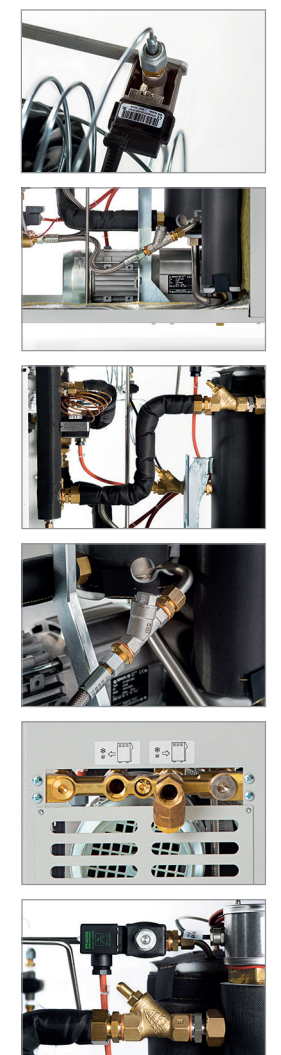
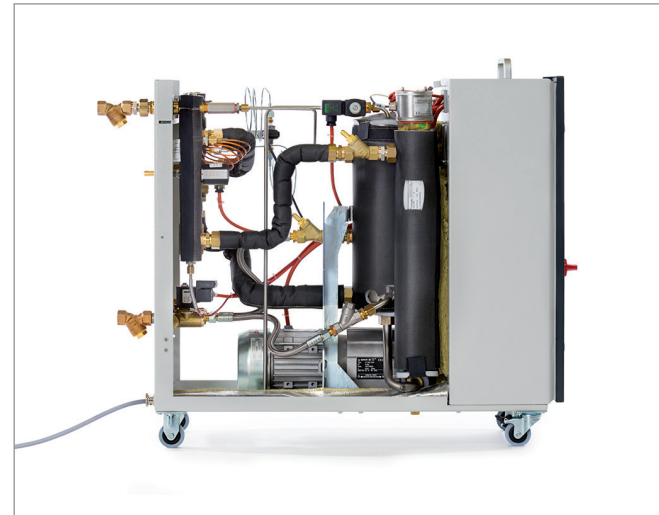
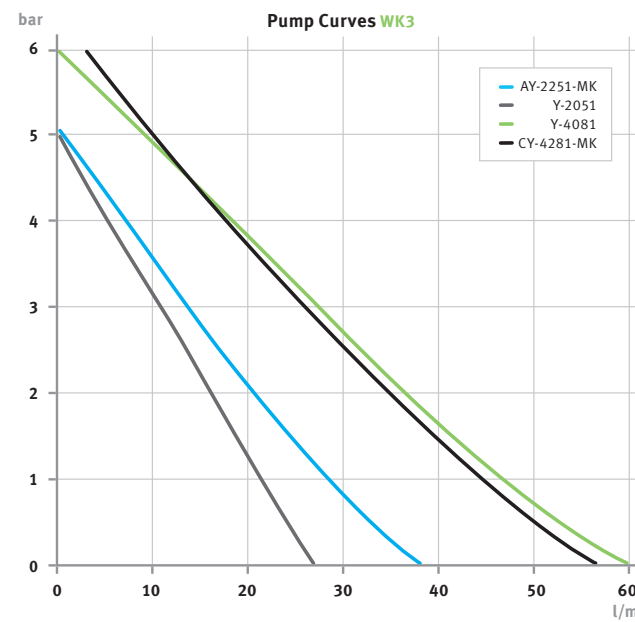


SINGLE Compact
water-operated temperature
control systems up to 180 °C

Water Compact
WK3 series



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Phone: +49 (0)7153/30 09-0, www.single-temp.de

single
first choice
in temperature control

single
first choice
in temperature control

SINGLE Compact
water-operated temperature
control systems up to 180 °C



The compact water-operated temperature control systems for applications and requirements in the small and medium capacity range up to 180 °C are predominantly used for injection moulding applications but also for other processes. They are ideal for temperature control during the production of high-quality articles and allow a documentation of process parameters.

In contrast to heat-transfer oil, water used as a circulating medium provides numerous physical and economic benefits – particularly for high operating temperatures. The heat transfer characteristics of water are far superior to those of oil: its high specific heat transfer capacity is second to no other liquid media. Water also provides many ecological benefits.

The WK3 sizes of the Water Compact product family are equipped for operation far above the atmospheric boiling point with temperatures of up to 180 °C. They meet the most stringent safety requirements. The systems are extremely compact and are built exclusively with high-quality components.

