

Side channel pump with canned motor

The self-priming side channel pump Semis with canned motor is the ideal choice for the transfer of aggressive or toxic media. It has best efficiencies in the area between displacement pumps and centrifugal pumps. Many applications in refrigeration engineering require pumps to transfer volatile liquids near their boiling point. The Semis provides the answer to this problem, allowing troublefree operation at low life cycle costs. The constructional design of the close coupled version is very easy to install: there is no need for alignment of motor and pump. The pump parts in contact with the media are available in chemically resistant stainless steel and also in a price-worthy ductile iron version.

Hall 8, Booth K25-26

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www.seroweb.de

Screening of PET-flakes

With a MikroSort practice machine Mogensen demonstrates the screening of PET-flakes. MikroSort type AF0916 was developed specially for the sorting of fine trickling products, e.g. PET-flakes, rock salt, sheet glass etc. Sorting applications in transmitted-light method and reflected-light method are possible on one machine by means of parameterizing. Parts from 2.0 mm in colour sorting and 0.5 mm as dark inclusions are recognized and slugged out. The system uses a high-quality CCD-colour line camera which is advantageous especially regarding the picture taking of fine products.

Besides the detection technique, also the separating system was specially adjusted. In order to sort small parts most efficiently, a great number of separating channels as well as fast and precise operating valves are needed to achieve a sophisticated separation. A very narrow nozzle pattern in this machine guarantees high separating accuracy with little sorting-

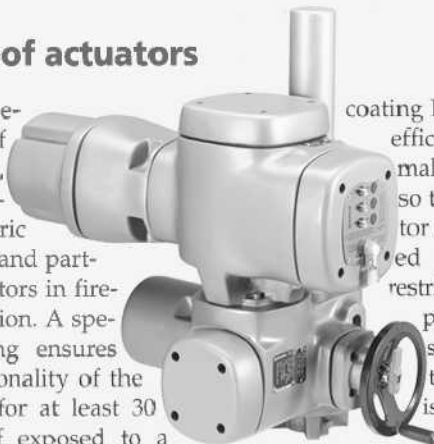
out. The AF is able to reject up to 2500 parts per second. By using valves which work reliably with a pressure of 0.5 bar the air pressure entry in the separation areas is reduced to a minimum. Furthermore, the machine is equipped with a circular dust removal. Thus, for the sorting process disturbing air turbulences at high repulse rates and with light products like PET-flakes are avoided.

Hall 6.0, Booth F18-F21

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Fireproof actuators

Since the beginning of this year, Auma offers electric multiturn and part-turn actuators in fireproof version. A special coating ensures full functionality of the actuators for at least 30 minutes if exposed to a temperature of up to 1100 °C. During normal operation the

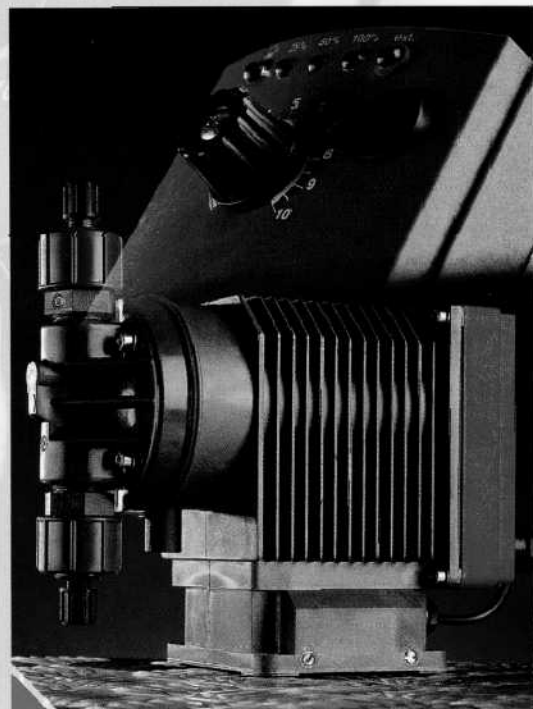


coating has a high coefficient of thermal conduction so that the actuator can be operated without any restrictions if compared to a standard actuator. The isolating effect of the coating only becomes effective for higher temperatures.

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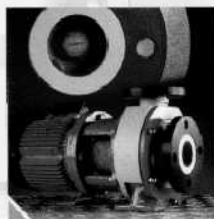
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Please ask for detailed information.

Lutz - Jesco GmbH
PO Box 10 01 64
D-30891 Wedemark

Tel.: (+49 51 30) 58 02-0
Fax: (+49 51 30) 58 02 68
E-Mail: info@jesco.de

Internet: www.jesco.de
24h-Hotline:
(+49 51 30) 580 280

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