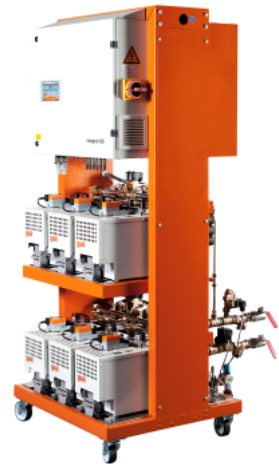




system integrat

integrat 80

Segmented mould temperature control
with water up to 140°C



The **integrat 80** is used for the modular temperature control with water up to 140°C in the basic version with up to six temperature control circuits to be operated completely independently of each other. The basic version can be expanded with extension columns and up to 24 temperature control modules.

As an option, the temperature control circuits can be extended with the 4-way distributor vtc with flow and temperature measurement. Thus, a maximum of 96 temperature control circuits can be monitored with the vtc 4-way distribution system.

In conjunction with the standard heating control system used as standard, a homogeneous temperature profile on the mould cavity surface is achieved in an extremely energy-efficient manner, as well as with constant cooling by using a motor valve. As an option, the pumps can also be operated with frequency control unit. The power requirement of the pump is continuously adjusted by means of the temperature difference control to the process performance changes, this improves the procedural results and contributes to energy savings.

The vertical design with a footprint of only 85 x 75 cm and the central electrical and cooling water connection, enable cost- and space-saving integration into production cells.

Users praise the intuitive and clear user guidance on the central screen. All process data is displayed numerically and graphically on a 7-inch touch screen with colour display. Various password-protected operator levels allow for the safe operation with storable process parameters.

The data can be transferred to external data carriers via an interface to the machine control and via a USB connection. The touch screen is located in the temperature control system itself.

