

Press Release

Micropump for medical technology

Customer specified solutions by using modular design

From 16 to 18 November the two companies DNE GmbH, Schnaitenbach and 2E mechatronic GmbH, Kirchheim/Teck presented their latest development, a micropump for conveying liquids and gases, at the Compamed/Medica 2011 in Düsseldorf. The advantage of this development is the combination of the peristaltic principle with a cost-effective modular construction of diaphragm pumps.

Features of this joint development are for example:

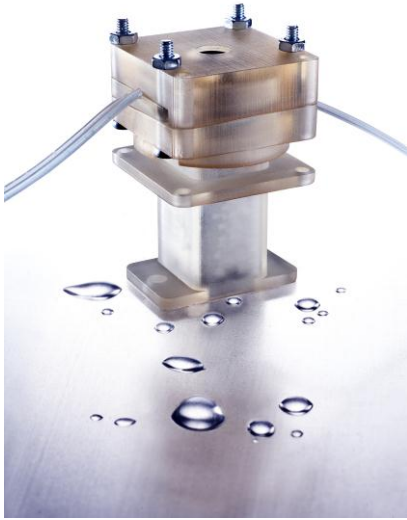
- bidirectional conveyance of the materials
- integrated flow stop
- exchangeable fluidic part
- single-digit target price (in Euro)

The minimum or maximum volumetric flow ratios are dependant on the type and size of the shaped hose being used. The same applies to the requirements regarding material resistance, the achievable intake pressure, the maximum pumping pressure and the long-term behaviour of the pump.

Based on the principle of these prototypes the pumps can be adapted to individual customer requirements as far as the application, the possibilities of installation and the design are concerned.

Possible applications of the micro pump in medical technology are:

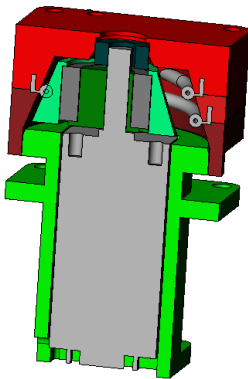
- laboratory technology
- analysis automats
- diagnostics
- lab-on-chip technology



micropump for conveying liquids and gases



modular design



profile of the micropump

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