

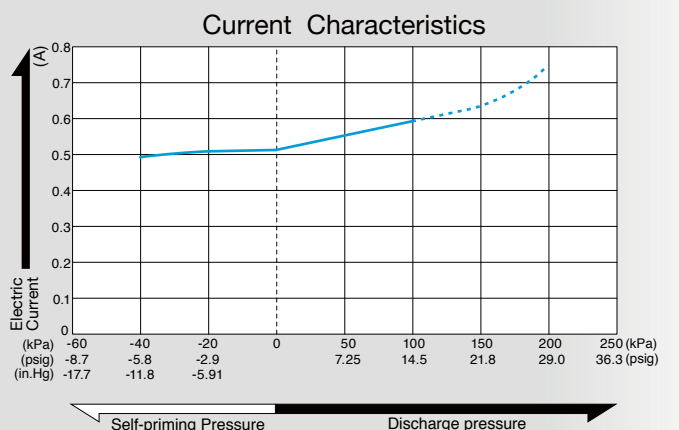
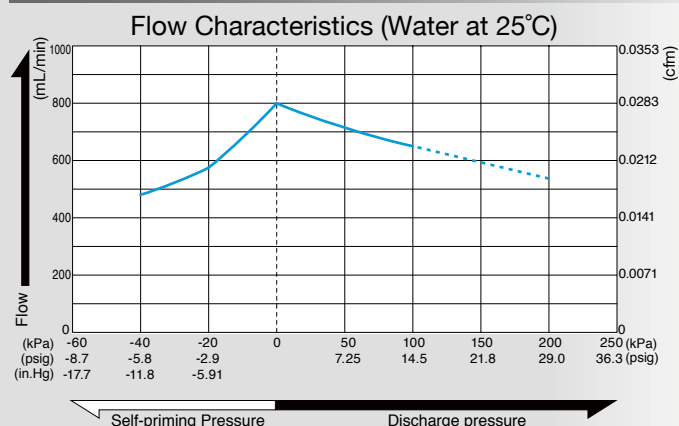
DC Liquid Pump

Model **DPE-800**

Brush DC Motor 24 V DC



Flow & Electric Current



Specifications

Rated Voltage	24 V DC
Flow Rate *1	800 mL/min 0.0283 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	600 mA
Duty Cycle	Continuous
Rated Performance (MTTF)	600 hours
Self-priming Pressure	40 kPa 0.4 bar 5.69 psig
Inlet	5.4 mm O.D. straight barb
Outlet	5.4 mm O.D. straight barb
Insulation Classification	E class equivalent
Mounting Dimensions	74.5 (L) x 41 (W) mm 2-15/16"(L) x 1-39/64"(W)
Weight	350 g 0.771 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.
 *3. Tubing between two pumping heads must be done in parallel.
 Tubing in series between the two pumping heads should not be made. This may cause extreme pressure hike that will result in broken parts, liquid splash out or possible ignition.
 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-800-2E	PA Polyamide(Nylon)		PTFE Polytetrafluoroethylene	EPDM Ethylene-propylene rubber		Sodium hydroxide, Citric acid Ammonia water, Caustic potash
DPE-800-2G				FKM Fuluro rubber		Ethanol, Ethylene glycol Sodium carbonate, mineral oil
DPE-800-7G	PPS Polyphenylene sulfide		PTFE Polytetrafluoroethylene	FFKM Perfluoroelastomer		Ethanol, Ethylene glycol Sodium carbonate, mineral oil Trichloroethylene, Silicon oils
DPE-800-7P						

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)