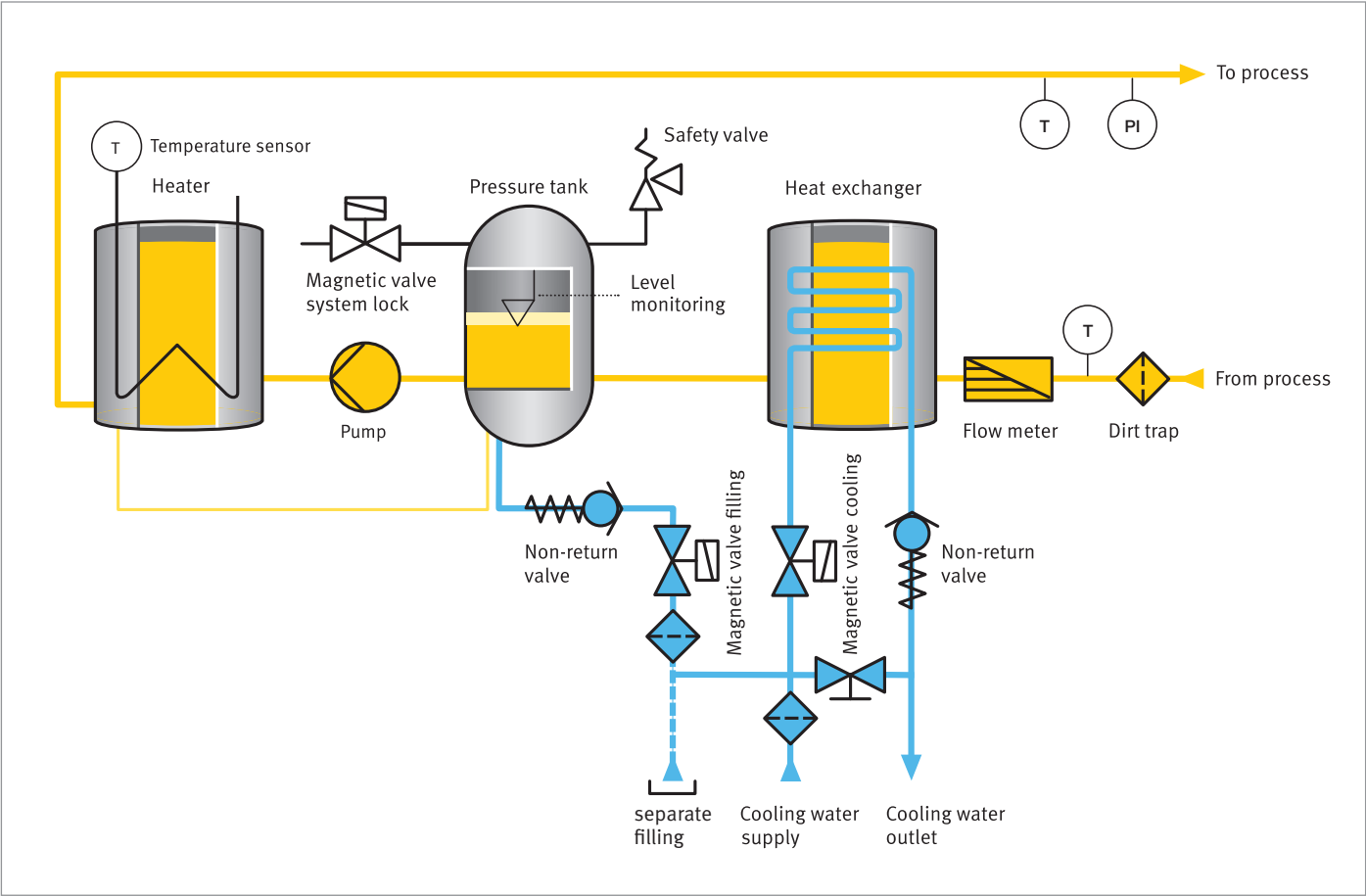
HIGHLIGHTS

- ▶ Smart & cost-effective pressurized-vessel solution for applications up to 160 °C. High efficiency and very low energy losses by full isolation of heating carrying parts and optionally speed controlled pumps.
- ▶ High reliability and availability due to ingenious and robust design using corrosion-free material. IP54 (hydraulic section as well as cabinet) design. Heaters controlled by solid state relais.
- ▶ From 160 °C a robust magnetically coupled pump is available.
- ▶ German-engineered and manufactured.
- ▶ State-of-the-art 3,5" touch controller SBC–T with broad range of optional machine-interfaces.
- ▶ Compact unit offering highest cooling power capability in their class. Robust stainless-steel pressure-vessel-design construction helps reduce corrosion issues caused by regular refills.
- ▶ Available with many features and options. Modularized architecture allows upgrades.

OPTIONEN

- ▶ Flow measuring
- ▶ Reinforced pumps
- ▶ Tool draining by suction or pressurized air
- ▶ Ecotemp
- ▶ Diverse interfaces
- ▶ 7"-touch-controller with many additional features
- ...and many more

Modular Line Water Compact Pressurized



Water Compact						
Structural units		WK-3-90D	WK-3-90	WK-3-150	WK-3-160	WK-3-180
Max. temperature range	°C	90	90	150	160	180
Max. external volume	l	unlimited	36	16	15	11
Heating capacity	kW	3/4.5/6/9	3/4.5/6/9	3/4.5/6/9	3/4.5/6/9	3/4.5/6/9
Type of cooling		directly (via admixture)	indirectly (via heat exchanger)	indirectly (via heat exchanger)	indirectly (via heat exchanger)	indirectly (via heat exchanger)
Cooling capacity (80 °C outlet/15 °C cooling water)	kW	58	50	50	50	50
Max. flow rate	l/min	27/60*	27/60*	27/60*	38/57*	38
Max. pressure (max. values of the characteristic)	bar	5/6*	5/6*	5/6*	5/6*	5
Pump motor capacity	kW	0.5/0.75*	0.5/0.75*	0.5/0.75*	0.5/0.75*	0.5
Connections circulating media	AG	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"
Connections cooling water		IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"	IG 1/2"
Dimensions (without connections)	L	mm	780	780	780	780
	L**	mm	835	835	835	835
	B	mm	305	305	305	305
	H	mm	705	705	705	705
Approximate weight	kg	72-90	72-90	72-90	72-90	72-90

*special pump, **with advanced-package

Subject to technical changes