





PUMP SERIES

Special design for easy repair and quick change of spare parts without any special tool.

PTFE guide sleeve and PVDF impeller with abrasion resistant and to make shaft running more stable. Shaft bushing is made of Rulon® for best chemical resistance. PPHT · PVDF · SUS316 tube available with drive shaft made of SUS316 or Hastelloy®. It's the best choice for transferring chemical fluid.

INDUSTRY SERVED

Electronic · Optoelectronics · Semi-conductor . Waste water . Chemical industry · Petrochemical · Laboratory · Food industry · Cosmetic Biochemistry . Paper making industry . Painting industry . Pharmaceutical . Ship industry . Automotive and other industries.



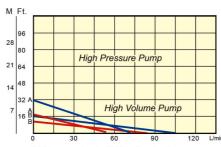
APPLICATION		
Container Type	Model	Length
5GAL Bottles	DP-Material 700	700mm (27")
55GAL Drums (200L)	DP-Material 1000	1000mm (39")
Barrels & Tanks	DP-Material 1200	1200mm (47")
IBC'S	DP-Material 1500	1500mm (60")
Large Storage Vessels	DP-Material 1800	1800mm (72")

COMMON APPLICATIONS				
Material	Max. Temp.	Common Applications		
PPHT (Polypropylene)	80°C/175°F	Acetic AcidSulfuric AcidHydrochloric - 20%	Nitric Acid - 20%AlkaliesFerric Chloride	
PVDF	60°C/140°F* (Recommended Temp)	Concentrated Nitric AcidSulfuric Acid-66 BaumeSodium Hypochlorite	 Propionic Acid Stearic Acid Hydrofluoric Acid	
SUS / AL	100°C/212°F	 Alcohol Gasoline Lubricants	Isopropyl EtherSolventsPetroleum Products	

⚠ For safety, it's recommended to connect ground wire when pumping flammable or solvent liquids.

AIR MOTOR & VARIABLE SPEED CONTROL MOTOR





A: High pressure impeller B: High volume impeller 4bar

Test conditions

- A: With DP-SS1000-HP tube. B: With DP-SS1000 tube. Pump tested in 25°C water, 500 L drum, with 1" outlet. Performance curves may vary ±10% based on applications Max. head is obtained by closing outlet.

Please install the air filter for reduce moisture from the compressed air supply.



DP-A1 AIR MOTOR

Max. Inlet Air Pressure: 87psi(6bar)

Air Consumption: 0.55Nm3/min@6kg/cm2

Joint (air): 1/4" NPT

Accessories: Muffler . Air Regulator

Casing: Aluminum (Epoxy)

Max. Viscosity: 700cps

RPM: 7,500 (3bar Air Pressure) RPM: 18,000 (6bar Air Pressure)

Horsepower: 420w (0.56HP)

Weight: 1 kg

VARIABLE SPEED CONTROL MOTOR

DP-E2-V 220 V/ 1 Ø / 50-60 Hz/ 485 W

Max. Viscosity: 1,000cps

Max. RPM: 20,000rpm (NO-LOAD)

Overheated Protector

Safety Handling Switch

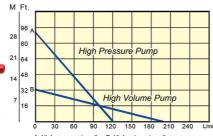
Casing use fireproof material

5m SJT Electronic Wire & Plug Included

Protection: IP44

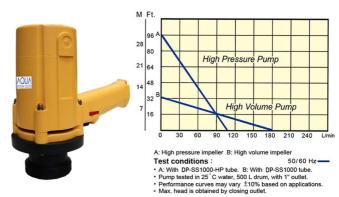
Weight: 3 kg





A: High pressure impeller B: High volume impeller Test conditions:

- A: With DP-SS1000-HP tube. B: With DP-SS1000 tube. Pump tested in 25 °C water, 500 L drum, with 1" outlet. Performance curves may vary ±10% based on applications. Max. head is obtained by closing outlet.



NOT suitable for pumping flammable or combustible liquid

EXPLOSION PROOF MOTOR

DP-SB-3 220 V/ 1 Ø / 50-60 Hz/ 880 W

Max. Viscosity: 500 cps (800 cps for HP-version)

Max. RPM: 12,000 rpm (NO-LOAD)

Safety & Ergonomic Design

Explosion Proof Class: d II B T4

Totally Enclosed Aluminum Alloy Casing

3m SJT Electronic Wire

Protection: IP55

Weight: 4.4 kg

FIXED SPEED MOTOR

DP-B-110 220 V/ 1 Ø / 50-60 Hz/ 1100 W

Max. Viscosity: 500 cps (800 cps for HP-version)

Max. RPM: 10,000 rpm (NO-LOAD)

Safety & Ergonomic Design

Insulation Class E

Polycarbonate Casing Material

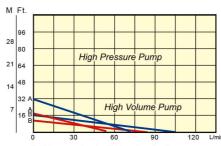
3m SJT Electronic Wire

Protection: IP20

Weight: 3.38 kg

AIR MOTOR & VARIABLE SPEED CONTROL MOTOR





A: High pressure impeller B: High volume impeller 4bar

Test conditions

- A: With DP-SS1000-HP tube. B: With DP-SS1000 tube. Pump tested in 25°C water, 500 L drum, with 1" outlet. Performance curves may vary ±10% based on applications Max. head is obtained by closing outlet.

