

# DC LIQUID PUMP

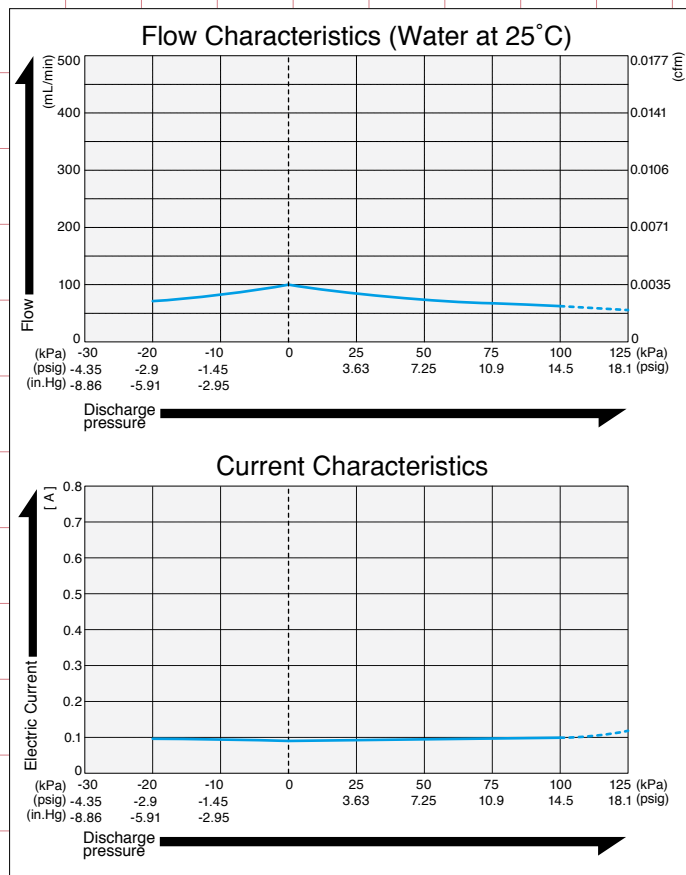


## DIAPHRAGM PUMP

# DPE-100



### Flow & Electric Current



### Specifications

	(SI)	(EURO)	(U.S.A.)
Rated Voltage	24 V DC		
Flow Rate ※ 1	100 mL/min		0.0035 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	100 mA		
Rated Operating Time	Continuous		
Life Expectancy (MTTF)	500 hours		
Self-priming Pressure ※ 1	20 kPa		
Inlet & Outlet	4.7 mm O.D. straight nipple		
Insulation Classification	E class equivalent		
Mounting Dimensions	9.5 mm(L) x 17 mm(W)	<sup>3</sup> / <sub>16</sub> "(L) x <sup>4</sup> / <sub>16</sub> "(W)	
Gross Weight	67 g		0.148 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.  
 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-100-2E	PA Polyamide(Nylon)	PTFE	Polytetrafluoroethylene	EPDM Ethylene-propylene rubber	FKM Fuluro rubber	Sodium hydroxide, Citric acid Ammonia water, Caustic potash
DPE-100-2G				FFKM Perfluoroelastomer		Ethanol, Ethylene glycol Sodium carbonate, mineral oil
DPE-100-7G	PPS Polyphenylene sulfide	PTFE	Polytetrafluoroethylene	FKM Fuluro rubber	FFKM Perfluoroelastomer	Xylene, Carbon tetrachloride Trichloroethylene, Silicon oils
DPE-100-7P						FFKM Perfluoroelastomer

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)

