

FLUIKA™ Miniature Pneumatic Control Kit

Fluidics made easy

Introduction

FLUIKA Miniature Pneumatic Control Kit is intended for easy and fast development of pneumatic control systems in chemistry, microfluidic and mechatronics



Features

Miniature (~7 x 6 x 3 cm)

Easy to interface with pneumatic quick-fit connectors

Fully USB controlled and powered. No extra power supplies and cables

No extra pumps or pressure sources needed

Easy to control and program (.NET, LabView, MATLAB)

Low noise

Low cost

Specifications

Components of FLUIKA kit are:

Pressure Generator **PG500** (0 ... 500 mbar)

Vacuum Generator **VG500** (-350 ... 0 mbar)

Dual polarity Vacuum Pressure Generator **VPG3550** (-350 ... 500 mbar)

Valve Controller **VC4** (multiplexing four output channels between two input channels)

Controlling pressures in volumes 1...100 mL

Pressure accuracy: 5 mbar

Stability: 1% of full scale

Applications

Microfluidics (Pressure driven flow control, best flow stability compare to peristaltic and syringe pumps)

Perfusion systems and flow cells

Miniature robotics and actuators

Further questions? Interested in custom devices? Please ask us! info@sciencemosaic.com