

**SINGLE universal high  
temperature – water temperature  
control systems up to 200 °C**

 **Water Advanced**  
*WP7 series*



***single***  
*first choice  
in temperature control*

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**The water temperature control systems of the WP7 series up to 200 °C are the core of the product range. The universal applications of the WP7 series range from injection moulding to extrusion.**

The high-performance WP7 water temperature control systems meet the highest safety requirements and provide a temperature range from 90 °C to 200 °C as well as almost unlimited options.

Quality, durability and energy-saving operation were very important factors in the design.

The WP7 series only uses the highest quality materials and all water-bearing parts are resistant to corrosion. The pumps are multi-stage centrifugal pumps with high efficiency and therefore very energy-saving. The outstanding insulation of the components also saves energy and contributes to a longer service life of the system.

The WP7 series is equipped with the latest controller technology, which ensures simple operation and energy-saving operation. With the 7" SSC controller, temperature control devices can be easily operated, analysed and controlled – on a single platform, i.e. the devices are compatible with Industry 4.0.

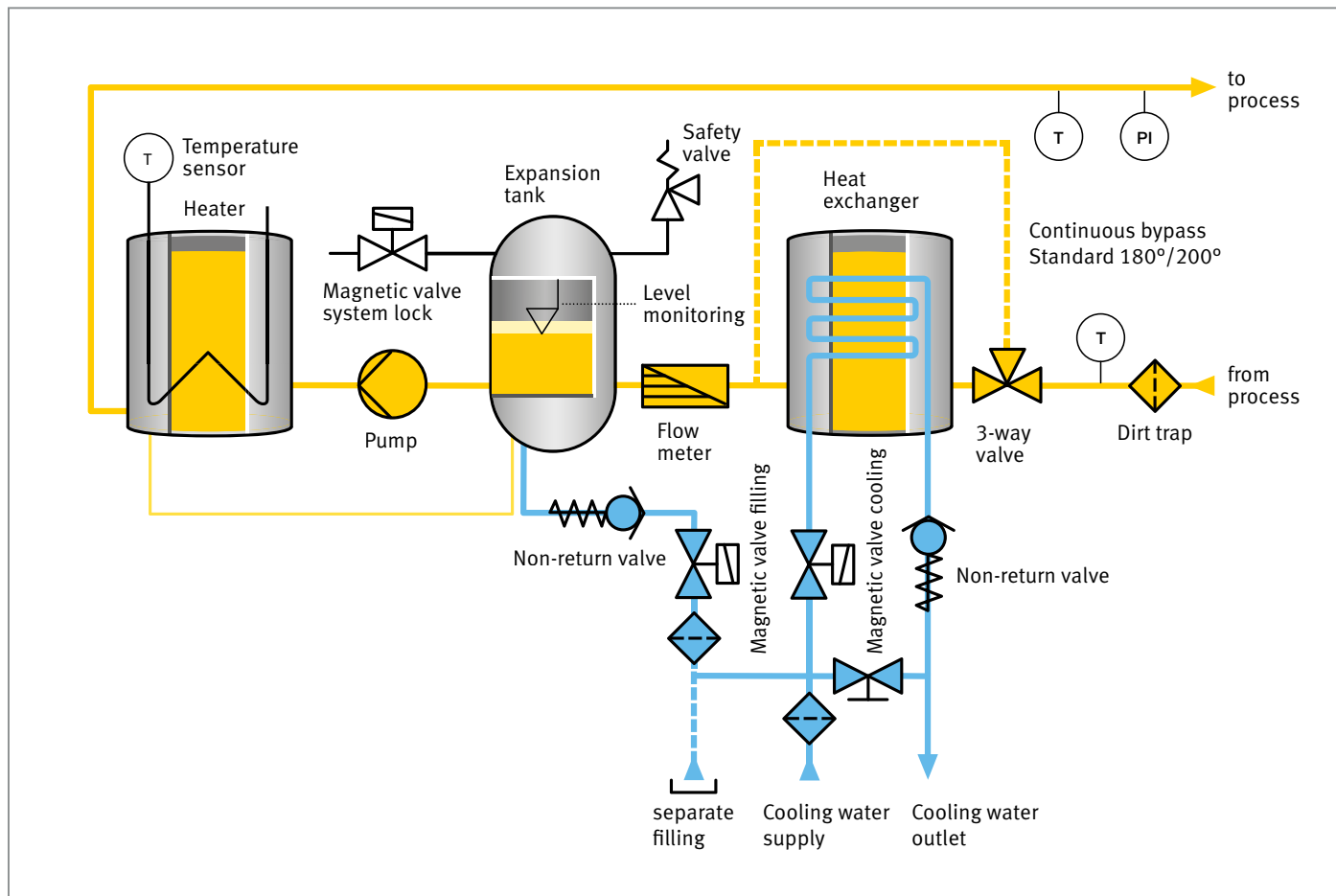
#### **HIGHLIGHTS**

- ▶ High energy efficiency and low heat losses due to complete insulation (from 150 °C) of heat-bearing components and optionally speed-controlled pumps.
- ▶ High reliability and availability due to clever and robust design using corrosion-free materials. Protection class IP54 (hydraulic area and switch box). Control of the heaters via solid state relays.
