

Центробежные насосы

Описание

По вопросам продаж и поддержки обращайтесь:

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Centrifugal Pump

The centrifugal pump is specifically designed for pumping blood and/or erythrocyte suspension solutions in the physiological or pharmacological laboratory.

A complete setup consists of the digital pump drive with centrifugal head mounting plate (73-5157) and a centrifugal pump head (73-5173). The pump head is hermetically sealed. Flow rates are up to 10 L/min. The perfusion circuit resistance will limit the flow rate that can be achieved. See the pressure flow graph for more details. A priming circuit is supplied with the pump along with an instruction manual for care and use. The pump can be coupled with an Pressure Transducer, Transducer Amplifier, Pump Controller, housing and Controller Connection Cable to perform constant pressure perfusion. refer to the details section for the list of parts required. Please contact us for assistance configuring your perfusion setup.

Item No.	Description
73-5157	Centrifugal PUMP DRIVE, 110V – 240 VAC
73-5173	CENTRIFUGAL PUMP HEAD AP40
72-4621	Tygon [®] E-3603 Tubing, 15.2 m (50 ft) Length, 9.5 mm (3/8 in) ID, 12.7 mm (1/2 in) OD
73-4759	CONNECTION CABLE SCP to 25 PIN D-SUB (DB-25) FOR MFLX L/S, L/S DIGITAL, REGLO and HSE CENTRIFUGAL PUMP DRIVES



DETAILS

The centrifugal pump is specifically designed for pumping blood and/or erythrocyte suspension solutions in the physiological or pharmacological laboratory.

A complete setup consists of the digital pump drive with centrifugal head mounting plate (73-5157) and a centrifugal pump head (73-5173). The pump head is hermetically sealed. Flow rates are up to 10 L/min. The perfusion circuit resistance will limit the flow rate that can be achieved. See the pressure flow graph for more details. A priming circuit is supplied with the pump along with an instruction manual for care and use. The pump can be coupled with an Pressure Transducer, Transducer Amplifier, Pump Controller, housing and Controller Connection Cable to perform constant pressure perfusion. Please contact us for assistance configuring your perfusion setup.

The drive is very robust and suitable for continuous speed selection operation.

The HSE/HA Large Centrifugal Pump can be outfitted to perform constant pressure perfusion using the following items. Please contact us for assistance.

Constant Perfusion Pressure Option

73-3862	APT300 Pressure Transducer for PLUGSYS Modules (73-0065, 73-1793) or CTA Compact Transducer Amplifier (73-4457)
73-3869	Holder for APT300 Transducer, 8 mm Rod, Length 75 mm
73-0500	Lab Stand with Triangular Base Plate, 30 cm Rod Length (one block clamp included)
73-4479	Manual Pressure Calibrator, Range 0-300 mmHg
73-1793	Transducer Amplifier Module (TAM-D)
73-2806	PLUGSYS Servo Controller for Perfusion (SCP)
Plus one of three amplifier cases below	
73-1523	PLUGSYS Case, Type 609
73-1521	PLUGSYS Case, Type 601
73-0045	PLUGSYS Case, Type 603

SPECIFICATIONS

Technical data

- Speed range: 36 – 3600 rpm
- Flow rate and pressure: depending on pump head (see diagram chapter 6.1)
- External control: via analogue interface 0...10V or 0...5V
- Supply: wide range power supply 115 V – 230 V (50/60 Hz)
- Fuses: 1 x 3.15 A T (slow blow)
- Operating conditions: normal laboratory environment temperature +5 to +40°C rel. humidity 80% max.
- Dimensions (drive): 10.5 in × 8 in × 8 in (267 × 203 × 203 mm)
- Weight: 15.5 lb (7.0 kg)
- Enclosure Rating: IP 33 per IEC 60529
- CE conformity:
 - Conforms to ANSI/UL Std 61010-1

Certified to CAN/CSA Std C22.2 No. 61010-1.

This product has been tested to the requirements of CAN/CSA-C22.2 No. 61010-1, second edition, including Amendment 1, or a later version of the same standard incorporating the same level of testing requirements.

(For CE Mark): EN61010-1 (EU Low Voltage Directive) and EN61326 (EU EMC Directive)

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