

single

created for your perfection

WT7 WATER-OPERATED TEMPERATURE CONTROL UNIT 90°C



TEMPERATURE
CONTROL
WITH WATER



TEMPERATURE
CONTROL
WITH OIL



ATT
VARIOTHERM



COOLING
UNITS

WT 7

WATER-OPERATED TEMPERATURE CONTROL UNIT 90°C

The WT7 is all about sustainability and energy-efficiency – as reflected in its construction and design. This unit is supplied with an extensive array of standard accessories offering various sophisticated functionalities. There is also a wide range of suitable optional add-ons.

SPACE-SAVING AND HIGH-PERFORMANCE

- Compact construction
- Best cooling performance in this class!
(courtesy of the plate heat exchanger)

ROBUST – LONG SERVICE LIFE

- Hydraulic parts made from stainless steel and non-ferrous metal
- Tried-and-trusted components from European manufacturers
- Stainless steel water tank
- Incoloy heating unit

ENERGY-EFFICIENT – CUT COSTS

- High energy-efficiency, low heat losses and an optional speed-regulated pump
- Electricity-optimised design
- CO₂-reducing

ACCESSORIES

- SFC water manifold



...and much more



RELIABLE – LONG UPTIMES

- High levels of reliability and availability, thanks to smart, robust design using corrosion-free materials
- Water-bearing components made from stainless steel and non-ferrous metal
- High protection category: IP54 (hydraulic area and switch cabinet)
- Wear-free heating control via solid-state relays

VERSATILE

- Extensive accessories as standard with various functionalities
- Array of optional add-ons
- OEM-specific solutions available

CONTROLLABLE

- Our 3.5" and 7" controllers are packed with the latest operating and control technology!

EASY TO SERVICE

- Readily accessible components

UPGRADES

- Modular system facilitates subsequent upgrades

MADE IN EUROPE

- Developed in Germany, manufactured in Europe

ECO-CONSCIOUS

- Thanks to the energy-conscious construction with speed-regulated pump, insulation, electricity-optimised design and the like, you will substantially reduce your carbon footprint

PLENTY OF OPTIONS

- Flow measurement
- Tool emptying with compressed air
- Various interfaces
- 7" touch controller with additional functionalities
- Pressure measurement
- Backflow protection
- Manual filling
- Digital interfaces and others
OPC UA EUROMAP 82.1

