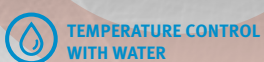


*single*

created for your perfection

# WT4

## WATER TEMPERATURE CONTROL UNIT 90°C



TEMPERATURE CONTROL  
WITH WATER



TEMPERATURE CONTROL  
WITH OIL



ATT  
VARIOTHERM



COOLING  
SYSTEM

# WT4 SERIE 90°C

The new WT4 series offers high-tech in the smallest of spaces and impresses with maximum reliability, robustness and energy efficiency in the 90 degree class. Sustainability and energy efficiency played a major role in the design. In addition to the intelligent control system, the appliances have a flow-optimised design. A special focus was also placed on the thermal insulation of the relevant components

## COMPACT AND POWERFUL

- Highest cooling capacity in this performance class!  
Due to plate heat exchanger

## ENERGY-EFFICIENT

- High energy efficiency and low heat losses and an optional speed controlled pump-
- Flow-optimised design
- Optional intelligent speed control

## MANY OPTIONS

- Flow measurement
- Tool emptying by suction / compressed air
- Various interfaces
- 7" touch controller with additional functions (Industry 4.0 capable )
- Pressure measurement
- Backflow protection
- Manual filling
- Digital interface, including OPC UA Euromap 82.1

... and much more

## ROBUST

- Hydraulic parts made of stainless steel and non-ferrous meta
- Proven components from European manufacturers
- Water tank made of stainless steel
- Heater made of Incoloy





## MULTITALENT

- Extensive standard equipment with many functions
- The wide range of options in terms of device performance and options enables optimum customisation to all application processes
- OEM-specific solutions possible

## UPGRADES

- Modular system allows subsequent upgrades
- Connection of a water distribution system possible in conjunction with SSC (SFC)

## MADE IN EUROPE

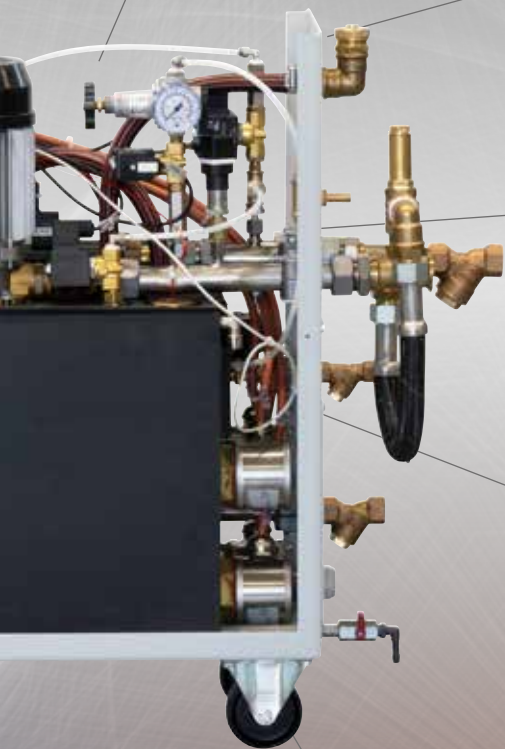
- Developed in Germany, produced in Europe

## CONTROL

- Our 3.5" and 7" controllers offer the latest technology in operation and control! State-of-the-art 7" touch controller SSC-capable (optional)
- IOT-capable via various interfaces such as Profinet, OPC UA, Ethernet IP

