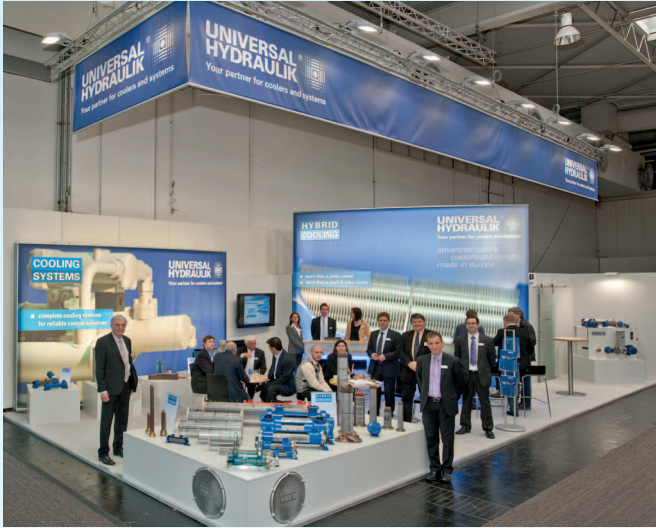


# Newsletter

## News from the Hannover Exhibition 2011



### Hannover Messe 2011

4.4. to 8.4.2011, Hall 19 Stand B02

Universal Hydraulik GmbH presented at this year's Hannover Exhibition with a new design a set of extensions of existing product lines. The successful marketing and a variety of investments in the past two years made the strong expansion of our own production in the Czech Republic possible.

Furthermore Universal Hydraulik GmbH invested in this period intensive to ensure a better product quality and better delivery reliability.

Universal Hydraulik GmbH is particularly well known for customized solutions for coolers and systems.

### HYBRID COOLING

#### The EKM/ SKM series has been extended !

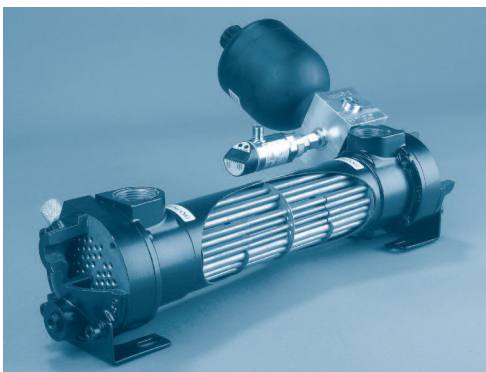
Universal Hydraulik GmbH extends this series to a larger shell diameter (1700 size). Now up to 1.500 l/min volume or 1.000 kW cooling capacity can be achieved.

We also added a new set of material options, resulting many new applications. Here are the main innovations:

- Bronze/ Gunmetal – End caps (for marine applications)
- Stainless steel water tubes
- Copper fins
- Stainless steel housing (on request)
- Welded water tubes

### FAIL SAFE COOLING

The Fail Safe Heat Exchangers are produced now completely in our own production!



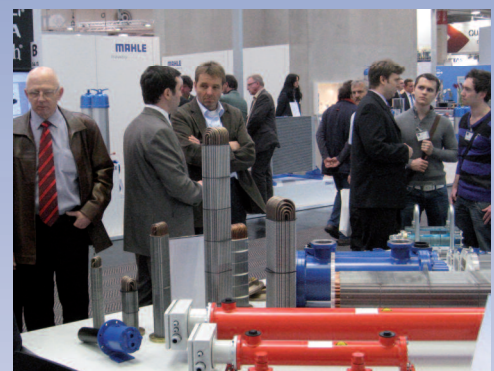
#### NEW

Universal Hydraulik GmbH is expanding the manufacturing capabilities to the Bare tube series (AM and CM), which form the basis of the fail safe heat exchanger, so a usual short delivery time is also guaranteed.