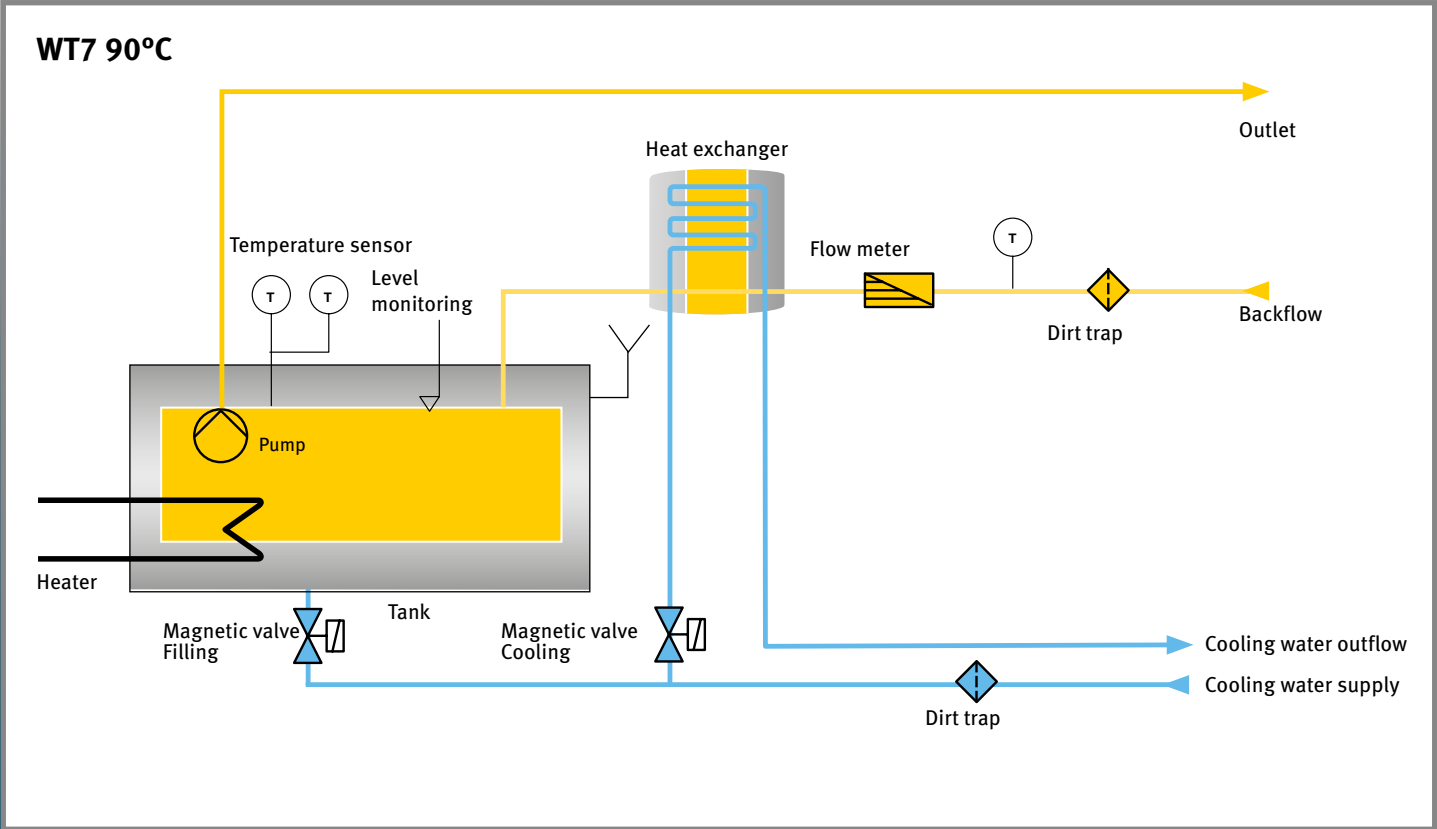
...and much more

WT 7 WATER-OPERATED TEMPERATURE CONTROL UNIT

90°C

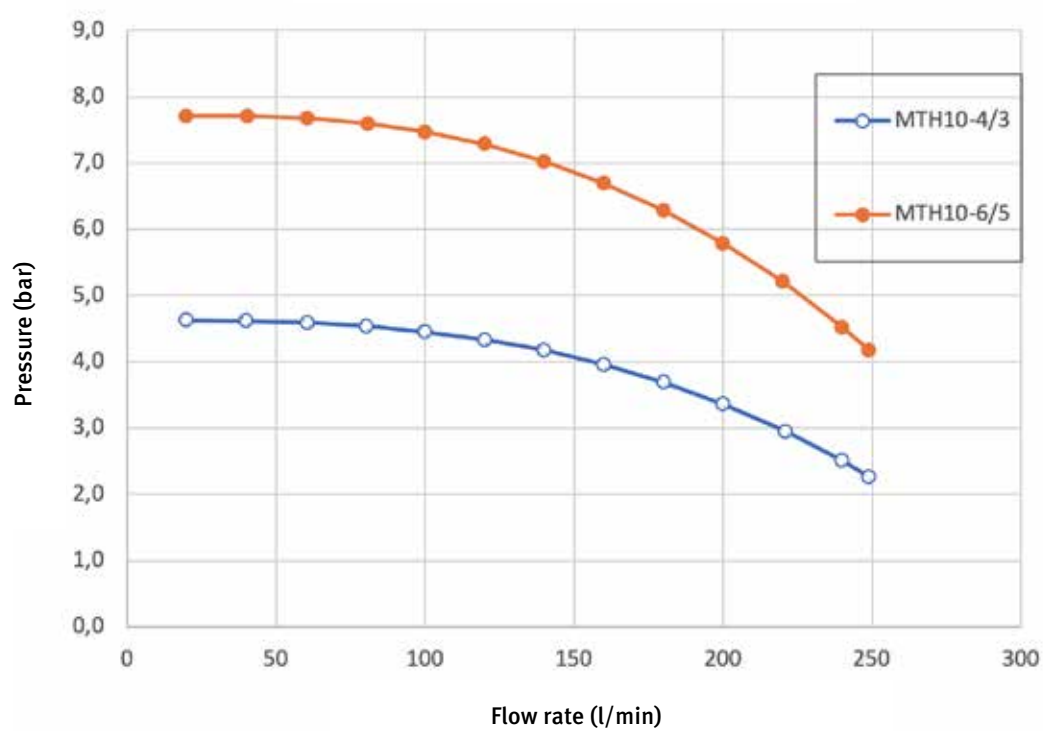
The WT7 water-operated temperature control unit – compact performance redefined. Thanks to its impressive array of standard accessories and various optional add-ons, the WT7 raises the bar in terms of energy-efficiency and versatility. Its modular construction ensures simple maintenance, while its robustness and energy-efficiency offer a sustainable solution. Maximum performance, minimal space – that’s the WT7.