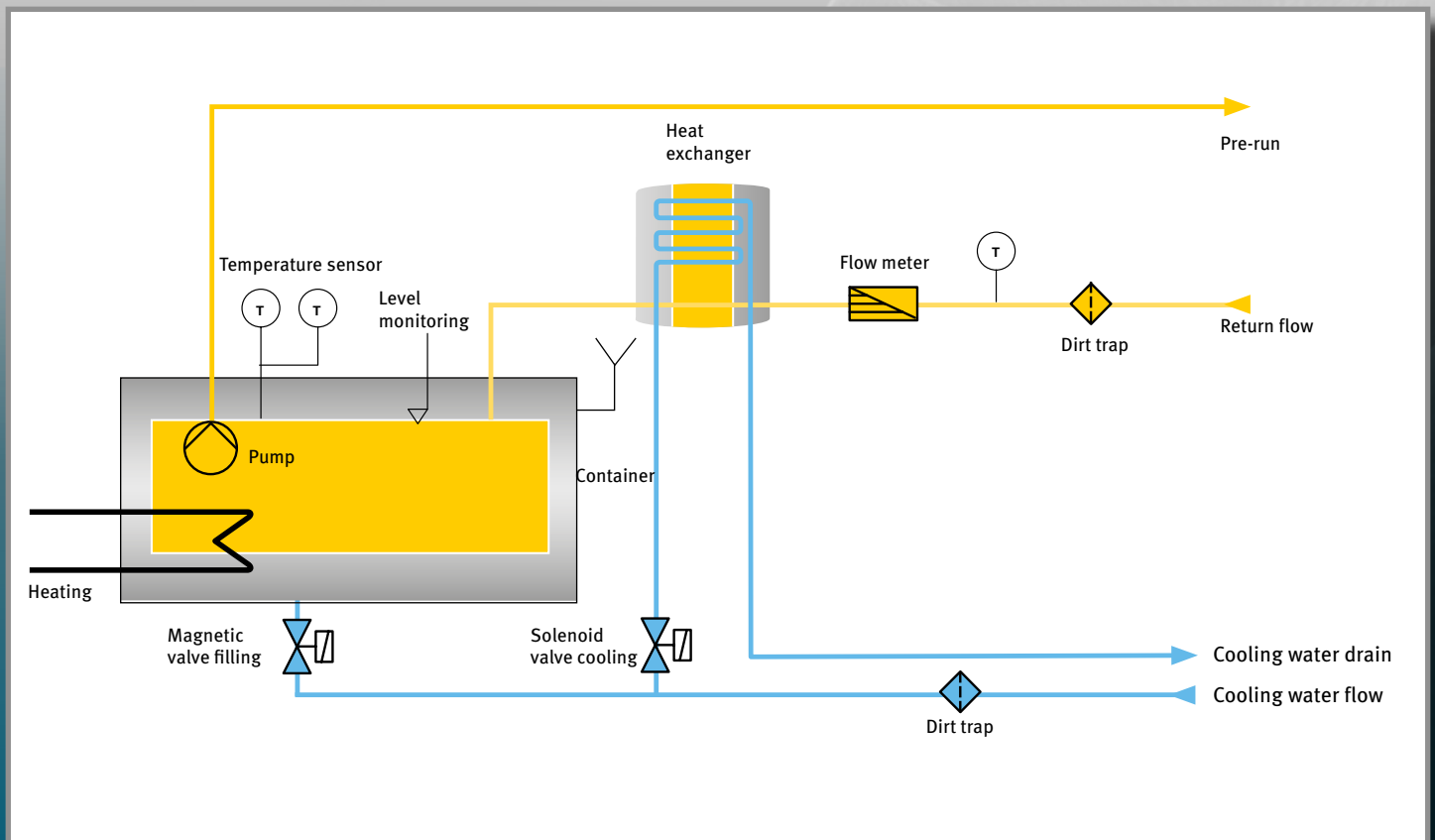
## RELIABLE

- High reliability and availability thanks to clever and robust design using corrosion-free materials. (components in contact with water made of stainless steel and non-ferrous metal)
- High protection class IP54 (hydraulic area and control box). Wear-free control of the heating via solid state relay



# WT4 COMPACT

The compact water temperature control units for applications and requirements in the low to medium power range and temperatures up to 90° C are used particularly frequently in plastic injection moulding, but also in other processes. They are suitable for temperature control in high-quality applications and enable documentation of process parameters.



