

*single*

created for your perfection

# WP5 – SETS BENCHMARKS

## WATER OPERATED

90 °C | 150 °C | 180 °C | 200 °C



TEMPERATURE CONTROL  
WATER



TEMPERATURE CONTROL  
OIL



ATT  
VARIOTHERM



COOLING  
SYSTEM



# EFFICIENT POWER

## WP5 SERIES

The WP5 is one of the core pieces of the Single water temperature control units. The WP5 units are available in a wide performance range of 90°C / 150°C / 180°C and 200°C, and with almost unlimited options.

Whether for injection moulding, extrusion or numerous other applications, the WP5 series can be used universally. Thanks to its reliability and its features, this series is our contribution to increasing your productivity and improving your uptime.

### USER-FRIENDLY

- Cooling and filling controlled via solenoid valves
- Configurable automatic filling via KW inflow or separate connection (easily adjustable at the factory via cooling water inflow)
- Booster pump for system filling (WP5-180/200, optional with WP5-150)
- Unit ready for connection and mounted on castors, 2 of which are steerable and have brakes

### SERVICE-FRIENDLY

- Modular design - easily accessible components - easy to install - easy to service

### INTELLIGENT

- Control and regulation Smart Controller (7" touch display)
- OPC UA interface (optional)

### ENERGY SAVING

- Circulation circuit thermally insulated (WP5-150/180/200)
- Frequency converter (optional)

### LIFE TIME

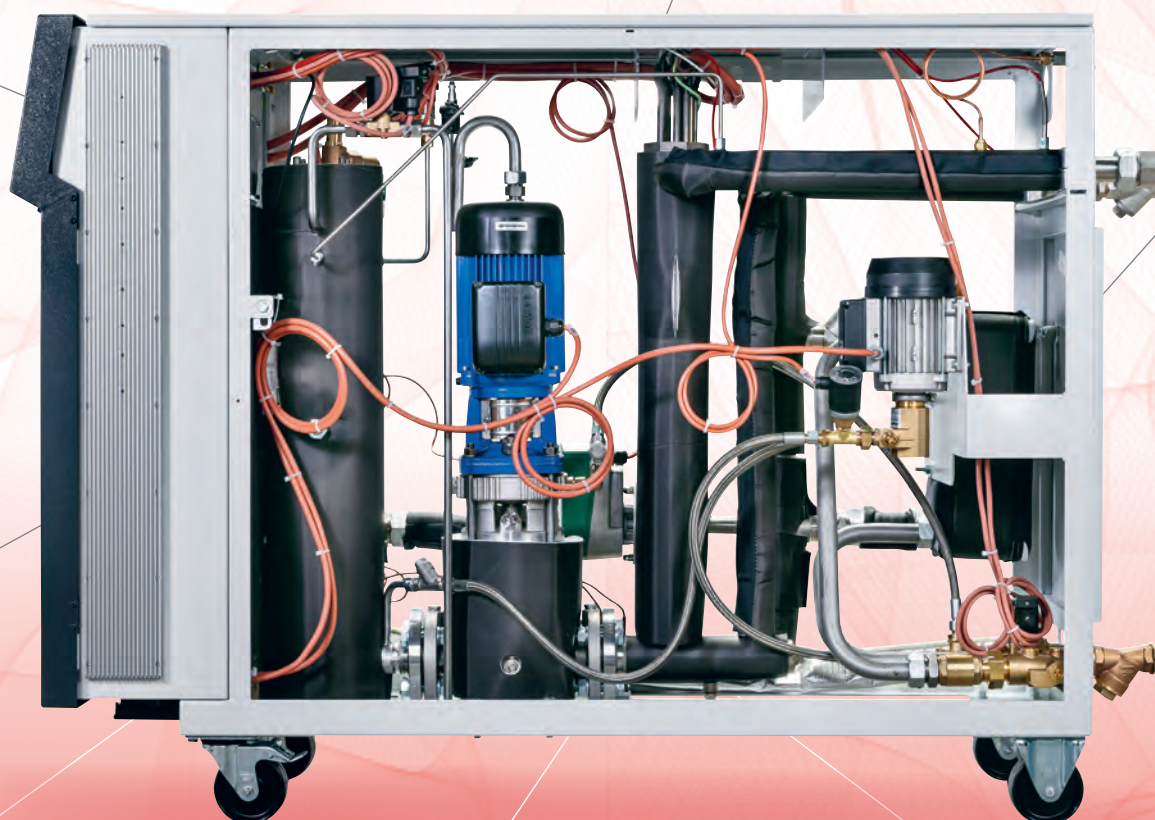
- Continuous bypass of the heat exchanger via 3-way motorised control valve (WP5-180/200 - WP5-150 optional)
- Control box forced-ventilated
- Heating control via solid-state relay
- Heating via stainless steel tubular heating elements made of Incolloy
- Expansion tank, heater and piping stainless steel

