	f45	140	1-2500
HP-30-11-SS-1500	30	11	1.5	1.5	220/380	SS316	f45	140	1-2500
HP-30-11-SS-2000	30	11	2.0	1.5	220/380	SS316	f45	140	1-2500
HP-30-11-SS-2500	30	11	2.5	1.5	220/380	SS316	f45	140	1-2500
HP-40-12-SS-1000	40	12	1.0	2.2	380	SS316	f50	149	1-2500
HP-40-12-SS-1500	40	12	1.5	2.2	380	SS316	f50	149	1-2500
HP-40-12-SS-2000	40	12	2.0	2.2	380	SS316	f50	149	1-2500
HP-40-12-SS-2500	40	12	2.5	2.2	380	SS316	f50	149	1-2500
HP-50-14-SS-1000	50	14	1.0	3	380	SS316	f50	149	1-2500
HP-50-14-SS-1500	50	14	1.5	3	380	SS316	f50	149	1-2500
HP-50-14-SS-2000	50	14	2.0	3	380	SS316	f50	149	1-2500
HP-50-14-SS-2500	50	14	2.5	3	380	SS316	f50	149	1-2500

HPT SERIES CENTRIFUGAL IMMERSION PUMPS



HPT

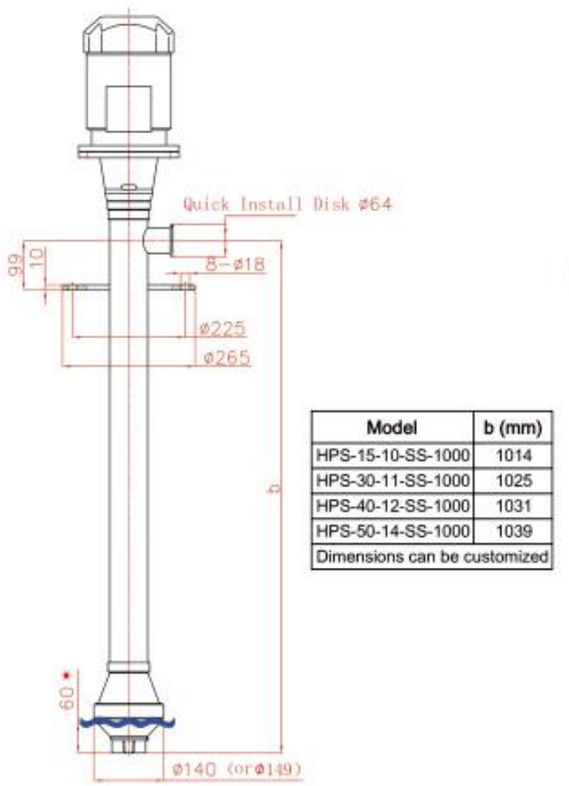
Features:

- Pharmaceutical plants: E.g. strong oxidant liquids, leaching liquids. The motor is usually above the liquid level, and pump body below the liquid level,. The pump body is mostly made of engineering plastics or fluoroplastics.
- Desalination manufacturing plant: Seawater is erosive, if use submersible pumps or submersible sewage pumps, their cable lines are soaked under the liquid constantly, will also gradually corrode by diazotization reaction, and the safety performance becomes not high. With submersible pumps, the difficulty of having the motor and cable under the liquid is avoided.
- Urban sewage treatment plant discharge systems: Sewage discharge from underground, basement, human defense system drainage stations, hospitals, hotels, high-rise buildings.
- Plating and pickling industry: Circulation and transport of plating pickling solution, tank cleaning of plating tanks.
- Water treatment and environmental protection industry: All kinds of sewage with impurities can be transported.
- Rare earth non-ferrous metal wet smelting industry: Especially suitable for the transport of various acids, alkalis, corrosive slurries, electrolytes, waste acids, sewage from the wet smelting processing of lead, zinc, gold, silver, copper, manganese, cobalt, rare earth and other wet smelting.
- Pesticides, dyestuffs, fine chemical industry: Can transport clear liquids containing dilute acids, alkaline liquids, mixed acids.
- Sulphuric acid and phosphate fertilizer industry: transport of dilute acid, mother liquor, fluorosilicic acid with silica gel, phosphoric acid slurry and other media.

