

High Performance Drum Pumps



HD/SB SERIES DRUM PUMP

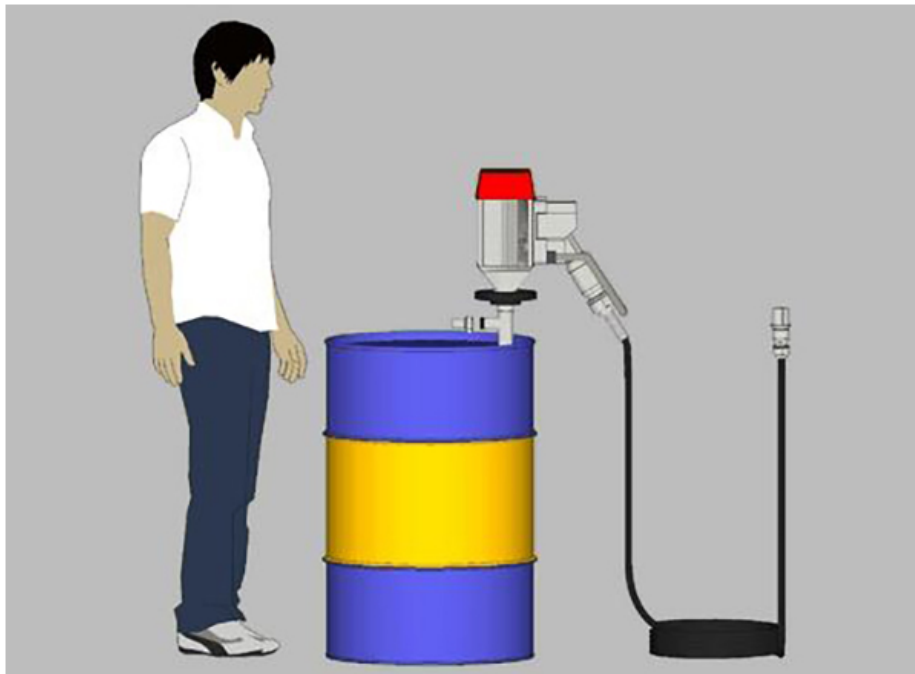
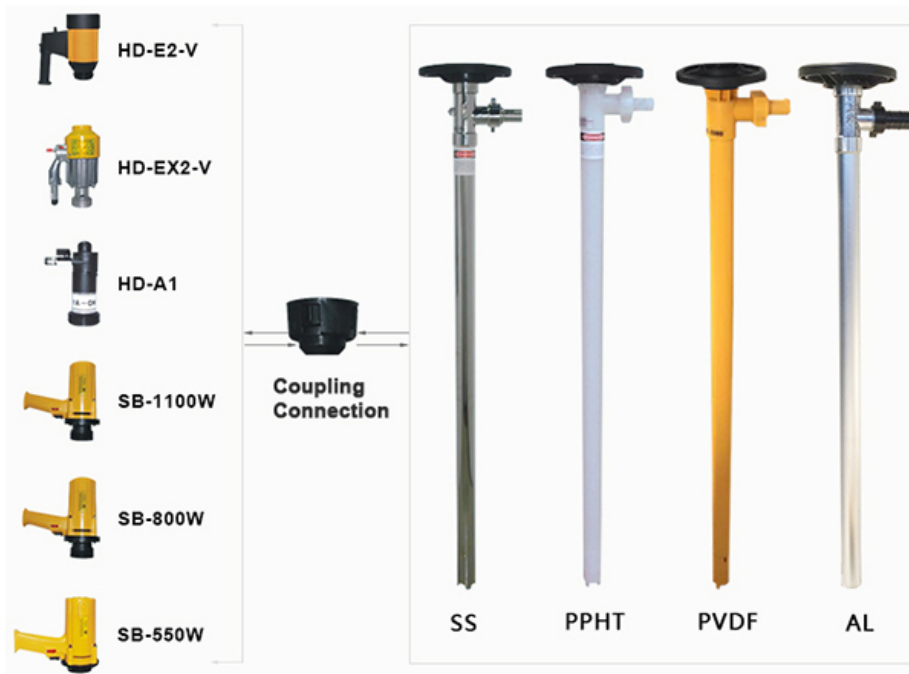
Contact: +966138383018 info@fstarabia.com Visit our website: www.fstarabia.com

