

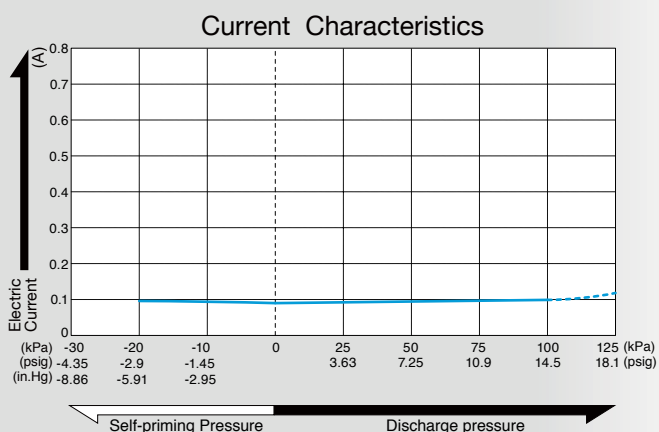
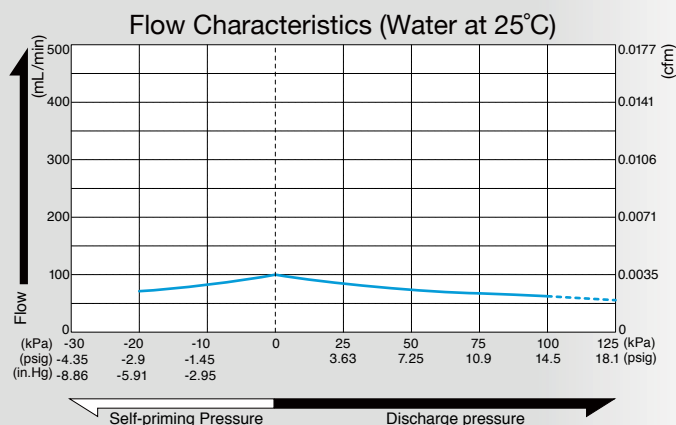
DC Liquid Pump

Model **DPE-100**

Brush DC Motor 24 V DC



Flow & Electric Current



Specifications

Rated Voltage	24 V DC
Flow Rate *1	100 mL/min 0.0035 cfm
Working Pressure Range	0 to 100 kPa 0 to 1 bar 0 to 14.2 psig
Maximum Pressure *2	300 kPa 3 bar 42.7 psig
Maxumu Current	100 mA
Duty Cycle	Continuous
Rated Performance (MTTF) *2	500 hours
Self-priming Pressure *1	20 kPa 0.2 bar 2.84 psig
Inlet	4.7 mm O.D. straight barb
Outlet	4.7 mm O.D. straight barb
Insulation Classification	E class equivalent
Mounting Dimensions	9.5 (L) x 17 (W) mm 3/8" (L) x 43/64" (W)
Weight	67 g 0.148 Lbs
Motor	Brush DC Motor

*1. When the check valve is hardened due to low liquid temperature, self-priming performance and flow rate will go down.
*2. Restarting pumps with flow passage closed is impossible.
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

Build materials and applicable fluids

Model	Cylinder Head	Head Cover	Diaphragm	Valve	O-ring	Applicable fluids
DPE-400-2E	PA Polyamide(Nylon)		PTFE	EPDM	EPDM	Sodium hydroxide, Citric acid Ammonia water, Caustic potash
DPE-400-2G				Ethylene-propylene rubber		Ethanol, Ethylene glycol Sodium carbonate, mineral oil
DPE-400-7G	PPS		Polytetrafluoroethylene	FKM	FKM	Xylene, Carbon tetrachloride Trichloroethylene, Silicon oils
DPE-400-7P	Polyphenylene sulfide			Perfluoroelastomer		Chloroform, Benzene Glacial acetic acid, Methyl ethyl ketone

Application Examples

- Liquid analytical instruments e.g. medical, food, water treatment & environmental.
- Liquid transport within filtration, sampling, sterilizers and washers.
- Ink transport within industrial ink-jet printers.

Dimensional Outline Drawing (Unit: mm)