### Fair impressions



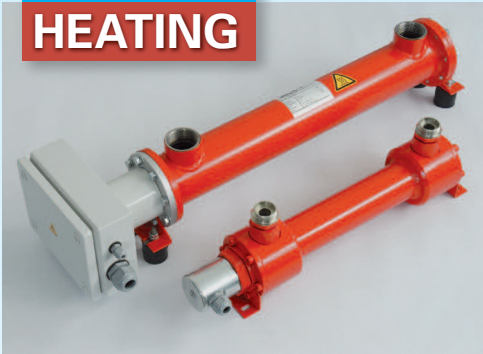
A strong team for you!



# Newsletter

## News from the Hannover Exhibition 2011

### ELECTRICAL HEATING



#### **NEW** The EDH series has been extended !

Universal Hydraulik GmbH extends the electrical heater (EDH-series). Now the heating capacity ranges from 0,5 – 12 kW (till 60 kW is planned). The series 700 and bigger includes an adjustable thermostat (0 – 90°C) and an integrated temperature limiter (max. 100°C)

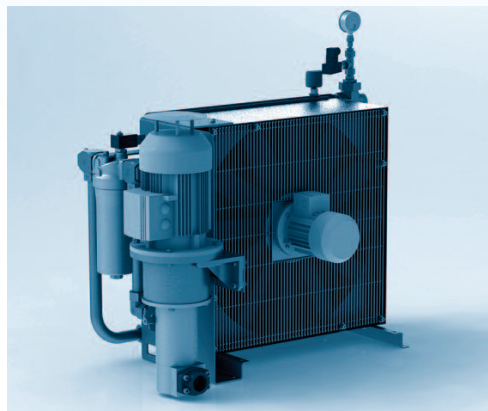
By adding an electrical heater in a bypass cooling filter system, the problem of preheating of the cold oil is solved. Thus, no damages occurs to the hydraulic system, using too high starting pressures. On the other hand, a heating element in the tank has the disadvantage, that the amount of the oil tank, which flows around the heating element is not controlled.

With the electrical heater-EDH, the oil flow is controlled and the heating power can be calculated with our design software (duration and pressure drops).

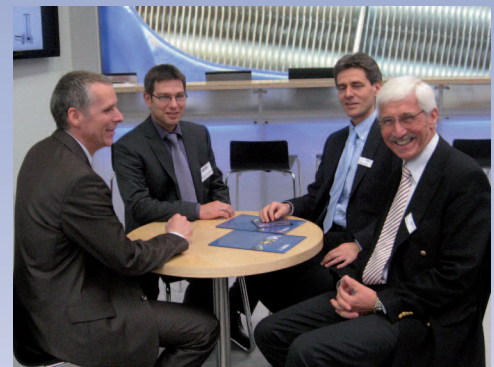
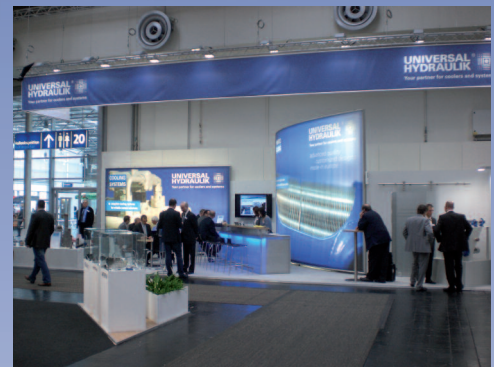
### COOLING SYSTEMS

#### Cooling Systems from Universal Hydraulik GmbH !

Universal Hydraulik GmbH offers special solutions of any kind, e.g. complete bypass-solutions for filtering and cooling the hydraulic system, based on the Oil-Air cooler series LKI (see picture). We are leading in the development of complete Cooling systems on a basis of long years of hydraulic experience and the existing hydraulic system workshop. We can guarantee a reasonable price/ performance ratio, by our own production (oil-water and oil-air coolers).



### Fair impressions



#### Universal Hydraulik GmbH

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