### SAFETY

- Level monitoring by magnetic float switch
- System pressure monitoring via pressure transmitter in the expansion tank (WP5-150/180/200) / (only in conjunction with Smart Controller)
- Safety temperature limiter (STB) in the heater (WP5-200)
- Pressure gauge in the supply line at the rear of the unit
- Control cabinet IP54

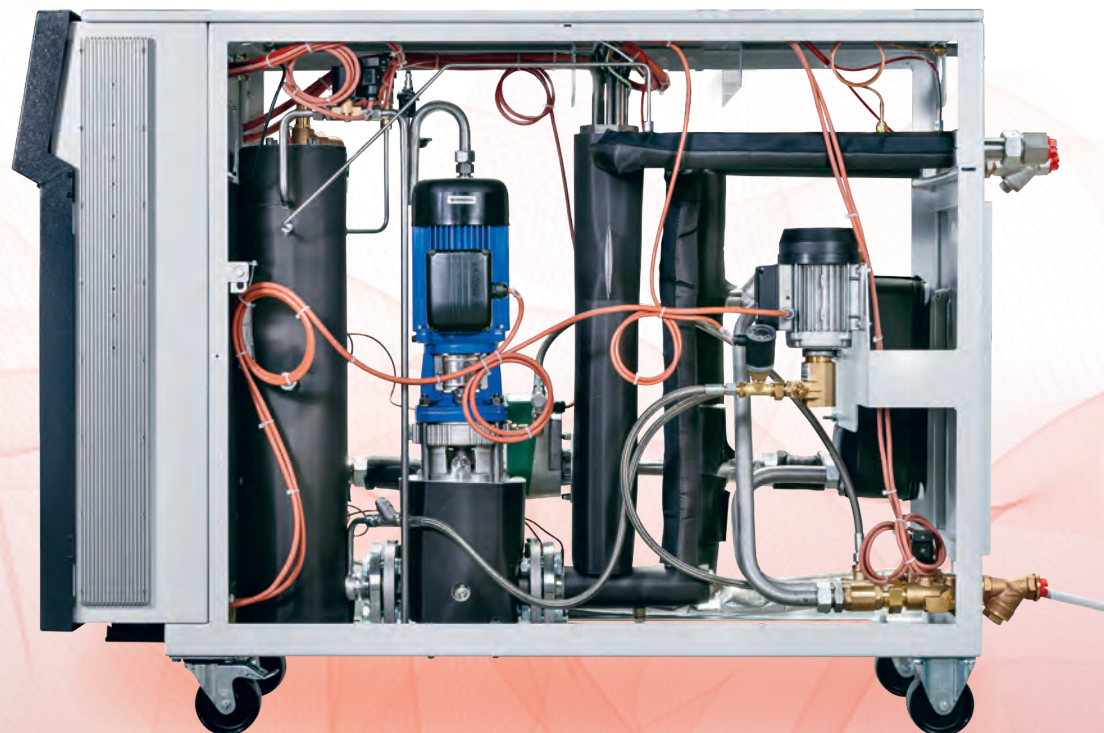
### PROCESS SAFETY / IMPROVEMENT UPTIME

- Dirt filter in the cooling water inlet, filling and return of the circulation system
- Flow measurement using the differential pressure principle
- Flow monitoring by recording the film temperature and the flow rate





