

NAMIKI

Series 5000 Miniature Diaphragm Liquid Pumps

Chemically Resistant, Vac. to 225 mm Hg, Pressure to 0.7 bar, Flow to 190 ml/min

DESCRIPTION

Series 5000 liquid diaphragm pumps are an excellent choice where chemical resistance, plastic wetted components, DC power operation and quiet, reliable performance are required. They are typically used on medical equipment, laboratory automated chemistry applications, environmental sampling equipment and a range of industrial applications such as pick-and-place operations, ink jet printer systems and food packaging equipment.



Series 5000 pumps incorporate a 12 V or 24 V Namiki coreless DC motor. The motor shaft incorporates an eccentric that is attached to the pump diaphragm. Two opposing floating discs with seats respond to the diaphragm motion resulting in pumping action.

The pumps are produced by Namiki Corporation, a world leader in DC motor production and technology.

SPECIFICATIONS

GENERAL

Ports: Hose nozzle (barb) for 3-4 mm I.D. tubing, 5 mm optional

Wetted Materials:

Pump Body: PFA

Diaphragm, Seal & Valve Material: FKM, *FKM Enhanced or PTFE-coated diaphragm, FFPM valves

*Proprietary fluoro elastomer for improved chemical resistance (use for Ammonia, Methanol & Toluene)

Non-Wetted Pump Housing Material: POM
 Ambient & Fluid Temperature Range: 0 to 50°C
 Maximum Flow Rate: 12 VDC, 180 ml/min; 24 VDC, 190 ml/min

Exhaust Pressure Range: 0 to 0.7 bar (10.1 PSI)

Suction Pressure Range: 0 to -225 mm Hg

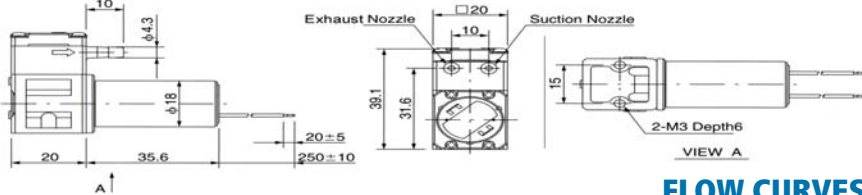
Motor: Namiki 12VDC or 24VDC Coreless

Brush Type: Graphite

Nominal Current Consumption: 12 Vdc, 190 mA; 24 VDC, 110 mA

Weight: 77g

DIMENSIONS (MM)



FLOW CURVES

ORDERING INFORMATION

ORDER NUMBER (SEE TABLE)

ABC

EXAMPLE: 5013

A Model	B Diaphragm, Valves & Seals	C Motor
50	1= FKM 3= FKM Enhanced 4= PTFE-Coated Diaphragm,	3= Coreless Motor 12V 4= Coreless Motor 24V

Above Order Combinations Typically Ship From Stock

Please call us to discuss any special wetted material requirements or additional requirements.

