

Press Release

Bartels Mikrotechnik at Hanover Fair 2008

!! press presentation !!: April 21st 2008, 2 pm

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mp6 doubles pressure

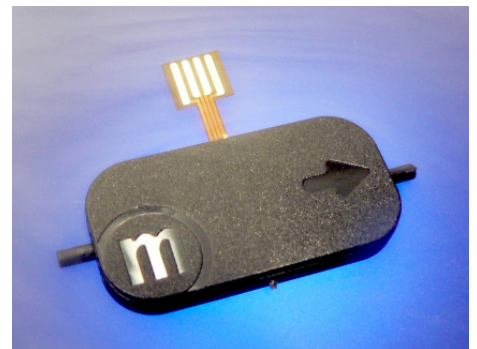
A powerful new member of the Bartels Mikrotechnik micropump family

The high potential of micropumps is being utilized by more and more sectors as diverse as household technologies and the automobile industry. As the requirements concerning the transport of liquids and gases vary from case to case, not every application can be realized using the same characteristics. With its latest generation of micropumps, the mp6, Bartels Mikrotechnik now provides a new set of possibilities for all users.

First introduced at the Hanover Fair 2008, the novel pump doubles the pressure of its predecessor mp5: Due to its double actuator system, the mp6 can handle backpressures of up to 500 mbar. Further significant improvements consist in an enhanced self-priming function and a higher bubble tolerance. A modified drive signal reduces the pumping sound to a minimum, even when the maximum flow rate of 5 ml per minute is reached. With its dimensions of only 37 x 15 x 3.5 mm³ including fluidic connectors, the mp6 is an astonishingly small power pack.

Bartels Mikrotechnik's micropumps mp5 and mp6 are designed to provide the flexible platform for a wide range of applications. 'The principle of the piezo membrane pump is very simple, so that the basic devices can easily be adapted to manifold requirements', product manager Severin Dahms explains. A larger flow range? Special material demands? Higher flow accuracy? 'No problem, the customer decides.'

Some prototypes of adapted pump versions exemplify these possibilities at Bartels Mikrotechnik's booth at Hanover Fair 2008. A high pressure pump, a version with increased volume flow and a controlled-loop micropump will be exhibited in hall 6, booth F 16 / K 1.



The mp6 with the new double actuator system

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A new component of the available auxiliary equipment for mp5 and mp6 will be introduced as well: Bartels now offers a valve with positive opening pressure to control the backflow when the pump is not operating.

About Bartels Mikrotechnik

Bartels Mikrotechnik utilizes its broad MEMS background to provide innovative technologies and product solutions for various branches. Over twelve years of experience and a reliable network of partners distinguish the company. Combining engineering services for industrial customers with the development of its own products and components, Bartels Mikrotechnik generates a growing stock of knowledge and IP every customer benefits from.

At the Hanover Fair 2008 the company demonstrates its creative competence and the innovative potential of fluidic MEMS by showing solutions developed for customers as well as its own micropump family and microvalves.

Bartels Mikrotechnik at the Hanover Fair

April 21st to 25th 2008 at the MicroTechnology, hall 6, booth F 16 / K 1

!! A general presentation for journalists is scheduled for April 21st 2008, 2 pm, at the booth.

If you are interested in an interview or further picture material in the run-up to Hanover Fair, please contact

Mrs. Dr. Ulrike Michelsen, Tel. +49-231/9742-500,
or email to presse@bartels-mikrotechnik.de .

Technical data about mp5 and mp6 as well as information concerning the available controllers and auxiliary equipment can be found on

<http://www.bartels-mikrotechnik.de/produkte/mikropumpe-lang-en.html?lang-en>

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