Technical ofcentrifugal immersion pumps

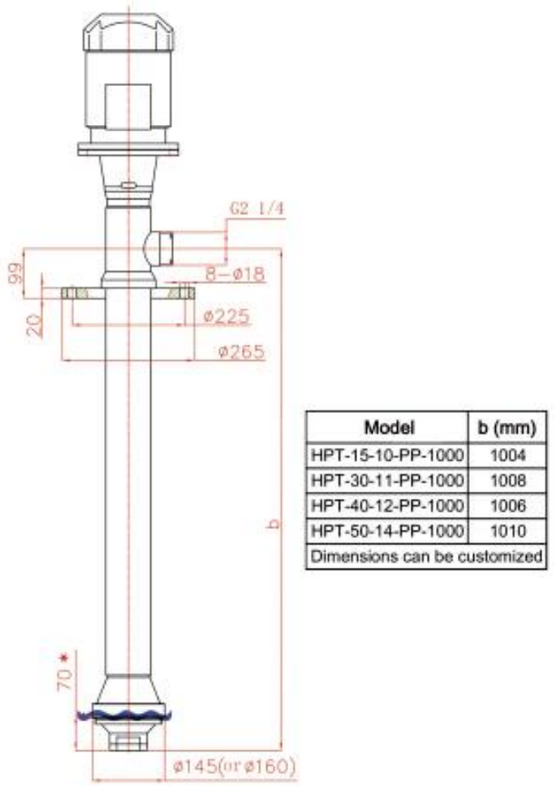
Modelitem	Flow Rate	Head	Immersion Depth	Power	Voltage	Pump Material	Outlet Dia	Max.Dia of pump line	Viscosity
	(Ton/Hr)	(M)	(M)	(KW)	(V)		(MM)	(MM)	(cps)
HP-15-10-PPTH-1000	15	10	1.0	1.1	220/380	PP	f38	145	1-2500
HP-15-10-PPTH-1015	15	10	1.5	1.1	220/380	PP	f38	145	1-2500
HP-15-10-PPTH-2000	15	10	2.0	1.1	220/380	PP	f38	145	1-2500
HP-15-10-PPTH-2500	15	10	2.5	1.1	220/380	PP	f38	145	1-2500
HP-30-11-PPTH-1000	30	11	1.0	1.5	220/380	PP	f45	145	1-2500
HP-30-11-PPTH-1500	30	11	1.5	1.5	220/380	PP	f45	145	1-2500
HP-30-11-PPTH-2000	30	11	2.0	1.5	220/380	PP	f45	145	1-2500
HP-30-11-PPTH-2500	30	11	2.5	1.5	220/380	PP	f45	145	1-2500
HP-40-12-PPTH-1000	40	12	1.0	2.2	380	PP	f50	160	1-2000
HP-40-12-PPTH-1500	40	12	1.5	2.2	380	PP	f50	160	1-2000
HP-40-12-PPTH-2000	40	12	2.0	2.2	380	PP	f50	160	1-2000
HP-40-12-PPTH-2500	40	12	2.5	2.2	380	PP	f50	160	1-2000
HP-50-14-PPTH-1000	50	14	1.0	3	380	PP	f50	160	1-1200
HP-50-14-PPTH-1500	50	14	1.5	3	380	PP	f50	160	1-1200
HP-50-14-PPTH-2000	50	14	2.0	3	380	PP	f50	160	1-1200
HP-50-14-PPTH-2500	50	14	2.5	3	380	PP	f50	160	1-1200

Dimensional Drawing and Performance Curve



Model	b (mm)
HPS-15-10-SS-1000	1014
HPS-30-11-SS-1000	1025
HPS-40-12-SS-1000	1031
HPS-50-14-SS-1000	1039
Dimensions can be customized	

