

DC LIQUID PUMP

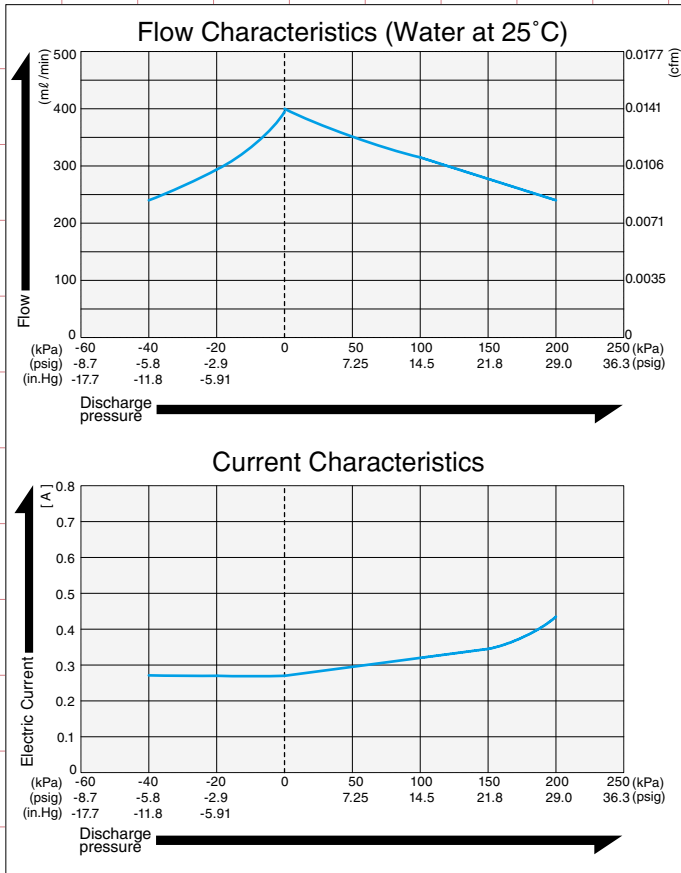
DPE-400

DIAPHRAGM PUMP



Flow & Electric Current

Specifications



	(SI)	(EURO)	(U.S.A.)
Rated Voltage	24 V DC		
Flow Rate	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	345 mA		
Rated Operating Time	Continuous		
Life Expectancy (MTTF)	500 hours		
Self-priming Pressure ※1	40 kPa		
Inlet & Outlet	5.4 mm O.D. straight nipple		
Insulation Classification	F class equivalent		
Mounting Dimensions	19 mm(L) x 26 mm(W)	3/4"(L) x 1-1/32"(W)	
Gross Weight	187 g		0.412 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-400-2E	PA Polyamide(Nylon)	PTFE Polytetrafluoroethylene	PTFE Polytetrafluoroethylene	EPDM Ethylene-propylene rubber	EPDM Ethylene-propylene rubber	Sodium hydroxide, Citric acid Ammonia water, Caustic potash
DPE-400-2G						FKM Fuluro rubber
DPE-400-7G	PPS Polyphenylene sulfide	PTFE Polytetrafluoroethylene	PTFE Polytetrafluoroethylene	FKM Fuluro rubber	FKM Fuluro rubber	Xylene, Carbon tetrachloride Trichloroethylene, Silicon oils
DPE-400-7P						FFKM Perfluoroelastomer

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)

