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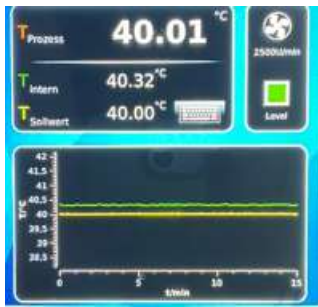
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Temperature control for bioreactors MyFerm / programme extension 886710040S

This programme extension is essential for the realisation of a temperature control of the medium via an external temperature sensor.

Furthermore, the following functions are enabled:

- Programmer
- Ramp function
- Setting of the max. heating/cooling line
- Process data recording on USB stick



Plug-in power supply electrospinning LA-30, -100, -110, -120 106720159

Transformer power supply with lower sensitivity to voltage peaks recommended for use in electrospinning suitable for pumps



Stainless steel manifold combination SON05073

consisting of: 1 stainless steel pipe 600 mm 12 mm A. D., closed on one side, or hose olive, but without taps, with hose connections. alternatively: 1 stainless steel pipe 600 mm 12 mm A. D., closed on one side, or hose olive, with 4 welded-on ball valves ball valves 3/ 8". Price according to design on request



Foot switch 106720105

Suitable for starting and stopping the pump via the TTL input.



Temperature control PT100 106773203

The power control can be controlled with a PT-100 sensor in the interior. The sensor is inserted into the sample from above. The height of the sensor can be easily adjusted to set and remove the sample vessel and to position it. The option can only be ordered with a new unit. Retrofitting by the user is not possible.

Scope of delivery:

- Temperature control unit
- Temperature control range 0-100°C
- PT 100 sensor stainless steel 3 mm
- Feed-through for probe in microwave unit, top centre
- recommended for use with magnetic stirrer



Valve control box for LA-xx pumps 106720117

Up to 2 valves can be opened or closed depending on the pump direction.

Incl. power supply for valves 12V DC
Valves **are not included in the scope of delivery.**



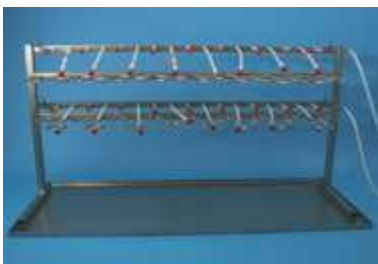
Adapter for syringe holder 200 ml for syringe pump LA-30, LA-100 and LA-110 106720179

The holder is used to fix the syringe in the syringe pump, as the standard holder cannot hold syringes of this diameter.



Tripod with clamp (accessories steam generator 2000 and 4000) L140203112

Stable H-stand base made of square tube with height adjustment screw.
Stainless steel version, accessory for steam generators 136721101 and 136721111.



Temperature control unit with hose connection of 17 separating funnels 51816001t

For attachment to stand system. 17 Inlet connections 17 Connections for drain Separating funnel connected in parallel.



Network cable for connecting LA-XX pumps 106720102

Connect several pumps together to control them from the PC via the same interface.



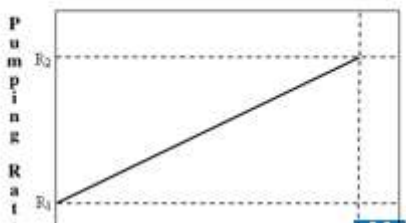
PC connection cable for LA-XXX pumps, 2 m 106720101

for connecting the pumps to the serial interface of a PC

Length: 2 m

Terminal 1: Pump RJ

Terminal 2: RS232 female 9 pole



Extended programme functions for LA-XX

[106720103](#)

Extended programme functions for LA-XX

Pumps equipped with this chipset have the following additional functionality: - Programming of time gradients - Formation of linear concentration gradients (2 pumps required) - Improved pumping functionality when used as a continuous

[106720203](#)

Extended programme functions for LA-XX

Pumps equipped with this chipset have the following additional functionality: - Programming of time gradients - Formation of linear concentration gradients (2 pumps required) - Improved pumping functionality when used as a continuous



Sound absorbing bonnet for rapping density apparatus L5293307S

This sound-absorbing bonnet reduces the noise level of the knock density unit from 80dB(A) to 58 dB(A).



