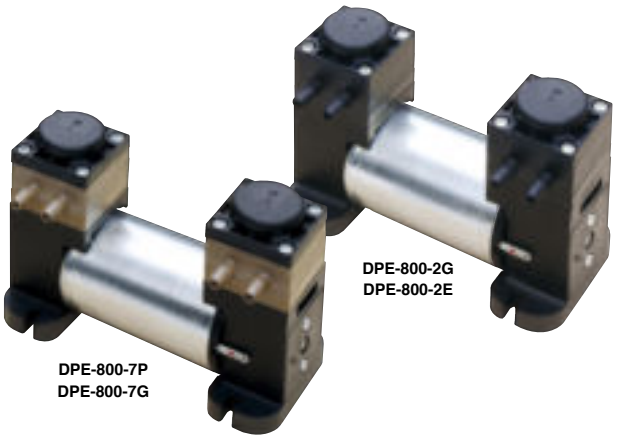
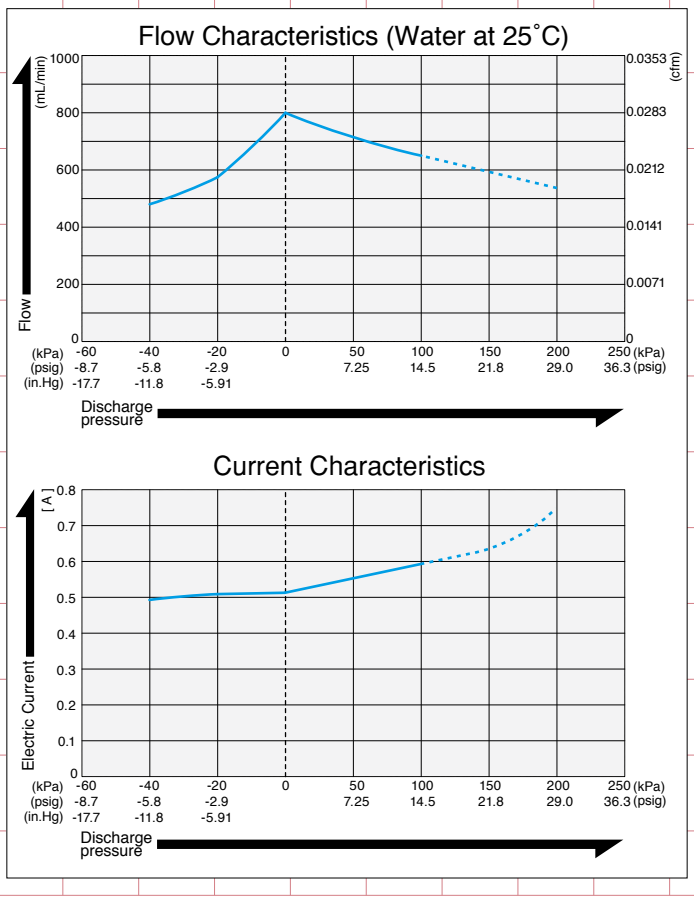
DC LIQUID PUMP

DIAPHRAGM PUMP

DPE-800



Flow & Electric Current



Specifications

	(SI)	(EURO)	(U.S.A.)
Rated Voltage	24 V DC		
Flow Rate ※1, ※3	800 mL/min		0.0282 cfm
Working Pressure Range	0 - 100 kPa	0 - 1 bar	0 - 14.5 psig
Maximum Pressure ※2	300 kPa	3 bar	43.5 psig
Maximum Current	600 mA		
Rated Operating Time	Continuous		
Life Expectancy (MTTF)	600 hours		
Self-priming Pressure ※1	40 kPa		
Inlet & Outlet	5.4 mm O.D. straight nipple		
Insulation Classification	E class equivalent		
Mounting Dimensions	74.5 mm(L) x 41 mm(W)		$2\text{-}^{15}/_{16}$"(L) x $1\text{-}^{19}/_{32}$"(W)
Gross Weight	350 g		0.771 Lbs.
Motor	DC Brush 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 Fuluoro rubber		Ethanol, Ethylene glycol Sodium carbonate, mineral oil
DPE-800-7G	PPS Polyphenylene sulfide					Xylene, Carbon tetrachloride Trichloroethylene, Silicon oils
DPE-800-7P				FFKM Perfluoroelastomer		Chloroform, Benzene Glacial acetic acid, Methyl ethyl ketone

The chemicals shown are for reference only. Please confirm suitability of materials in each application.

Applications

- 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.

Sketch Drawing and Mounting Dimensions Diagram (mm)