

single

created for your perfection

WT3

WATER-BASED TEMPERATURE CONTROL UNIT 90 °C



WT3 SERIES 90 °C

– HIGHLIGHTS

single

The new WT3 series offers high-tech in the smallest space and impresses with the highest reliability, robustness and energy efficiency in the 90-degree-class. Sustainability and energy efficiency played a major role in the design. In addition to intelligent control, the units have a flow-optimised design. In addition, special focus was placed on the thermal insulation of the relevant components.

ROBUST

- Hydraulic parts made from stainless steel and non-ferrous metals.
- Tried-and-trusted components from European manufacturers.
- Stainless-steel water tank
- Incoloy heater

COMPACT AND POWERFUL

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

ENERGY EFFICIENCY

- High energy efficiency and low heat losses thanks to an optional speed-controlled pump
- Streamlined design

MANY OPTIONS

- Flow metering
- Mould draining by suction / via compressed air
- Various interfaces
- 7" touch controller with additional features (Industry 4.0-enabled)
- Pressure measurement
- Return stop
- Manual filling
- Digital interface, including OPC UA Euro Map 82.1

... and many more

MULTI-TALENTED

- Broad range of standard features and functions
- Various options
- OEM-specific solutions can be implemented

UPGRADES

- Modular system allows subsequent upgrades.

MADE IN EUROPE

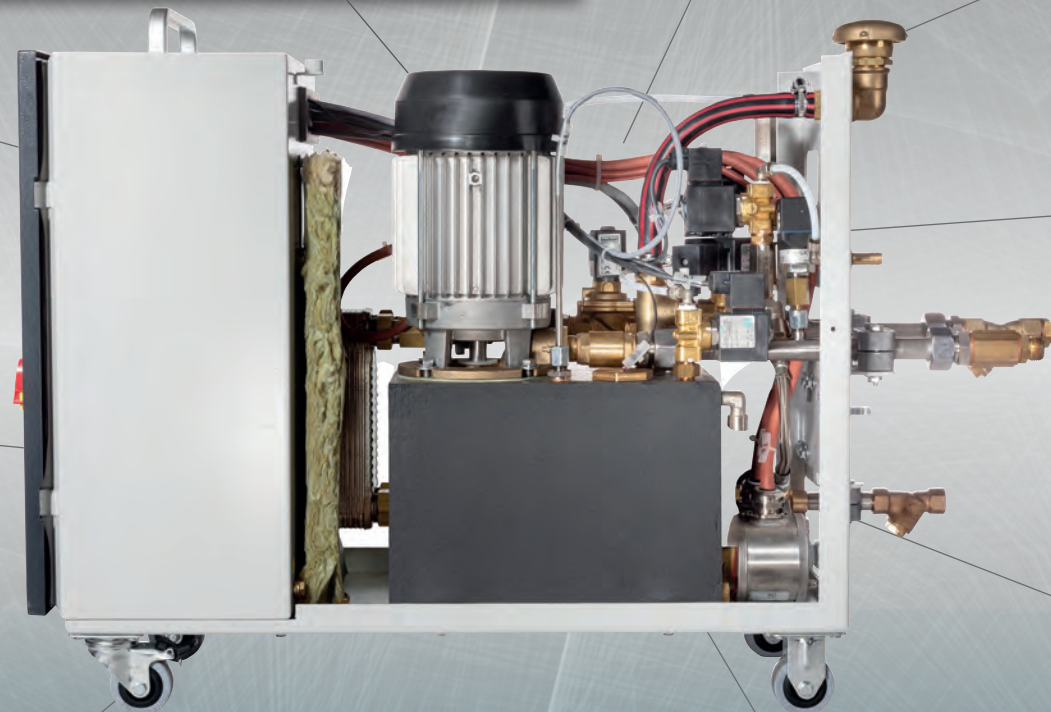
- Developed in Germany, manufactured in Europe.

