



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

Typical applications

- › Injection moulding
- › Extrusion
- › Roller temperature control
- › Die casting
- › Compression moulding (composites)
- › Test bench temperature control
- › Tank temperature control

Typical materials

- › PA – Polyamide
- › POM – Polyoxymethylene
- › PET – Polyethylene terephthalate
- › PC – Polycarbonate
- › PBT – Polybutylene terephthalate

“Experienced personnel, competent advice, high-performance temperature control and outstanding services: convince yourself of the new SINGLE spirit.”

Karsten Sauer, CEO



MODULAR LINE UNIT OVERVIEW – WATER ADVANCED

Unit	N1-150	NS-150	SG	H0	H1	H2	Unit	N1-150	NS-150	SG	H0	H1	H2		
Temperature range	°C	150	150	150	200	200	200	Max. pressure	bar	3.9	4.0	4.1	6	8	8
Max. ext. volume	ltr	20	28	44	9	11	35	Dimension L	mm	770	790	1320	755	995	1365
Heating capacity	kW	18	36	48	12	18	36	Dimension W	mm	315	345	395	315	345	505
Cooling capacity	kW	80	116	300	42	42	116	Dimension H	mm	765	945	1180	765	945	1350
Max. flow rate	ltr/min	75	100	240	60	100	200	Weight	kg	100	140	250	95	130	250

Product Family
Water Advanced

Code for Unit	N1150K	NS150L	SG150P	H0200I	H1200I	H2200L
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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	•	•	•	•	•	•
Separate automatic filling with dirt trap	–	–	–	•	•	•
Bypass between from/to process (pump protection)	•	•	•	•	•	•
Automatic temperature dependent system closing	•	•	•	•	•	•
Monitoring of surface temperature of heating rods	•	•	•	•	•	•
Dirt trap in from process line and cooling water inlet	•	•	•	•	•	•
TUV approved safety temperature limiter	–	–	–	•	•	•
CEE-plug	• (16 A)	o (63 A)	–	• (32 A)	o (63 A)	–
Booster pump	–	–	–	•	•	•
Connection for external sensor PT100	•	•	•	•	•	•
Preparation for sound, signal connection, 9 pole Sub-D	•	•	•	•	•	•
Heating capacity switchable in cabinet	–	24/36 kW	24/48 kW	–	–	–
Interface TTY 20mA on 9-pin or 25-pin SUB-D	o	o	o	o	o	o
Interface RS232 or RS485 on 9-pin SUB-D	o	o	o	o	o	o

Product Line "PROCESS MONITORING"

Controller	SCT standard					
Flow measurement	•	•	•	•	•	•
From process sensor	•	•	•	•	•	•
Reinforced pump	• 75 ltr/min 7.5 bar	• 100 ltr/min 7.5 bar	• 260 ltr/min 8.1 bar	–	–	–
Tool draining by compressed air	•	•	•	•	•	•
Filling nozzle with ball valve	•	•	–	–	–	–
Interface TTY 20mA on 9-pin	•	•	•	•	•	•
Interface TTY 20mA 25-pin SUB-D (instead of 9 pin Sub-D)	o	o	o	o	o	o
Interface RS232 oder RS485 on 9-pin SUB-D (instead of 20mA TTY)	o	o	o	o	o	o
Interface Profibus (9-pin SUB-D) or Profinet (RJ45) instead of 20mA TTY	o	o	o	o	o	o

Product Line "ENERGY EFFICIENCY"

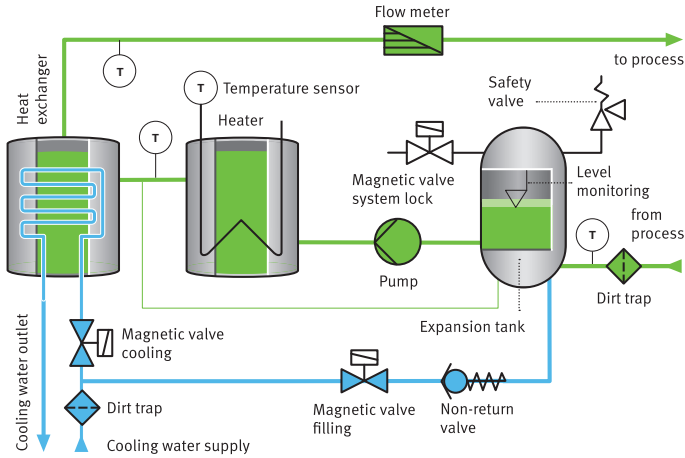
Controller	SCT professional					
Frequency Converter	•	•	•	•	•	•
Pressure Measurement	•	•	•	•	•	•
From process sensor instead of connection for ext. sensor	•	•	•	•	•	•

SINGLE Modular Line

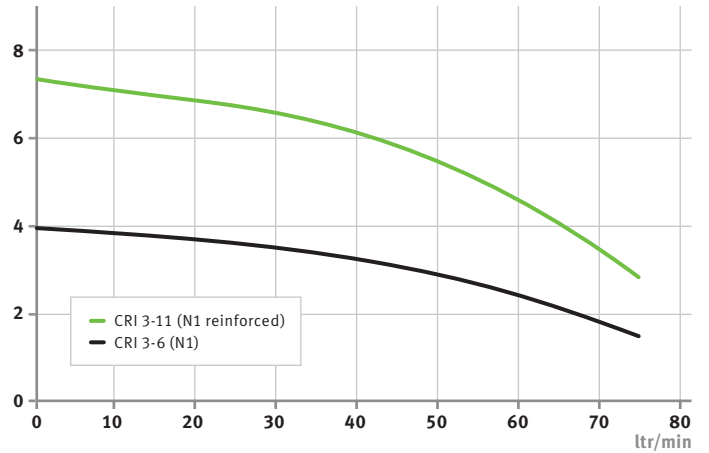
Accessories	N1150K	NS150L	SG150P	H0200I	H1200I	H2200L
Shut off valves	o	o	o	o	o	o
Acoustic signal (Kit with assembly manual; Hole in front door)	o	o	o	o	o	o
Plug for any signals	o	o	o	o	o	o
63 A plug	–	o	–	–	o	–
Hoses	o	o	o	o	o	o

