

# “HV” HIGH VISCOSITY DRUM PUMP



**JAPAN QUALITY**

## Applications




## Benefits

1. High Viscosity : Up to 100,000 CPS.
2. Long life-cycle : SS316L Pump casing, SS316 or Hastelloy shaft.
3. Sanitary standard : Silicone stator, Tetrafluoro PTFE stator are available for sanitary applications.
4. Reasonable price.
5. Low cost to repair.

Working principle:	Single Screw, Progressive Cavity
Maximum viscosity:	100000 CPS
Tube material:	Stainless steel 316
Rotor material:	Stainless steel 316
Stator material:	NBR , Teflon Or Silicon Rubber
Max. permissible fluid temperature:	100°C(212°F)
Voltage/frequency	110V~240/50Hz or 60Hz/Single Phase 220V~440/50Hz or 60Hz/Three Phase
Maximum pressure /Head :	6 Bar/3m
Flow rate range:	0~60 L/min (0~15.9US.GPM)
Inlet/outlet caliber:	2"(Inlet)/1"(Outlet)
Main applications:	High Viscosity Food, Chemical, Slurry, Cosmetics, ect.

# “HV” HIGH VISCOSITY DRUM PUMP


**Parameter Table of Fixed Speed Model**

Model	Capacity (L/min)	Pressure (Bar)	Phase	Power (W)	Speed (r/min)	Viscosity CPS	Caliber (mm)		Pump Tube Length(mm)	Material		Picture
							Inlet	Outlet		Pump Tube	Stator	
HV-550W-2-1000	60	6	1/3	550	900	0~25000	51 (2")	25 (1")	1000	SS316	NBR Rubber or Teflon or Silicon Rubber	
HV-550W-4-1000	38	6	1/3			0~50000			1000			
HV-550W-2-1200	60	6	1/3			0~25000			1200			
HV-550W-4-1200	38	6	1/3			0~50000			1200			
HV-750W-3-1000	60	6	3	750	900	0~35000	51 (2")	25 (1")	1000	SS316	NBR Rubber or Teflon or Silicon Rubber	
HV-750W-5-1000	38	6	3			0~70000			1000			
HV-750W-3-1200	60	6	3			0~35000			1200			
HV-750W-5-1200	38	6	3			0~70000			1200			
HV-1100W-4-1000	60	6	3	1100	900	0~50000	51 (2")	25 (1")	1000	SS316	NBR Rubber or Teflon or Silicon Rubber	
HV-1100W-6-1000	38	6	3			0~100000			1000			
HV-1100W-4-1200	60	6	3			0~50000			1200			
HV-1100W-6-1200	38	6	3			0~100000			1200			

- ☆ The pump is equipped with a fixed ratio motor. Its flow rate is fixed.
- ☆ For continuously working.
- ☆ The length of the plug cable is 5 meters.
- ☆ Various motors: 1 Phase: 110V, 115V, 120V, 220V, 240V→60Hz or 50Hz



**Parameter Table of Adjustable Speed Model (Intermittent duty use only)**

Model	Capacity (L/min)	Pressure (Bar)	Phase	Power (W)	Speed (r/min)	Viscosity CPS	Caliber (mm)		Pump Tube Length(mm)	Material		Picture
							Inlet	Outlet		Pump Tube	Stator	
HV-EV-1-1000	0~45	6	1	825	0-625	0~10000	51 (2")	25 (1")	1000	SS316	NBR Rubber or Teflon or Silicon Rubber	
HV-EV-2-1000	0~26	6	1			0~25000			1000			
HV-EV-1-1200	0~45	6	1			0~10000			1200			
HV-EV-2-1200	0~26	6	1			0~25000			1200			


- ☆ The pump can be equipped the adjustable speed motor. It can adjust the flow of the pump.
- ☆ The length of the plug cable is 5 meters.
- ☆ Various motors: 1 Phase: 110V, 115V, 120V, 220V, 240V→60Hz or 50Hz





# “HV-A” PNEUMATIC DRUM PUMP

Parameter Table of Pneumatic Model

Product Name	Model	Capacity (L/min)	Pressure (Bar)	Power (W)	Speed (r/min)	Length of Pump Tube (mm)	Diameter of Pump Tube (mm)	Outlet (mm)	Max. tem. (°C)	Max. Viscosity (CPS)	Material		Picture
											Pump Tube	Stator	
Pneumatic High-Viscosity Drum Pump	HV-A-3-1000	41	6	560	650	1000	51	32	80	35000	SS316	NBR Rubber or Teflon	
	HV-A-5-1000	26	6	560	650	1000	51	32	80	70000			
	HV-A-3-1200	41	6	560	650	1200	51	32	80	35000			
	HV-A-5-1200	26	6	560	650	1200	51	32	80	70000			

## Applications

High viscosity fluids up to 70000cps.



## Explosion proof

HV-A Pneumatic screw drum pump is powerful pump with wholly new design for high viscosity up to 70000cps. The unique progressive cavity structure consisted of stainless steel screw rotor and rubber stator helps to pump high density and high viscosity fluids. The rubber stator can be silicone rubber for sanitary application.