CONTROL

- Our 3.5" and 7" controllers offer the latest technology in operation and control.
- State-of-the-art 7" touch controller SSC is compatible with Smart Line Industry 4.0 (optional)

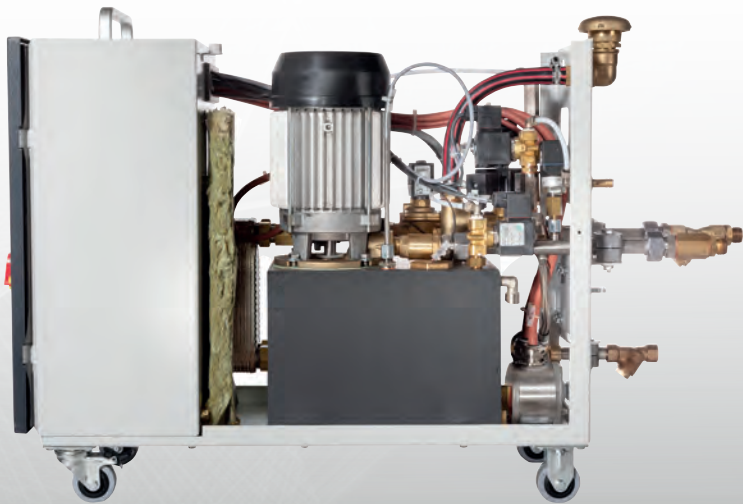
RELIABLE

- High reliability and availability due 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