TECHNICAL INFO		WT7	Standard Pump	Reinforced Pump
Max. temperature range	°C		90	90
Max. external volume	l		240	240
Heating capacity	kW		0/18/36/60	0/18/36/60
Cooling capacity (80°C outlet/15°C cooling water)	kW		0/300	0/300
Type of cooling (via stainless steel heat exchanger)			indirect	indirect
Max. flow rate	l/min		250	250
Max. pressure	bar		4.6	7.7
Pump motor capacity	kW		2.2	3.0
Connections – circulating medium	IG		1 1/2"	1 1/2"
Connections – cooling water	IG		1"	1"
Dimensions	L	mm	1224	1224
	W	mm	505	505
	H	mm	1170	1170
Weight approx.		kg	245	245





Pump Curve WT7-90



PRACTICALLY UNBEATABLE: OUR AREAS OF APPLICATION

Our series of temperature control units is used wherever precise temperatures are needed. Here are a few examples:

WE MEET EXACTING DEMANDS

We comply with the most stringent requirements for customers in the **pharmaceutical industry** – even within clean rooms. We ensure seamless documentation, while our systems are gentle on pressure-sensitive devices when operating at high temperatures.



WE GUARANTEE DURABILITY

The **chemical industry** benefits from this: we work with the utmost precision by, for example, heating double-walled vessels. This improves the durability and availability of devices.



WE LOVE PRECISION

Our systems are excellent for manufacturing **cereals, animal feed and foodstuffs**. Thanks to the precision temperature control, we give our customers the edge in terms of food's storage life, quality, taste and appearance.



WE MOVE THINGS FORWARD

As a **partner to the automotive industry**, we can control the temperature of undercoatings perfectly, for instance. However, we can also bring axle or engine test rigs to operating temperature.



WE GO BIG

We enable customers to manufacture **extremely large plastic parts seamlessly and without sacrificing quality**. This appeals to the white goods and automotive industries. We are also ideally suited to the production of **3K plastic** with contour-aligned temperature control.



WE THINK A STEP AHEAD

Test facilities for semi-conductors or temperature control devices for extruders, for manufacturing **PET bottles** and blanks... For our systems, **the sky is the limit**. Let our experts advise you: you're sure to be amazed.



5 REASONS TO CHOOSE SINGLE.

We always strive to ensure that you, as our customer, can perform your work even better. We offer you no-holds-barred support in line with our motto: Single – created for your perfection.



EASY TO SERVICE

Our units' sophisticated construction makes maintenance and repairs a breeze – saving time and money day in, day out.



REDUCED ENERGY CONSUMPTION

Depending on the application in question, our new temperature control units cut energy usage by between **40 and 70 percent**. Plus, they need less cooling water and last for longer – a win-win situation for our customers.



FIRST-RATE QUALITY

Nowadays, manufacturers are more concerned than ever with delivering impeccable quality. We're a strong partner in this respect. Thanks to our temperature control units and smart temperature management systems, our customers can wow *their* customers across their entire range.



TRULY MADE IN EUROPE

European workmanship is particularly important to us. There's a simple reason for that: all of our systems are developed in Germany and manufactured in Europe, so we can be 100% certain that they work flawlessly. And that benefits our customers.



AT HOME AROUND THE WORLD

Being able to access swift, in-person support often has a crucial role to play in manufacturing. That's why we're here for you around the globe, thanks to our network of distributors and partners. Just pick up the phone... and we'll deal with any issues or challenges you're facing on site, no matter where you are in the world.



QUESTIONS? OR WOULD YOU LIKE TO PLACE AN ORDER?

Contact us directly!

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