• Standard o Optional – Not available

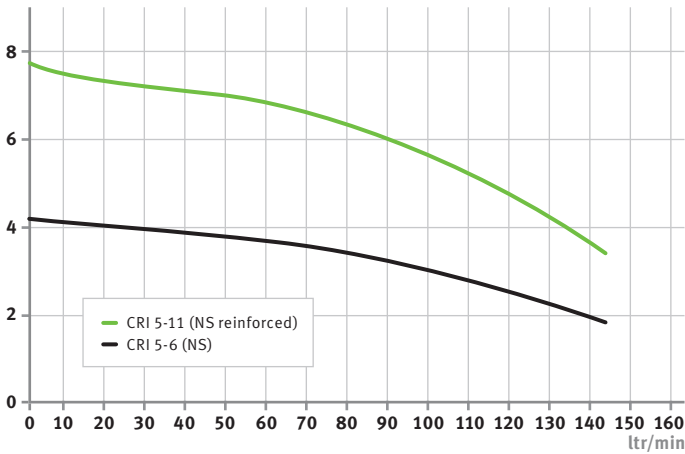
Modular Line Water Advanced



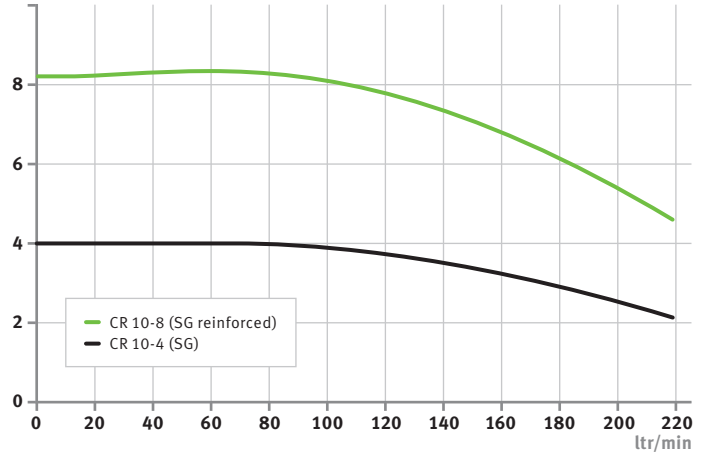
Pump Curves N1



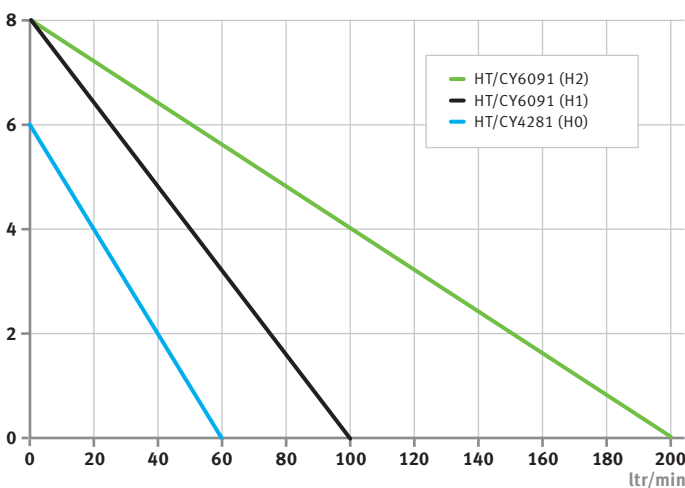
Pump Curves NS



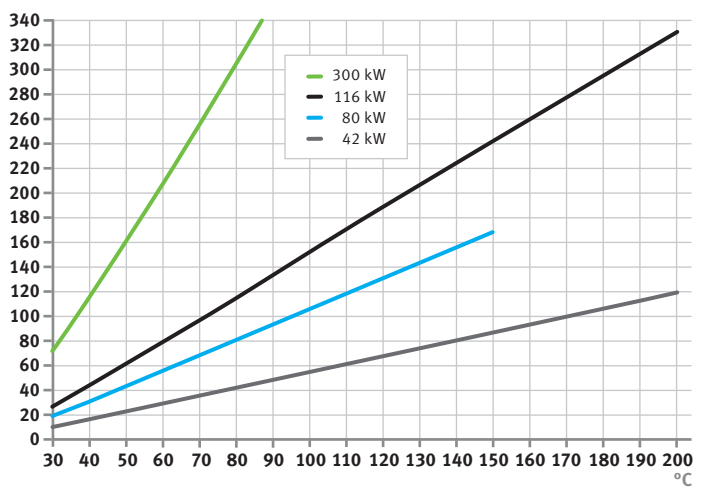
Pump Curves SG



Pump Curves H0, H1, H2



Heat Exchanger Curves Water Advanced



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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