INTRODUCTION

Drum Pumps of barrel pumps are pumps used to transfer contents from drums to tanks or other containers. Depending on the service medium the inserting tube can be selected. Aluminium Alloy, Stainless steel, PP,RPP,PVDF, PTFE materials maybe selected based on application.

Driving motor can be single phase or Ex-proof or no bush motor and high speed motor. It is handy and easy to use, low maintenance and high efficiency.

Common uses are to transfer acids, petrochemical liquids, water treatment chemicals, gas, oil, kerosene, diesel and some low viscosity fluids in refinery, food and bevarages, marine and pharmaceutical applications.



Pump Performance

Max. temperature	100°C(212°F)	
Max. viscosity	1200CPS	
Max. power	1.1KW(1100W)	
Max. speed	12000r/min	
Max. flow rate	165L/min	
Max. head	28m	
Pump tube length	700mm(27"), 1000mm(39"), 1200mm(47"), 1500mm(60")	
Pump tube material	PPHT - Polypropylene	Acid and alkaline substances, like acetic acid, ammonium, sodium hydroxide.
	PVDF - Polyvinylidene Fluoride PVDF	Highly corrosive and toxic substances, like hydrofluoric acid, sulfuric acid, nitric acid, sodium hypochlorite
	SS - Stainless Steel 304 or Stainless Steel 316L	Flammable or inflammable substances: diesel oil, gasoline, all kinds of oil, inhibiting agents and alcohol.
	AL - Aluminum Alloy	Weakly corrosive sewage, diesel oil, low-viscosity oil and lubricating oil.

Motor Performance

Motor Model	Type	Voltage	Speed	Frequency	Power
HD-E2-V	Variable speed control motor	220V	0-10000r/min	50-60Hz	800W
HD-EX2-V(SB-3)	Explosion-proof motor	220V	12000r/min	50-60Hz	880W
HD-A1	Air motor		0-10000r/min	3-7bar	375W
SB-1100W	High-speed motor	220V	10000r/min	50-60Hz	1100W
SB-880W	High-speed motor	220V	10000r/min	50-60Hz	880W
SB-550W	High-speed motor	220V	8000r/min	50-60Hz	550W

Application and Selection of Drum Pumps

Pump Material	Max Temp	Application
PPHT (Fiber glass reinforced PP)	80°C/175°F	Acid and Alkaline substances like acetic acid, ammonium, iron chloride, fluosilicic acid, hydroxide, disinfectors, phosphoric acid (45%), nitric acid (20%), sodium hydroxide, sulfuric acid (75%), bleaching water and other similar substances.
PVDF	100°C/212°F	Highly corrosive and toxic substances like hydrofluoric acid (concentration COLD) concentrated propylhomoserin, propanoic acid, stearic acid, sulfuric acid and other solutions.
PTFE	110°C/230°F	Any concentration of sulphuric acid, hydrochloric acid, phosphoric acid, hydrofluoric acid, sodium hydroxide, potassium hydroxide, chromic acid, aqua regia, methanoic acid, acetic acid, propanoic acid, butyric acid, nitric acid, etane, benzene, alcohol, ether, acetone, cyclohexanone eaters and vinyl fluoride
SS304	100°C/212°F	Flammable or inflammable substances, diesel, gasoline, all kinds of inhibiting agents, (interfacial active agents) and alcohol
SS316L	100°C/212°F	Flammable or inflammable substances, diesel, gasoline, all kinds of inhibiting agents, (interfacial active agents) and alcohol. All kinds of food and bevarages, medicine and high purity light duty fluids.
AL	100°C/212°F	Weak corossive sewage, diesel, low viscosity oil and lubricating oil.