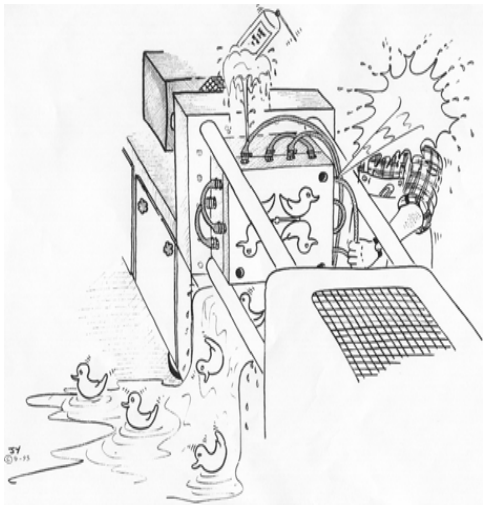
Product Information - Vac-system

Perfect as leak-stopper and for mould draining.
The vac-system is virtually maintenance free as it has no moving parts exposed to wear and tear.

Application

The vac-system from Boe-Therm is unique, as it offers the possibility of using both pressure and vacuum in one circuit.



Description - Leak-stopper

In case of a mould water leak it is important to keep a high water flow without air coming into the circuit. Leak-stoppers that alter the pump rotation are non-adjustable; consequently air comes into the circuit, in case of a leaky mould and the temperature in the process cannot be controlled.

The vac-system from Boe-Therm is based on the injector system, which is driven by the pump in the temperature controller. The system works with pressure to the leak, and from the leak back to the unit, the injector works with vacuum, which can be adjusted according to the size and location of the leak by a manually operated valve. No air comes into the circuit.
If a leakage occurs, the flow through the circuit should be arranged so that the leakage is at the end of the water circuit - most pressure and less suction.

Description - Mould Draining

For thorough draining of the mould and hoses the injector system is the perfect solution. The injector, driven by the pump, drains the mould of water, and all water traces are removed with a strong air current blowing through the mould and hoses without using compressed air.

The mould draining facility is integrated in the microprocessor. Only two keys on the instrument board of the temperature controller have to be pressed to activate the mould draining.

The following units are available with integral vac-system:
Temp 95
Temp 140 and Temp 160
- effective between 10 to 80°C only
Temp 300 - used for mould draining before mould change and for reduction of the system pressure.

Product Information - Automatic water change via the vac-system

The automatic water change system developed by Boe-Therm saves maintenance time and reduces corrosion and impurities in the mould channels.

Application

If chemicals are added to the process water it is very important that the water that the temperature controller circulates through the mould channels is of the same quality, and is maintained throughout the production.

Description of The Water Change System

When starting a new process the temperature controller and the mould channels will be filled with water from the central cooling system. Then the water is recirculated through the mould channels via the temperature controller. The mould channels might contain impurities and/or oil remains, which pollutes the water as time passes.

Furthermore chemicals initially added are destroyed over a period of time and these conditions may cause corrosion and alga growth. Only frequent change of water in the temperature controller can ensure a consistently high quality circulating medium.

As a new option Boe-Therm offers Temp 95 vac with integral timer, which automatically makes small but frequent water changes, as not to influence the process temperature.