



Modular Line

Water Compact Tank



- › high-performance temperature control
- › excellent price-performance
- › dependable short delivery times
- › competent advice
- › outstanding services

Typical applications

- › Injection moulding
- › Blow moulding
- › Extrusion
- › Thermoforming
- › Food technology
- › Laboratory & test engineering

Typical materials

- › PP – Polypropylene
- › PS – Polystyrene
- › ABS – Acrylnitrile-Butadiene-Styrene
- › POM – Polyoxymethylene
- › PA – Polyamide



“The Modular Line encompasses flexible temperature control systems for numerous applications. We look forward to support you in sizing and choosing the required technical solution.”

Kai Dengler, Team Leader Engineering

MODULAR LINE UNIT OVERVIEW – WATER COMPACT TANK

Unit	TK	TKN	TKS	TKG	Unit	TK	TKN	TKS	TKG		
Temperature range	°C	90	90	90	90	Max. pressure	bar	3.8	3.9	3.8	4.2
Max. ext. volume	ltr	50	69	159	240	Dimension L	mm	639	739	839	1365
Heating capacity	kW	9	18	36	72	Dimension W	mm	266	276	356	505
Cooling capacity	kW	50	80	116	300	Dimension H	mm	562	772	873	1350
Max. flow rate	ltr/min	40	55	135	233	Weight	kg	50	75	100	200

Product Family
Water Compact Tank

Code for Unit	TK90J	TKN90K	TKS90L	TKG90P
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Product Line "BASE"

Controller	SBC-T			
Made of non-corrosive materials (SS, brass. etc)	•	•	•	–
IP54 (cabinet and hydraulic part of unit)	•	•	•	•
On rollers	•	•	•	•
Level monitoring by mag. float switch	•	•	•	•
Touchscreen controller	•	•	•	•
Heating rods made of Incolloy	•	•	•	•
Automatic filling by magnetic valve	•	•	•	•
Manual filling	•	•	•	•
Dirt trap in from process line and cooling water inlet	•	•	•	•
Tool draining by suction and leak stop	•	•	–	–
CEE-plug	• (16 A)	• (32 A)	o (63 A)	–
Connection for external sensor PT100	•	•	•	•
Preparation for sound, signal connection, 9 pole Sub-D	•	•	•	•
Heating capacity switchable in cabinet	–	–	–	36/72 kW
Interface TTY 20mA on 9-pin or 25-pin SUB-D	o	o	o	o
Interface RS232 or RS485 on 9-pin SUB-D	o	o	o	o

Product Line "PROCESS MONITORING"

Controller	SBC-T plus			
Flow measurement	•	•	•	•
Reinforced pump	• 54 ltr/min 6.0 bar	• 54 ltr/min 6.0 bar	• 135 ltr/min 5.6 bar	• 233 ltr/min 8.4 bar
Tool draining by compressed air	–	–	•	•
Interface TTY 20mA on 9-pin	•	•	•	•
Interface TTY 20mA 25-pin SUB-D (instead of 9 pin Sub-D)	o	o	o	o
Interface RS232 oder RS485 on 9-pin SUB-D (instead of 20mA TTY)	o	o	o	o
Interface Profibus (9-pin SUB-D) or Profinet (RJ45) instead of 20mA TTY	o	o	o	o

Product Line "ENERGY EFFICIENCY"

