

Ladies and Gentlemen,

The aim of today's newsletter is to shorten the waiting time to ACHEMA and introduce you to new topics, special applications and HERMETIC systems.

We are particularly pleased to be able to present you with something very special at the start of the exhibition:

Great cinema awaits you on 15 June 2015...

We invite you on time. Be curious.

Day tickets are still available from us – [order](#) your day ticket vouchers now and [make an appointment](#) with us at ACHEMA. You will find us in Hall 8.0, Stand D4.

I look forward to seeing you,
Nicolaus Krämer
Chief Executive Officer - CEO



The solution for CO₂ applications

Not only since the F-gas regulation was enacted by the EU, natural refrigerants have become an increasingly important focus of system manufacturers. The use of CO₂, ammonia and hydrocarbons as energy carriers, however, poses new challenges to design engineers and thus also to pump manufacturers. At the same time, the requirements regarding energy efficiency are increasing. The new CAMh from HERMETIC with a nominal pressure of 52 bar is [suitable](#) for most applications in typical CO₂ refrigeration systems.



Special application for HERMETIC canned motor pumps: diesel desulfurization

For more than 15 years, the environmentally harmful sulphur content of „highway diesel“ (for automotive traffic) has been progressively reduced. In Europe today, 10 ppm of sulphur is allowed; in the US this figure is 15 ppm. In China, by contrast, 150 ppm is still standard. A national programme calls for the reduction of sulphur content to a value of 10 ppm by 2017.

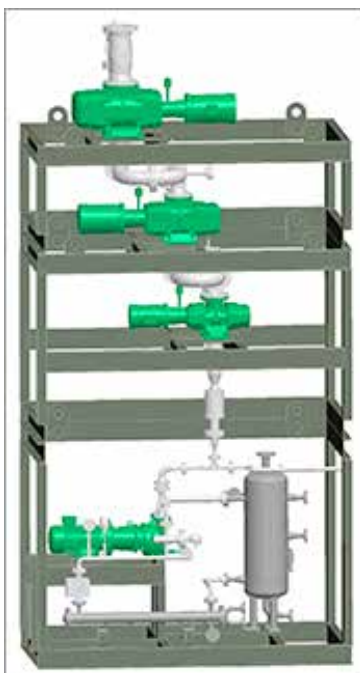
The method for the desulphurisation of diesel involves a hydrogenation process in which high system pressures (>100 bar) and high temperatures (>400°C) have to be handled by the pumps. The corrosiveness of the fluid to be delivered also demands high-alloy steels.

Due to the size of the machines (flow rates of 1400 m³/h have already been achieved at a differential pressure of 140 m), wall thicknesses are relatively large, which in turn places great demands on the design with regard to thermal stresses.

Canned motor pumps have proved their worth as a safe, hermetically sealed solution in these processes. The system does not require complex mechanical sealing systems for high pressures and temperatures. This reduces causes of failure.

The pumps meet the stringent specifications of refineries and are executed according to API 685.

HERMETIC canned motor pumps are used whenever liquids and gases have to be pumped at extreme temperatures and under potentially hazardous conditions. Even at highest pressures and performance levels, the pumps offer safety for man and the environment.



Multi-stage vacuum pumping systems with a total value of over one million euros

To obtain high quality products from solutions after synthesis is one of the main tasks of thermal separation processes, e.g. evaporators. In order to deal with active agents as gently as possible, distillation in the chemical and pharmaceutical industry often takes place under vacuum, so as to keep temperatures as low as possible during evaporation of the solvents. For a customer in the United States, HERMETIC delivers several multi-stage vacuum systems with a total value of over one million euros for this typical application. Several Roots blower, a jet pump and, on the atmosphere side, a hermetic liquid ring vacuum pump are used in these systems. Design, planning and implementation of the pumping unit are performed in full at the experienced HERMETIC vacuum plant engineering and construction facility in Gundelfingen. In addition to multi-stage vacuum pumping systems, HERMETIC specialises in hermetically-driven vacuum pumps. The canned motor drive or magnetically coupled variant are offered as alternatives. Since this equipment is often used in critical processes, pumps and equipment are also available in special materials such as Titanium or Hastelloy. If you are interested, please contact us at vakuum@hermetic-pumpen.com or click [here](#).

ACHEMA 2015

Wunschtermin und Gesprächsinhalte
als Vorbereitung für Ihren Besuch
Desired date and topics of discussion
as preparation for your visit

We focus on your visit and would like to prepare for it as carefully as possible. Please let us know when we may welcome you at our booth.

Bitte teilen Sie uns die Tage und die auf unsere Messstandlungliche Themen.
We are looking forward to your visit and would like to prepare it as carefully as possible. Please let us know when we may welcome you at our booth.

Bitte Wunschtermin / Preferred Date


Tag	Monday	Tuesday	Wednesday	Thursday	Friday
Day	Monday	Tuesday	Wednesday	Thursday	Friday
Date	15.06.2015	16.06.2015	17.06.2015	18.06.2015	19.06.2015
Time					

Wünschen Sie einen bestimmten HERMETIC Gesprächspartner?
Would you like to speak to someone in particular?

Möchten Sie über ein bestimmtes Thema mit uns sprechen?
Is there any special topic that you would like to discuss with us?

Name _____
Firma / Company _____

Bitte anheften und einbringen / Please fill in and send to info@hermetic-pumpen.com



Desired appointment and topics of discussion as preparation for your visit

We look forward to your visit and would like to prepare for this as carefully as possible. [Please let us know](#) when we may welcome you at our exhibition stand.



Ticket service for ACHEMA 2015

We cordially invite you to be a guest of HERMETIC at ACHEMA 2015. You can request day ticket vouchers on our [website](#).

We are pleased if you can gather practical information and new ideas for your daily business from our newsletter.

Impressum

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