STRONG ISSUE: THE WP5 SERIES

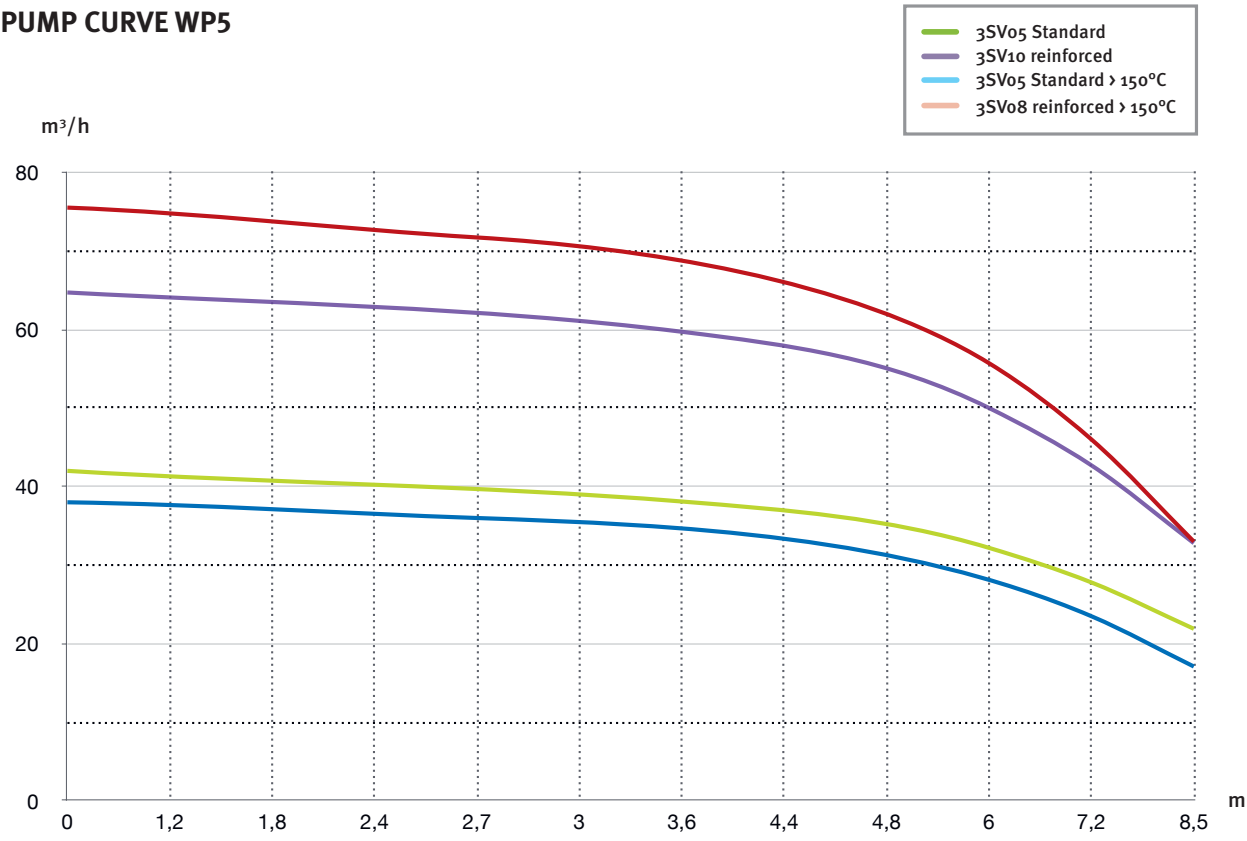


Technical Data

		WP5-90D	WP5-90	WP5-150	WP5-180	WP5-200
Max. temperature range	°C	90	90	150	180	200
Medium	Water	Water	Water	Water	Water	Water
Max. external volume	l	unlimited	90	29	19	13
Heating capacity heating circuit	kW	0, 12, 24, 36, 48	0, 12, 24, 36, 48	0, 12, 24, 36, 48	0, 12, 24, 36, 48	0, 12, 24, 36, 48
Type of cooling	direct/indirect	direct	indirect	indirect	indirect	indirect
Cooling capacity (80 °C flow/15 °C cooling water)	kw	220	220	220	220	220
Max. flow rate	l/min	141	141	141	141	141
Max. pressure	bar	3,8/7,5*	3,8/7,5*	3,8/7,5*	3,7/7,5*	3,7/7,5*
Pump motor output	kW	0,75/1,5*	0,75/1,5*	0,75/1,5*	1,1/1,5*	1,1/1,5*
Circulation medium connectors	IG	1"	1"	1"	1"	1"
Cooling water connectors	IG	1"	1"	1"	1"	1"
Dimensions without connectors	L	mm	1465	1465	1465	1465
	W	mm	485	485	485	485
	H	mm	1090	1090	1090	1090
Weight ca.	kg	220	220	220	220	220

