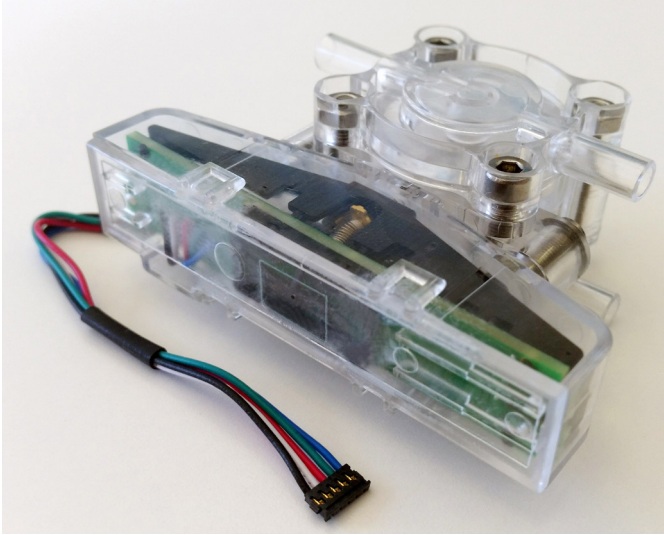
Smart On/Off medical valve

Find out more

Smart On/Off valves from Dolphin Fluidics are 2-way medium separated, normally closed, valves for dispensing and mixing.
Our valve is the smartest, cleanest, lightest, smallest and most efficient solution to control flow.
Each product can be fully customized according to application needs, in terms of interfaces, fluidics performance and electronic control.

Advantages:

- Air/liquid dispensing and mixing valve
- On/Off control
- Simple and light, 10 times lighter than existing valves
- Reliable sealing system with medium separation
- Low power actuator, 20 times less than existing valves
- Noiseless operation
- Patented design
- NSF/FDA material compliancy



MAIN APPLICATIONS

- Medical equipment
- Analytical and diagnostic

TECHNICAL INFORMATION

DFP.DSO.002.020



Pilot operated valve
Dual 2/2 NC
Medium separated valve
On/Off control
100% duty cycle and continuous duty
Liquid
Body materials: Polycarbonate ISO 10993
Seal materials : Silicone ISO 10993

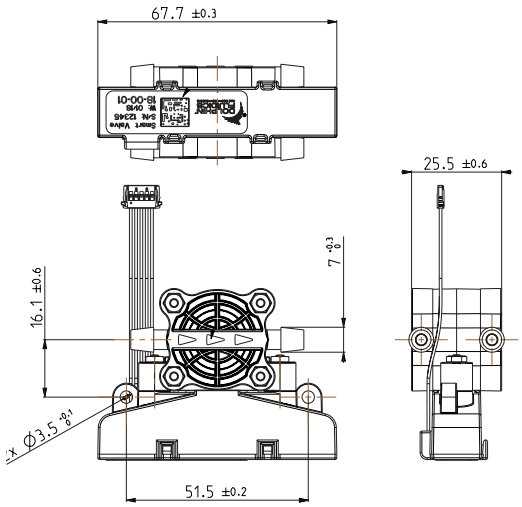
FLUIDIC PERFORMANCE

	DFP.DSO.002.020
Minimum ΔP	0.2 bar
Maximum ΔP	2 bar
Kv	0.27 m³h/bar
Orifice diameter	3,2 mm
Mounting details	Any direction
Fluid connections	Barbed (other upon request)
Fluid temperature	≤ 130°C
Environmental temperature	-10°C… +65°C

ACTUATOR CHARACTERISTICS

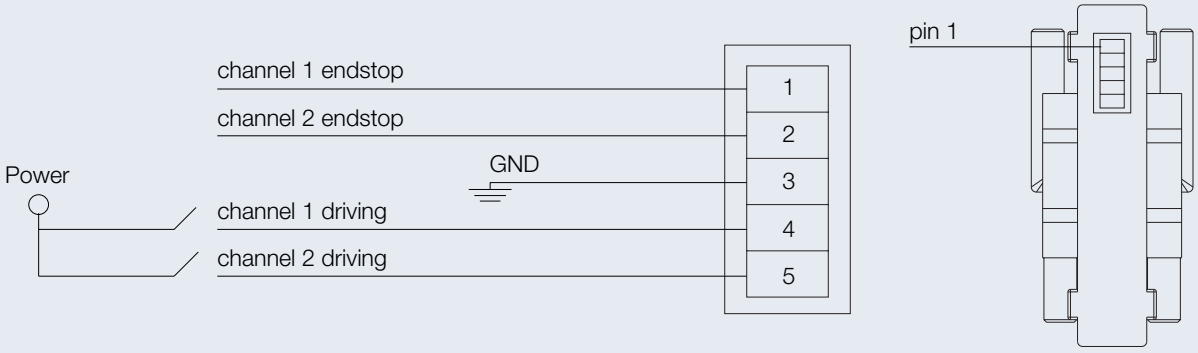
Operating voltage	2 - 5 VDC
Operating current	150 mA
Maximum current I_{MAX}	250 mA
Actuation power	0.3 - 0.6 W
Holding power	0.15 W
Rise time	150 ms
Expected life	Million cycles (depending on application)

DFP.DSO.002.020



Dimensions in mm [inches]

ACTUATOR PINOUT



Dolphin Fluidics reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

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