**Heat shield frame, "S" protective shield for magnetic stirrer
L14023204S**

This frame is used to reduce heat radiation from the hot vessel and protects the magnetic stirrer. The maximum permissible temperature of the stirrer is 50 degrees Celsius. The "cooling frame" or "heat shield" prevents direct contact and heat transfer. It is made of stainless steel and is designed to reduce heat radiation and the temperature load on the stirrer. This also allows vessels to be operated at temperatures up to +80 degrees Celsius without damaging the stirrer. The large footprint of approximately 250 x 250 mm also allows vessels up to 20 liters

(L14023020) to stand securely. This option is a cost-effective alternative for medium temperature ranges.

Note:

High-temperature magnetic stirrers "L1402320*H" are approved for temperatures up to +200 degrees Celsius.



Device holder for 2 valves 106720158

Fixation of 2 valves in an open U format.

Material: ABS white

Accessories: fixing screws



Pinch valve for Pharmed tubing 1.6*3.2 mm, shuttle valve 106720143

Working range up to approx. 1.5 bar

2/3 valve normally closed

Hose material: Pharmed BPT

Power supply 12 VDC,

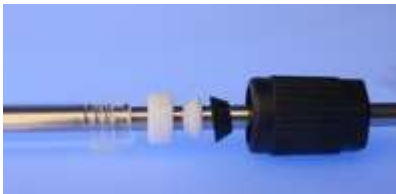
power: 4.4 W

Note: Both hoses must be inserted, even if only one hose is to be used



Base plate for 6 pump heads

106723434	Base plate for 6 pump heads Enables flawless operation when using 6 pump heads of type YZ15A/B, YZ25A/B, KZ25A or BZ.
106723435	Base plate for 8 pump heads Enables flawless operation when using 8 pump heads of type YZ15A/B, YZ25A/B, KZ25A or BZ.



Screw connection with hole cap made of PPS, GL 18, outer diameter 6 mm 886762954

Used for connecting glass threads to PTFE hoses and plastic, glass, and metal tubes. These couplings are also used to secure sensors, probes, laboratory taps, immersion tubes, thermometers, and cable entries.

Feedthrough: GL 18.

Outer diameter: 6.0 mm.

Nut made of PPS, glass fiber reinforced (max. +250°C)

. Three-piece seal set.

The flowing medium only comes into contact with PTFE.

Pressure-resistant up to approx. 10 bar.



Tripod mount for stirring motors MyFerm tripod system L14020267

This robust and high-quality stand clamp is used to securely attach stirrer motors to stand rods with a diameter of 26 mm.

It ensures easy operation and secure support.

Accessory for:

Stand series: L140203*

Suitable for:

Stirrer motors: L1402026*



Adapter for syringe holder 200 ml for syringe pump LA-30, LA-100 and LA-110 106720178

The holder is used to fix the syringe in the syringe pump, since the standard holder cannot hold syringes of this diameter.



Closure arm for bulk density apparatus DIN ISO 60 (alternatively optional) 53468025

Closure arm for bulk density apparatus DIN ISO 60 (alternatively or optionally)

Alternatively/optionally, the apparatus for determining bulk density according to DIN EN ISO 60 (Art. 5346800) can be equipped with this closure arm.

It releases the outlet of the funnel by slightly sliding it sideways.

This allows for effective and particularly fast opening of the funnel. This can be particularly advantageous for very fine-grained, abrasive, and sharp-edged sample materials (e.g., sand, molding sand, abrasives).

The closure arm is firmly attached to the apparatus via the support rod. The supplied spacer sleeve ensures the filling height defined in the standard.

Consisting of:

- Closure arm as a twist-lock closure
- Spacer sleeve



Magnetic stirring tool for MyFerm III L14023210

Consisting of:

Screw cap with shaft holder

2 GL 14

connections 2 GL 18 connections

1 stainless steel shaft with PEEK screw connection

The variable stirrer shaft is specially designed for use in MyFerm III (IV) stirred reactors. The magnetic stirrer is held both from the top and in the middle of the vessel, which enables safe and reproducible mixing. Your cells cannot be crushed between the magnetic stirrer tool and the vessel bottom.

The stirring element is replaceable and can be used at 400 - 500 revolutions per minute.

In addition, the entire set is autoclavable, which makes cleaning and sterilization easier.

Example applications: Mixing liquids, dissolving solids, fermentation processes.

Necessary selection (stirring tool)

Anchor-shaped: L14023210A

Wing-shaped: L14023210B

Optional accessories:

L140230* MyFerm vessels

L14023110 Exhaust air filter

L140231201 Lifting tube

L14023203 Magnetic stirrer



Automation of process flows sweepme

The LA-XX series pumps are supported by the Sweepme software. More information can be found on the manufacturer's website. The device driver can be downloaded [here](#):

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