

model	omega.k 60 L	scalable as required	omega.k 500 L
cooling capacity at $T_{VL} 20^{\circ}\text{C}/T_{amb.} 35^{\circ}\text{C}$	6 kW		50 kW
ambient temperature during operation	5 - 45°C		5 - 45°C
temperature feed flow	5 - 25°C		5 - 25°C
control accuracy	+/- 1K	range from/to	+/- 1K
optional up to:	+/- 0.2K		+/- 0.2K
water flow	28 l/min.		160 l/min.
at external differential pressure	3.0 bar		3.5 bar
optional:	5.0 bar		5.0 bar
power supply	400 V/3 Ph/50 Hz // 460 V 3 Ph/60 Hz		
tank volume	80 l		210 l
dimensions (mm) W/D/H	660/660/1600		850/2340/1715
transport weight	210 kg		790 kg

## FUNCTIONS AND FEATURES:

- › space-saving design in modular housing
- › easy handling, operation and maintenance
- › all maintenance areas to the front
- › liquid level indicator visible from the outside
- › integrated control panel IP54, according to EN/CE regulations

## FURTHER OPTIONS:

- › increased control accuracy up to +/- 0.2 K
- › energy-efficient, performance-controlled design
- › active heating for quick start
- › water-cooled condenser
- › alternative power and voltage versions, frequencies
- › main components according to UL
- › various cooling media (water/glycol, DI water, etc.)
- › cooling circuit free of non-ferrous metals
- › integrated media filtration
- › pumps reinforced
- › outside installation (extended temperature range)

## VARIABLY CONFIGURABLE COOLING SYSTEM PLATFORM FOR ALL REQUIREMENTS

### FIELD OF APPLICATION:

- › stand-alone cooling system with air-cooled condenser
- › cooling system in a central cooling water with water-cooled condenser
- › heat exchange station in a central chilled water circuit with plate heat exchanger








## ABOUT TECHNOTRANS

With the acquisition of **termotek** GmbH and **klh** Kältetechnik GmbH, **technotrans** reinforces its competence as system supplier for refrigeration technology. The enhanced portfolio offers not only standard systems from 0.1 to 500 kW, but also includes customized solutions.

**technotrans** customers use the 21 service and sales companies of the corporation worldwide, comprising a total of over 800 employees, to ensure the satisfaction of their own international clientele.

Member of  
the **technotrans** group

 **technotrans**  
 **gds**  
 **termotek**  
 **klh**  
 **gwk**  
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# omega.k line

ACTIVE COOLING SYSTEMS  
MODULAR AND FLEXIBLE

 **technotrans**

# omega.k line

## PERFECTLY COORDINATED TECHNOLOGY FOR INDUSTRIAL COOLING DEMANDS

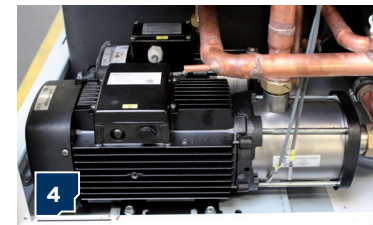
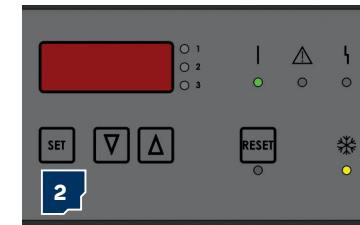
A robust refrigeration technology, customized for the respective application, is the prerequisite for a reliable, stable and economic production process.

For more than 40 years the **technotrans** group is a strong and competent partner for cooling, temperature control and filtration and offers high-quality system solutions for the graphics industry, the laser and tooling industry worldwide.

In order to fulfill the increasing demands for modularity and flexibility, **technotrans** has developed a platform, the new **omega.k**, with which customized cooling systems can be put together using standardized modules and assemblies.

### **technotrans cooling systems – proven technology**

More than 130,000 refrigeration and filtration systems from the **technotrans** group are in the field worldwide. Whether project management, installation or maintenance, our international team of experts knows what challenges our customers face each day. The **technotrans** Customer Service Center can be reached around the clock. Over 200,000 spare parts are available worldwide and can be on customer site within 24 hours.



## ECONOMIC AND EFFICIENT DUE TO INNOVATIVE COOLING TECHNOLOGY

**technotrans refrigeration systems are user-friendly, reliable and dependable**

### **omega.k line connect, adjust, produce**

**omega.k** systems are configured via a simple-to-operate, state of the art microprocessor control panel, type TEC 300. This considerably reduces commissioning periods.

### **omega.k in standard no consumables**

The **technotrans omega.k** line standard version is already equipped with an easy to clean aluminium mesh air filter. Via a filter contamination monitor can be displayed when the air filter needs to be cleaned.

### **omega.k protects machines**

To protect your machines **technotrans** offers various optional filter units for the **omega.k** systems. These efficiently protect sensitive machine subassemblies from contamination and increase the service life of the cooling media.



- 1** compressor (optional performance-controlled)
- 2** microprocessor control, type TEC 300
- 3** optional: integrated filtration which reduces maintenance efforts
- 4** pump motor according to IE3 efficiency class
- 5** EC fans – help to save energy and reduce noises