Please install the air filter for reduce moisture from the compressed air supply.



DP-A1 AIR MOTOR

Max. Inlet Air Pressure: 87psi(6bar)

Air Consumption: 0.55Nm3/min@6kg/cm2

Joint (air): 1/4" NPT

Accessories: Muffler . Air Regulator

Casing: Aluminum (Epoxy)

Max. Viscosity: 700cps

RPM: 7,500 (3bar Air Pressure) RPM: 18,000 (6bar Air Pressure)

Horsepower: 420w (0.56HP)

Weight: 1 kg

VARIABLE SPEED CONTROL MOTOR

DP-E2-V 220 V/ 1 Ø / 50-60 Hz/ 485 W

Max. Viscosity: 1,000cps

Max. RPM: 20,000rpm (NO-LOAD)

Overheated Protector

Safety Handling Switch

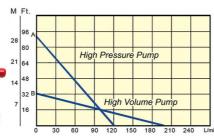
Casing use fireproof material

5m SJT Electronic Wire & Plug Included

Protection: IP44

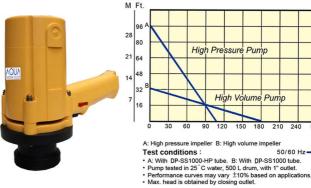
Weight: 3 kg





A: High pressure impeller B: High volume impeller Test conditions:

- A: With DP-SS1000-HP tube. B: With DP-SS1000 tube. Pump tested in 25 °C water, 500 L drum, with 1" outlet. Performance curves may vary ±10% based on applications. Max. head is obtained by closing outlet.



NOT suitable for pumping flammable or combustible liquid

EXPLOSION PROOF MOTOR

DP-SB-3 220 V/ 1 Ø / 50-60 Hz/ 880 W

Max. Viscosity: 500 cps (800 cps for HP-version)

Max. RPM: 12,000 rpm (NO-LOAD)

Safety & Ergonomic Design

Explosion Proof Class: d II B T4

Totally Enclosed Aluminum Alloy Casing

3m SJT Electronic Wire

Protection: IP55 Weight: 4.4 kg



FIXED SPEED MOTOR

DP-B-110 220 V/ 1 Ø / 50-60 Hz/ 1100 W

Max. Viscosity: 500 cps (800 cps for HP-version)

Max. RPM: 10,000 rpm (NO-LOAD)

Safety & Ergonomic Design

Insulation Class E

Polycarbonate Casing Material

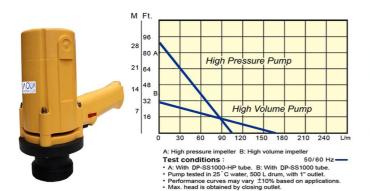
3m SJT Electronic Wire

Protection: IP20

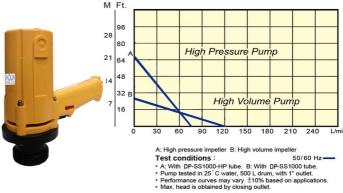
Weight: 3.38 kg



AIR MOTOR & VARIABLE SPEED CONTROL MOTOR



NOT suitable for pumping flammable or combustible liquid



NOT suitable for pumping flammable or combustible liquid

FIXED SPEED MOTOR

DP-B-88 220 V/ 1 Ø / 50-60 Hz/ 880 W

Max. Viscosity: 500 cps (800 cps for HP-version)

Max. RPM: 10,000 rpm (NO-LOAD)

Safety & Ergonomic Design

Insulation Class E

Polycarbonate Casing Material

3m SJT Electronic Wire

Protection: IP20 Weight: 3.3 kg

FIXED SPEED MOTOR

220 V/ 1 Ø / 50-60 Hz/ 550 W **DP-B-55**

500 cps (800 cps for HP-version) Max. Viscosity:

8,000 rpm (NO-LOAD) Max. RPM:

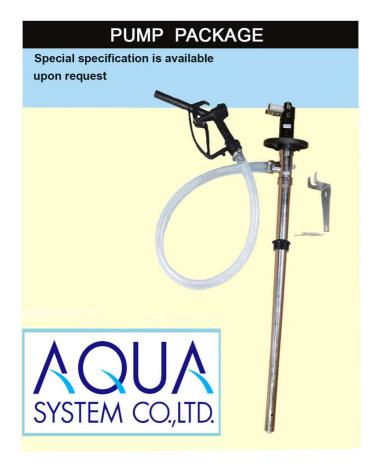
Safety & Ergonomic Design

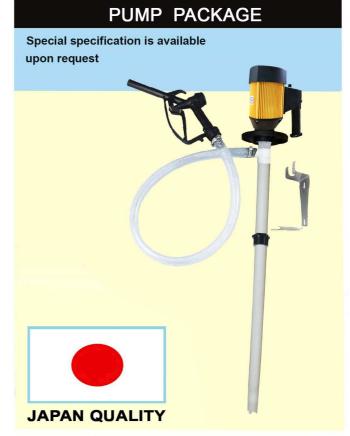
Insulation Class E

Polycarbonate Casing Material

3m SJT Electronic Wire

Protection: IP20 Weight: 2.3 kg





DP-Series Drum Pump