- ▶ Latest 7" controller technology – Industry 4.0 compatible – in the Smart Line package
- ▶ Limescale-free cooling due to continuous bypass of the heat exchanger using a three-way valve
- ▶ Flow measurement
- ▶ Stainless steel piping with flange connections
- ▶ Easy-to-service design
- ▶ Extensive standard equipment

#### **OPTIONS**

- ▶ Reinforced pumps
- ▶ Suction mould draining / using compressed air
- ▶ Various interfaces
- ▶ Backflow protection
- ▶ Special voltages
- ..... and much more

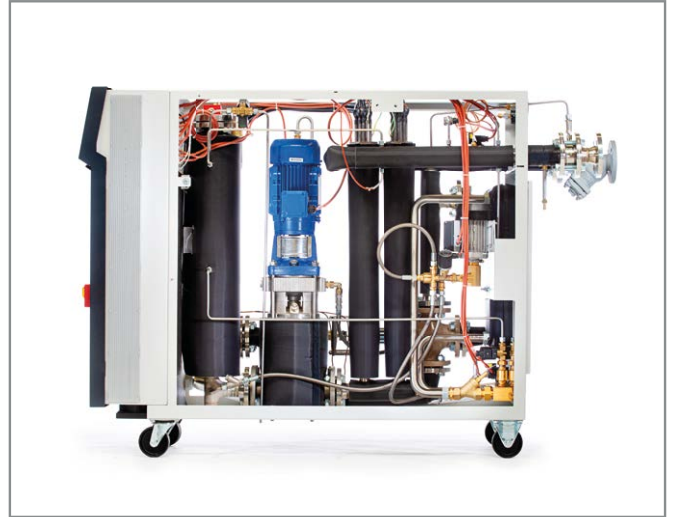
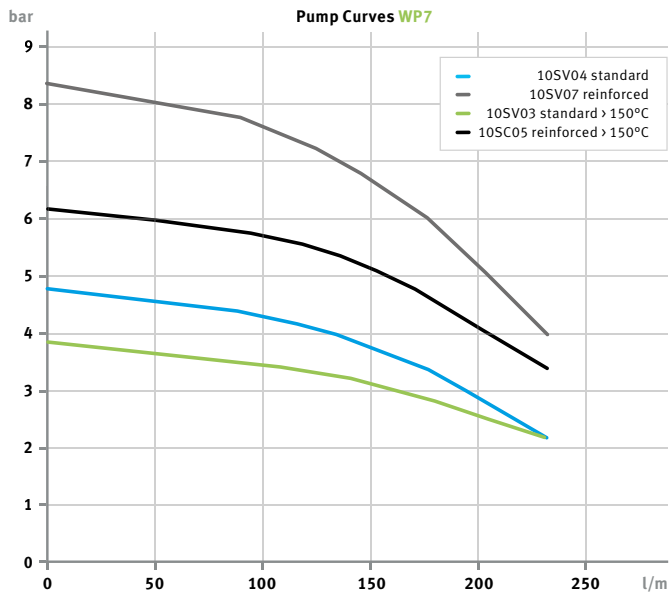
## Modular Line Water Advanced Pressurized



Water Advanced			WP7-90	WP7-90D	WP7-150	WP7-180	WP7-200
<b>Structural units</b>							
Max. temperature range	°C		90		150	180	200
Max. external volume	l		230	–	80	55	43
Heating capacity	kW		27/54	27/54	27/54	27/54	27/54
Type of cooling			indirectly **	directly	indirectly **	indirectly **	indirectly **
Cooling capacity (80 °C outlet / 15 °C cooling water)	kW		300	300	300	300	300
Max. flow rate	l/min		230	230	230	230	230
Max. pressure (max. values of the characteristic)	bar		4,7/8,3*		4,7/8,3*	3,8/6,2*	3,8/6,2*
Pump motor capacity	kW		1,5/3,0		1,5/3,0	1,5/2,2	1,5/2,2
Connections circulating media	AG		IG 1 ½"		IG 1 ½"	Flange DN 40	Flange DN 40
Connections cooling water			IG 1"		IG 1"	IG 1"	IG 1"
Dimensions (without connections)	L	mm	1460		1460	1460	1460
	W	mm	525		525	525	525
	H	mm	1200		1200	1200	1200
Approximate weight	kg		330		330	330	330

\*Special pump, \*\* Via heat exchanger

Subject to technical changes



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