



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	Unit	TK	TKN	TKS	Unit	TK	TKN	TKS
Temperature range °C	90	90	90	Max. flow rate l/m	40	55	135	Dimensions L mm	639	739	839
Max. ext. volume l	50	69	159	Max. pressure bar	3.8	3.9	3.8	Dimensions B mm	266	276	356
Heating capacity kW	9	18	36					Dimensions H mm	562	772	873
Cooling capacity kW	50	80	116					Weight kg	50	75	100

Product Family	Water Compact Tank	Water Compact Tank	Water Compact Tank
Code for Unit	TK90J	TKN90K	TKS90L

Product Line „BASE“

Controller	SBC-T	SBC-T	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	•	•	•
Touch screen 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	•	•	•
Interface TTY 20mA on 9-pin or 25-pin SUB-D	o	o	o
Interface RS232 or RS485 on 9-pin SUB-D	o	o	o

Product Line „Process Monitoring“

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

Product Line „Energy Efficiency“

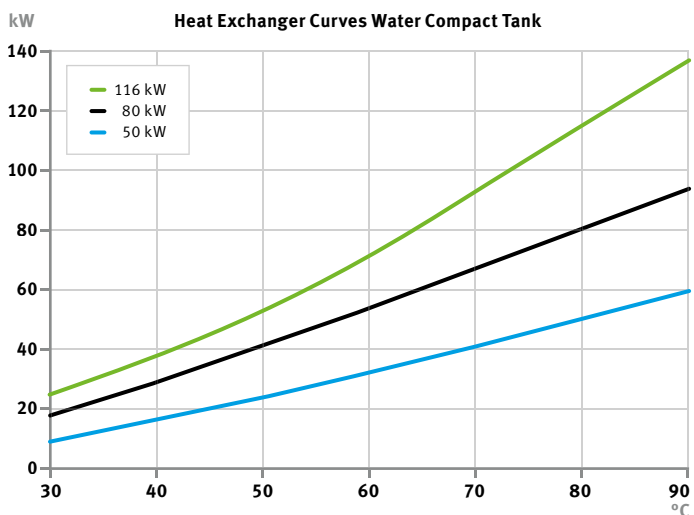
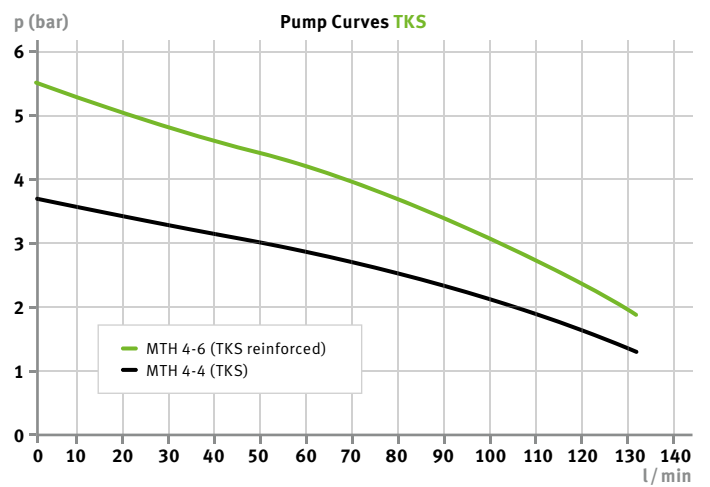
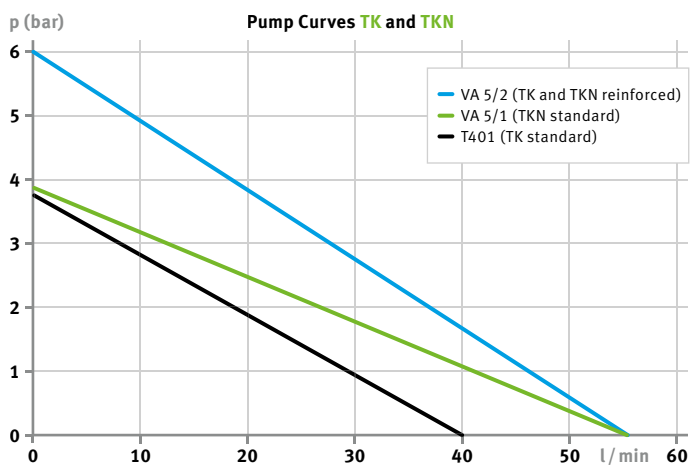
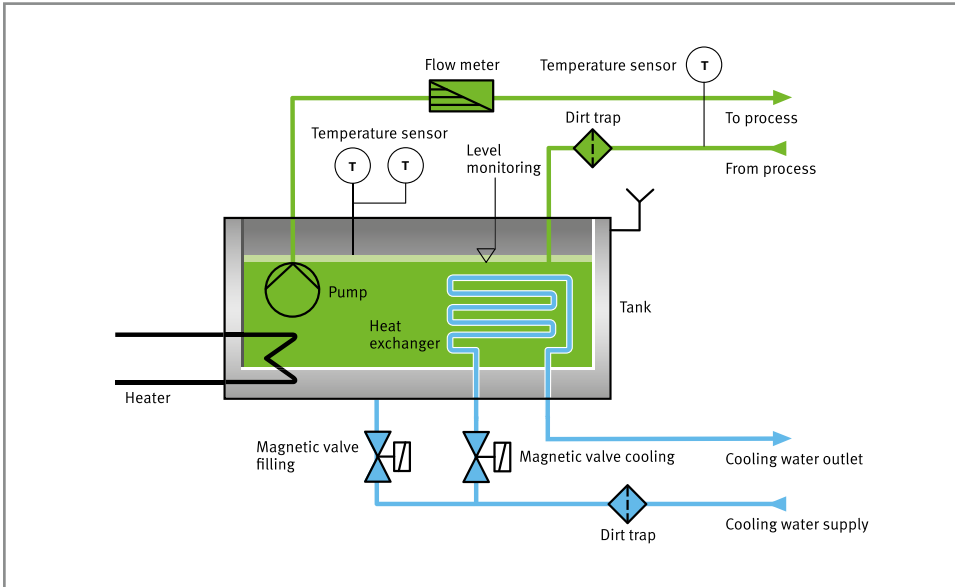
Controller	SBC-T plus	SBC-T plus	SBC-T plus
Frequency Converter	•	•	•
Pressure Measurement	•	•	•
From process sensor instead of connection for ext. sensor (only SBC-T)	•	•	•

SINGLE Modular Line

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

• Standard o Optional – Not available

Modular Line Water Compact Tank



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



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