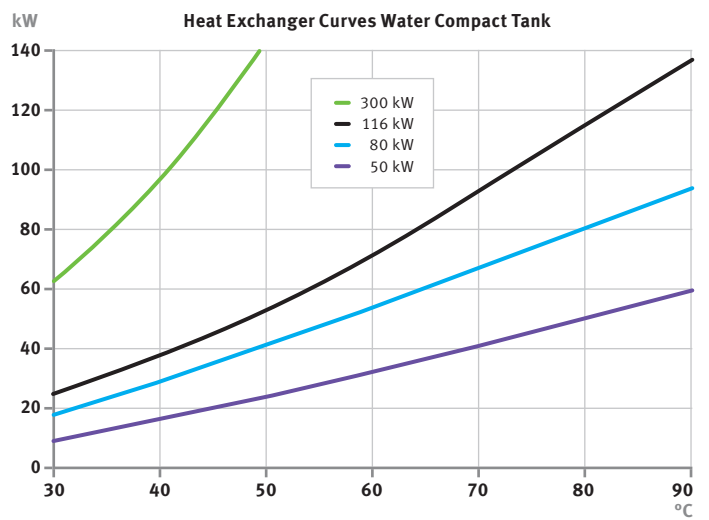
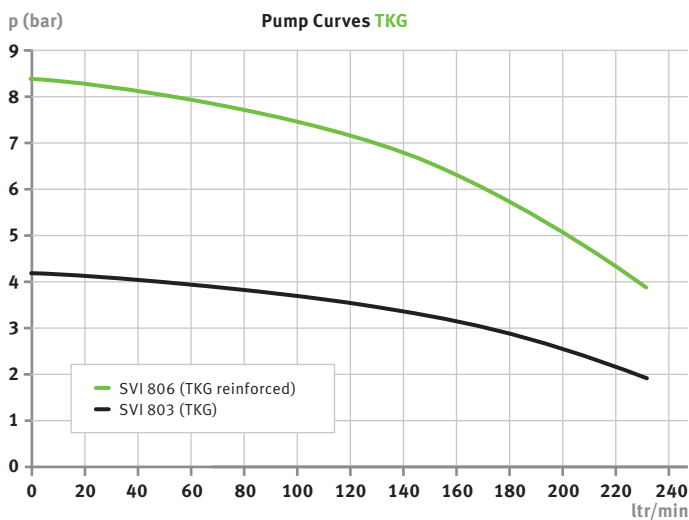
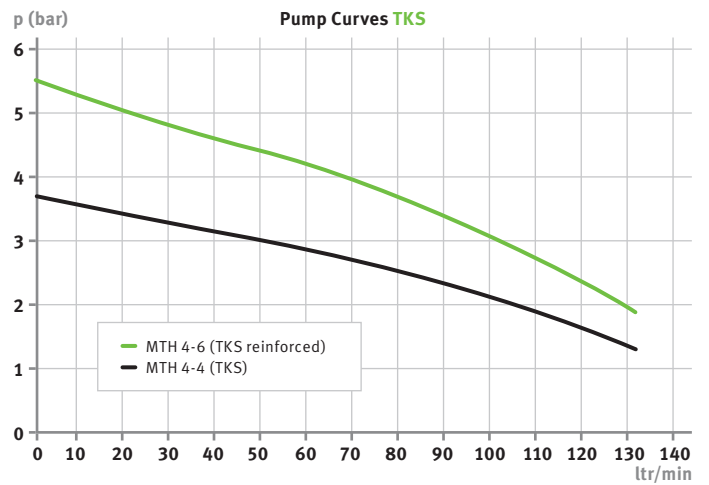
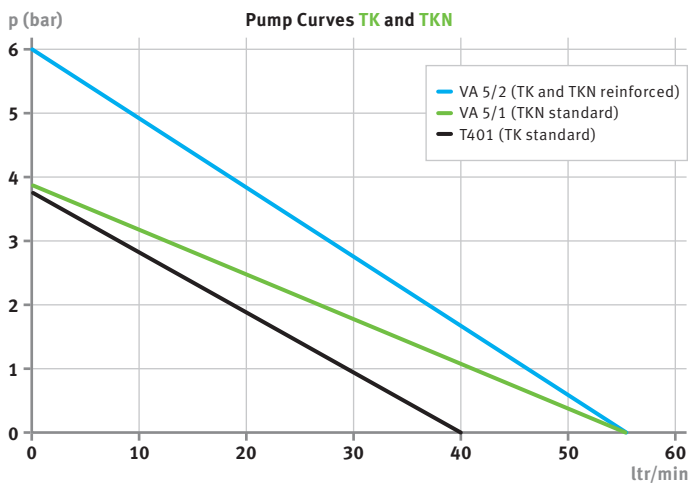
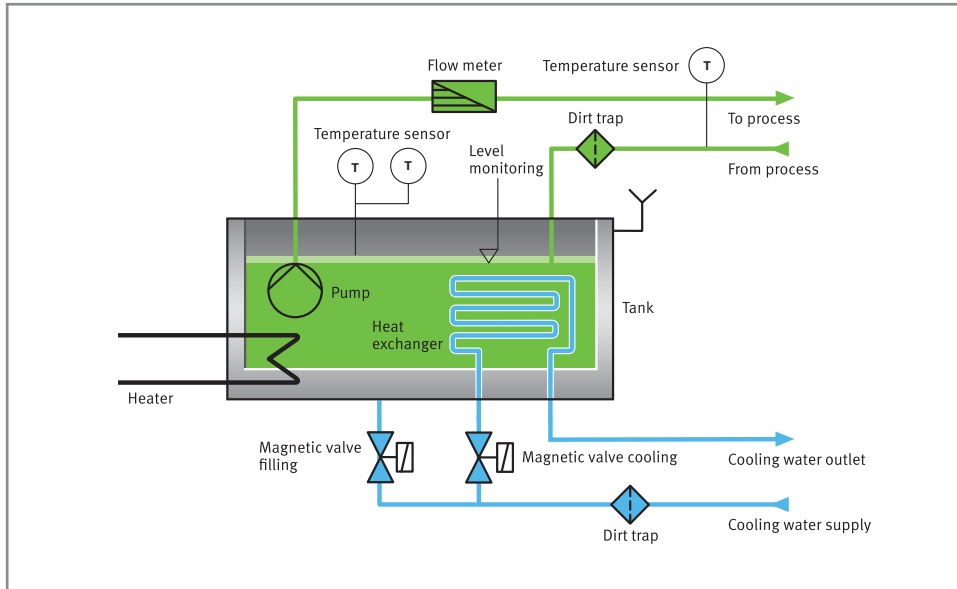
Controller	SBC-T plus			
Frequency Converter	•	•	•	•
Pressure Measurement	•	•	•	•
From process sensor instead of connection for ext. sensor	•	•	•	•

SINGLE Modular Line

Accessories	TK90J	TKN90K	TKS90L	TKG90P
Shut off valves	o	o	o	o
Acoustic signal (Kit with assembly manual; Hole in front door)	o	o	o	o
Plug for any signals	o	o	o	o
63 A plug	–	–	o	–
Hoses	o	o	o	o

• Standard o Optional – Not available

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SERVICES

“Medium” Spare Part Package – contains
(as appropriate and according to system requirement):

- › electrical and hydraulic consumable and expendable parts e.g. seals, dirt traps, mechanical seals for pumps
- › electrical and hydraulic spare parts e.g. sensors, heaters, heat exchangers, fuses, solenoid valves, float switches

“Full” Spare Part Package – contains
(as appropriate and according to system requirement):

- › all items included in the “Medium” spare parts package
- › controller including adapter board
- › pump(s) as used in system



SINGLE Temperiertechnik GmbH

Ostring 17-19
73269 Hochdorf/Germany
Phone: +49 (0)7153/3009-0
Fax: +49 (0)7153/3009-50

www.single-temp.de