WT3 COMPACT

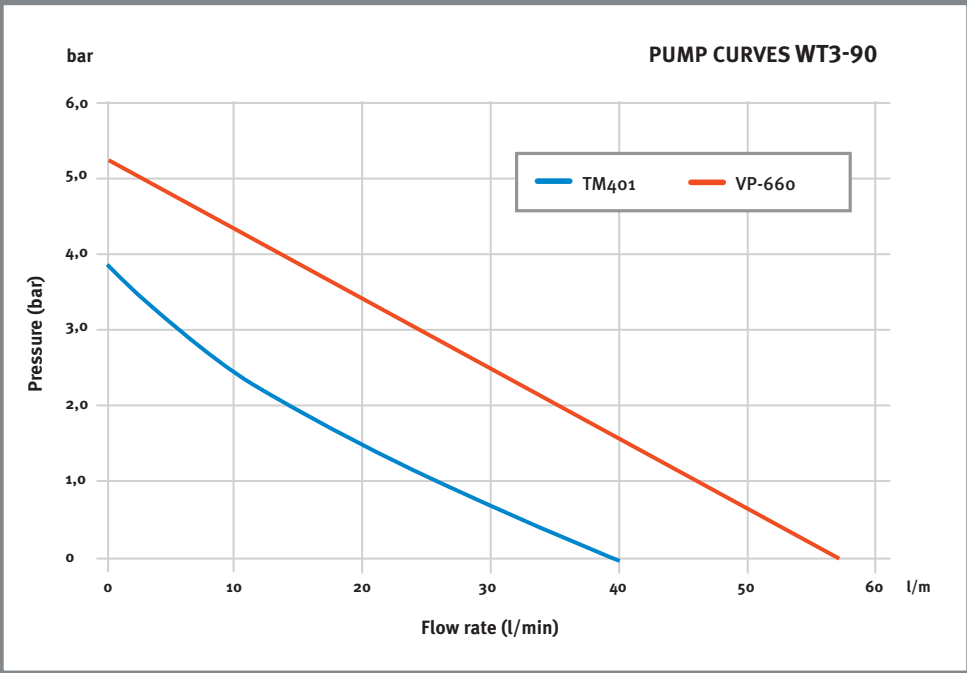
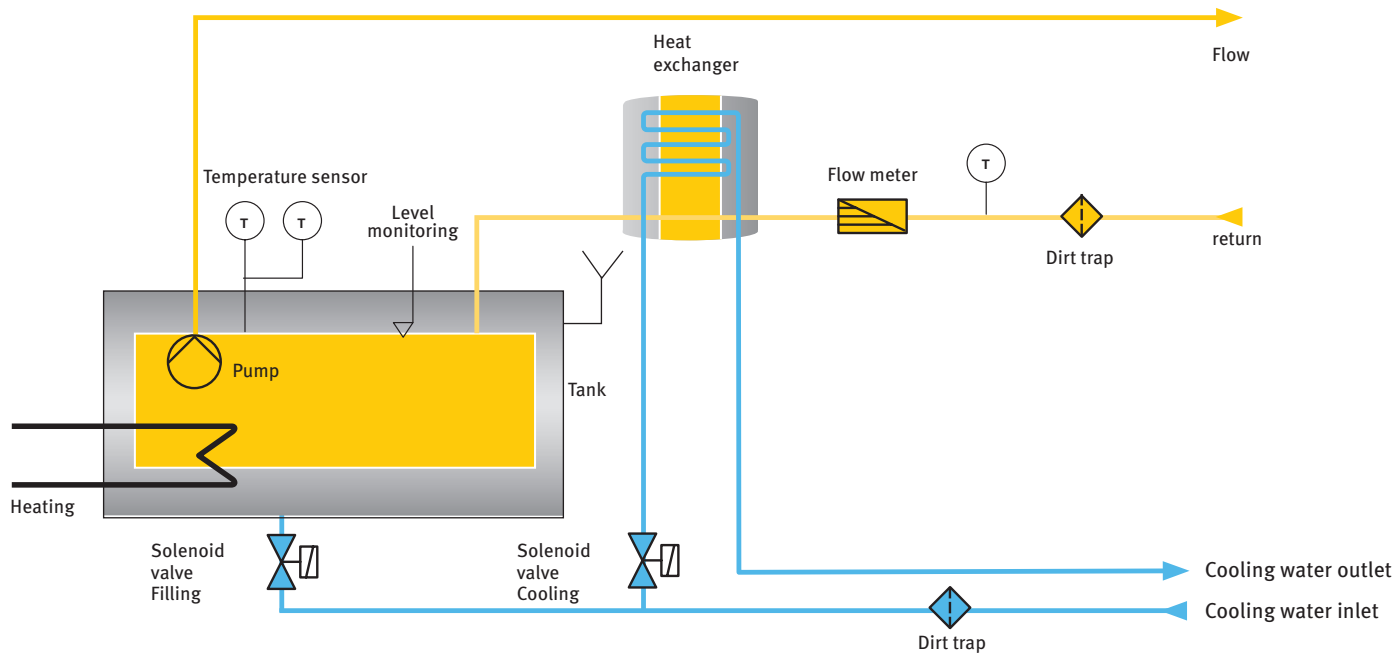
The compact water temperature control units for applications and requirements in the low to medium performance range and temperatures up to 90 °C are very popular for plastics injection moulding but can also be used for other processes. They are suited to the temperature control of sophisticated applications and support the documentation of process parameters.



TECHNICAL SPECIFICATIONS

WT3 Compact

Temperature range max.	°C	90
Max. external volume	l	45
Heating capacity	kW	3/4,5/6/9
Cooling capacity (80 °C supply / 15 °C cooling water)	kW	50
Type of cooling (via stainless-steel heat exchanger)		indirect
Max. flow rate	l/min	40/58
Max. pressure	bar	3.8/5.2
Pump motor power	kW	0.5 / 0.95
Circulation medium connectors	G	1/2" IG
Cooling water connectors	G	3/8" (14 mm)
Dimensions	L	mm 715
(without connectors)	W	mm 238
	H	mm 563
Weight approx.	kg	55



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.



YOU HAVE QUESTIONS? OR A TASK FOR US?

Then please contact us directly!

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