

DC LIQUID PUMP

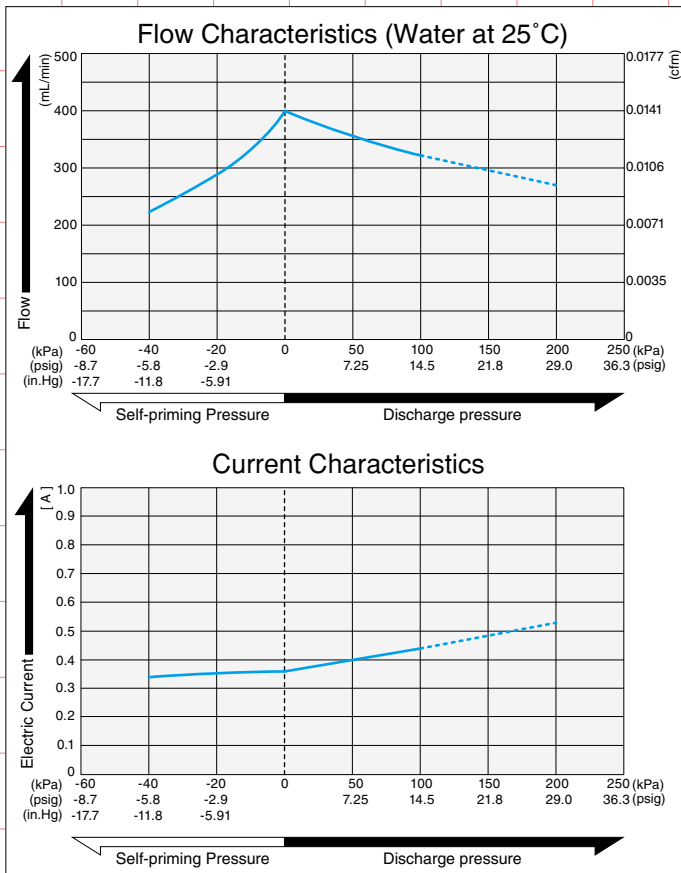
DPE-400BL

DIAPHRAGM PUMP



Flow & Electric Current

Specifications



	(SI)	(EURO)	(U.S.A.)
Rated Voltage	24 V DC		
Flow Rate *1	400 mL/min		0.0141 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 (Reference)	450 mA		
Rated Operating Time	Continuous		
Life Expectancy (MTTF) *3	5,000 hours		
Self-priming Pressure *1	40 kPa		
Inlet & Outlet	5.4 mm O.D. straight nipple		
Insulation Classification	A class equivalent		
Mounting Dimensions	41 mm(W)		1-19/32"(W)
Gross Weight	230 g		0.507 Lbs.
Motor	DC Brushless Motor		

*1: At low temperature, the performance may reduce.
 *2: Pumps may not re-start against high backpressure.
 *3: Life expectancy is based on the following conditions:
 Rated voltage: 24 V DC
 Atmospheric pressure: 0 kPa
 Fluid: water at 25°C
 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-400BL-2E	PA Polyamide(Nylon)	PA	PTFE Polytetrafluoroethylene	EPDM Ethylene-propylene rubber	EPDM	Sodium hydroxide, Citric acid Ammonia water, Caustic potash
DPE-400BL-2G				FKM Fuluro rubber	FKM	Ethanol, Ethylene glycol Sodium carbonate, mineral oil
DPE-400BL-7G	PPS Polyphenylene sulfide	PPS		FFKM Perfluoroelastomer	FFKM	Xylene, Carbon tetrachloride Trichloroethylene, Silicon oils
DPE-400BL-7P						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)