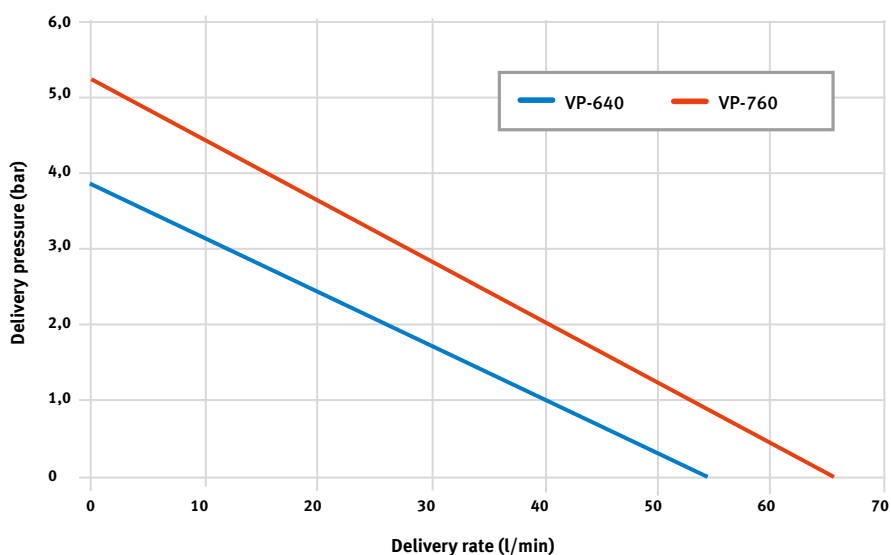


**TECHNICAL DATA**

**WT4 Compact**

Compact Temperature range	°C	90
Max. external volume	l	87
Heating capacity	kW	0/9/18/24
Cooling capacity ( 80° C flow / 15°C cooling water)	kW	0/80
Type of coolign(via stainless steel heat exchanger)		indirect
Max. flow rate	l/min	54/66
Delivery pressure	bar	3,8/5,3
Pump motor power	kW	0,66/ 1
Connections circulation medium	IG	3/4" IG
Connections cooling water	IG	3/8"
Dimensions	L	mm 734/795 without connections
( without connections )	W	mm 284
	H	mm 563
Weight approx.	kg	90

**PUMP CURVES WT4-90**





# UNBEATABLE IN EVERY WAY: OUR FIELDS OF APPLICATION.

Our series of temperature control units are used wherever exact temperatures are of the essence. Here are a few examples:

## WE FULFIL THE HIGHEST REQUIREMENTS

For our customers in the **pharmaceuticals industry**, we fulfil the strictest requirements even in clean rooms. We guarantee seamless documentation. And operation is gentle on pressure-sensitive devices at high temperatures.



## WE ENSURE A LONG SERVICE LIFE

This is a benefit for the **chemical industry**. In this field, we work with maximum precision, for example by heating double-walled vessels. This improves the service life and availability of devices.



## WE ENJOY HIGH PRECISION

We are strong in the production of **cereals** and **animal feed**. Also in the food industry. Our exact temperature control systems help our customers improve the shelf life, quality, taste and visual appeal of food items.



## WE MOVE THINGS FORWARD

As **partner to the automotive industry**, we can ensure the optimal temperature of the underbody coating, for example. But we also control the operating temperatures of axle or motor test stands.



## WE THINK BIG

We enable our customers to manufacture extremely large plastic parts with seamless top quality. This benefits makers of **white goods** as well as the **automotive industry**. We are also strong in **3K plastics production** with contour-aligned temperature control.



## WE THINK AHEAD

Test facilities for **semiconductors** or temperature control units for **extruder systems**, for the product of **PET bottles** and **blanks**.... For our systems, the sky is the limit. Talk to our experts! You will be amazed.



# 5 REASONS, TO CHOOSE SINGLE.

All of our work has one single goal – to help you, our customers, do your work a little bit better every time. In this, we support you all the way. – True to our motto: Single – created for your perfection.



## EASY MAINTENANCE

The sophisticated design of our units makes them extremely easy to service and repair. This saves a lot of time and money in day-to-day business.



## LOWER ENERGY CONSUMPTION

Our new temperature control units save between **40 and 70 per cent** of energy, depending on the application. They also need less cooling water and have a longer service life. This creates a win-win-win situation for our customers.



## PREMIUM QUALITY

More than ever, manufacturers today need to produce flawless quality. We are a solid partner. Our temperature control units and their intelligent temperature controllers enable our customers to achieve impressive quality.



## REALLY MADE IN EUROPE

We value the quality of European workmanship. For a simple reason: Because we develop our devices in Germany and manufacture our units completely in Europe, we can be 100 per cent certain that they work perfectly. And that is what our customers like.



## GLOBAL PRESENCE

Quick, local support is often crucial in production. Our global sales and partner network is always there for you. A phone call is all it takes ... and we will be there to solve any problems and handle any challenges our customers might face.



**QUESTIONS? OR WOULD YOU LIKE TO PLACE AN ORDER?**

Contact us directly!

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