HPS

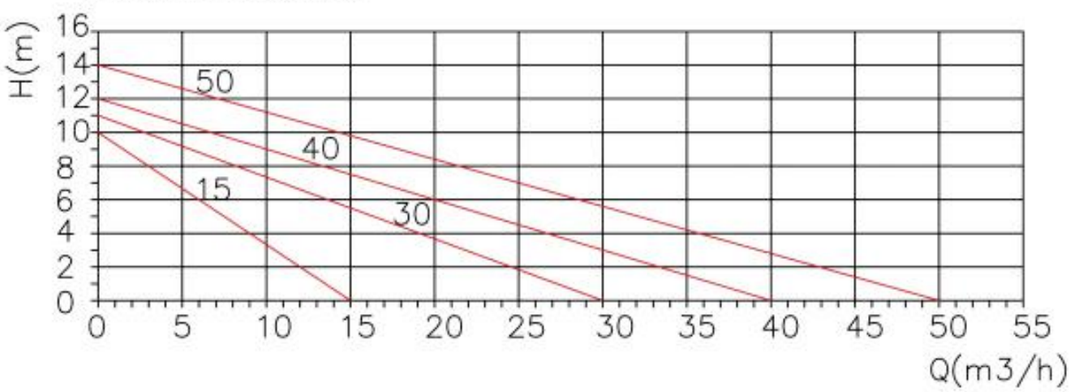


Model	b (mm)
HPT-15-10-PP-1000	1004
HPT-30-11-PP-1000	1008
HPT-40-12-PP-1000	1006
HPT-50-14-PP-1000	1010
Dimensions can be customized	

HPT

Minimum level baseline : Do not run below minimum level

Performance Curve



Accessories & Application Example



Lifting bracket



Outlet hose connections



Outlet flange connection



Mounting flange

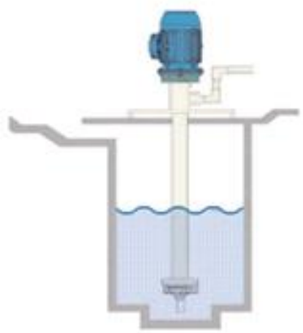


Connecting cable

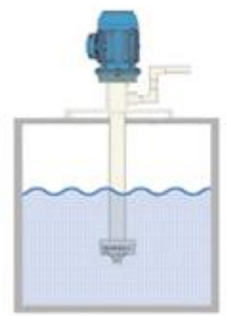


Foot filter

Application Example



Sump discharge



Media tank discharge

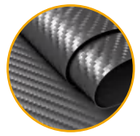
APPLICATION FIELD


Power Plant


Textile Industry


Petrochemical


Electronic semiconductor


Composites


Paint


Cosmetic industry


Water Treatment


Biopharmaceutical


Electroplating industry


Paper Industry


metallurgy

Power plant	Ammonia, scale inhibitor	**Petrochemical**	Crude oil, acids, alkalis, organic solvents
Electronic semiconductor	Solvents, electroplating solutions, cleaning solutions, corrosive acids	**Composites**	Organic solvents, ammonia, flame retardants, catalysts
Paint	Resin, solvent, colorant, acrylic	**Cosmetic industry**	Detergents, shampoos, lotions, surfactants
Water Treatment	Pharmaceuticals, waste water, sodium hypochlorite	**Biopharmaceutical**	Solvents, acid, alkali
Electroplating industry	Strong acids and alkaline liquids, waste water	**Metallurgy**	Surface pickling, cleaning agents
Textile industry	Dye chemicals, resins, hydroxides, rubber emulsions	**Machinery manufacturing**	Lubricants, hydraulic fluids, diesel, gasoline, cutting fluids, rust inhibitors
Paper industry	Paints, inks, hydrogen peroxide, strong corrosive acids		

Selecetion of Parameters

Customer code _____ Adress _____

Company _____ Phone _____

Name _____ Fax _____

Department _____ E-Mail _____

1.Which pump ☐ Drum pump ☐ Screw pump Output hose connection _____ Diameter

2.The medium ☐ Hose connection ☐ Threaded union ☐ Flange connection

Name _____ Working frequency _____ X

Applications _____ ☐ Continuously working ☐ Intermittent work

concentration _____ % Installation quantitative control ☐ Yes ☐ No

Whether explosive ☐ Yes ☐ No %

4.Drive motor ☐ Single-phase ☐ Three Phase ☐ Air motor

Density _____

Viscosity _____ CPs at℃ Operating voltage _____ V

The medium Temperature _____ ℃ Frequency _____ Hz

Ambient temperature _____ ℃ Air pressure _____ bar

Solid content ☐ Yes ☐ No _____ g/L ☐ Hard ☐ Soft

The medium status ☐ fluidity ☐ Thixotropic ☐ Viscous ☐ Solidify

3.Operating Conditions

Flow ____ l/min or ____ m³/h

Pressure _____ bar

Insertion depth _____ mm

Caliber barrel _____ mm

5.Your request

Please describe in your employ or write your comment

_____

_____

_____

_____

_____

_____

_____