\*reinforced pump

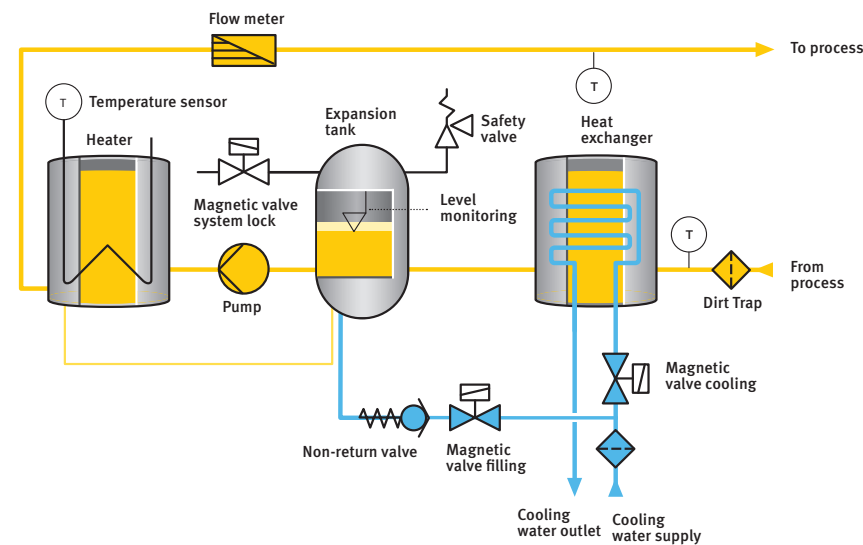
PUMP CURVE WP5



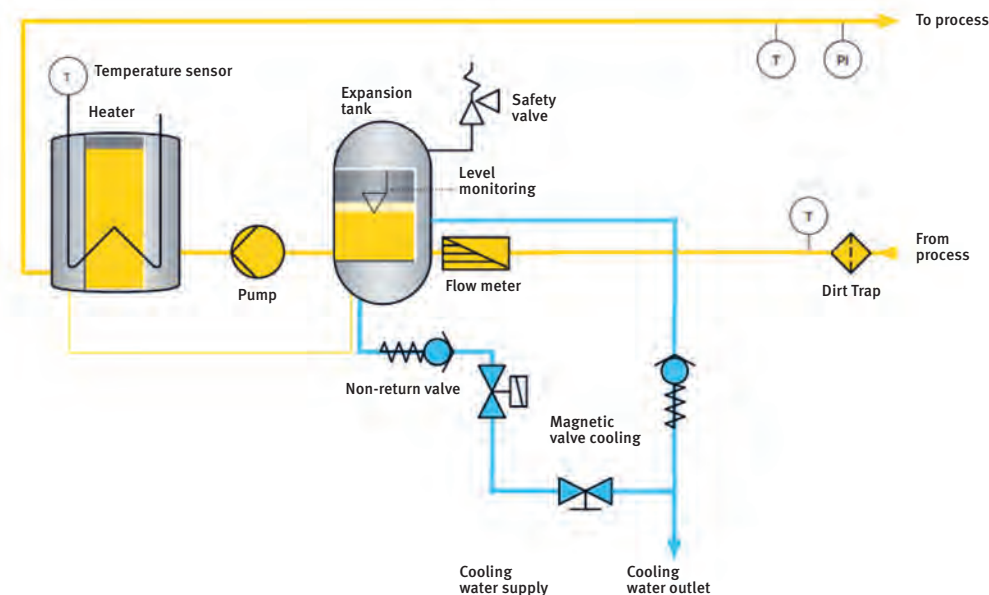


# THE WP5 SERIE IN DETAIL

## SCHEME WP5 SERIES INDIRECT COOLING



## SCHEME WP5 SERIES DIRECT COOLING



## 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 GERMANY

We value the quality of German workmanship. For a simple reason: Because we develop and manufacture our units completely in Germany, 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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