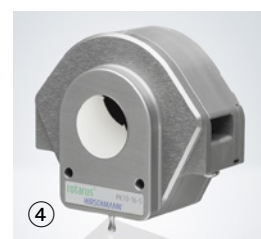
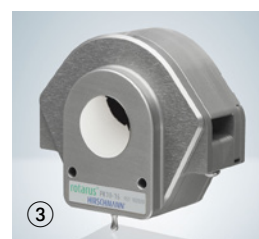


rotarus® pumps

The portfolio of different motors, housings of various protection classes, and intelligent control of the conveyed volumes offers the choice from a consistently designed product family which covers a wide range of applications in laboratory and industry. Motors with 50 and 100 Watt ensure accurate conveyance in speed ranges of 0.2 to 500 revolutions per minute, allowing for exact dosing of highly viscous substances. For pump head and hose detection, RFID technology is used. The setting data for basic parameters can likewise be stored and called up again in this way. The variants rotarus® flow and rotarus® volume are equipped with functions for automatic clogging detection and leakage monitoring for the hose.



Type	Version	Speed 1/min	Resolution 1/min	Safety class	Order No.
① standard 50	white powder-coated	0.2–100	0.1	IP 54	10 37 01322
standard 50i	stainless steel	0.2–100	0.1	IP 65	10 37 01324
standard 100	white powder-coated	5–500	0.1	IP 54	10 37 01522
standard 100i	stainless steel	5–500	0.1	IP 65	10 37 01524
flow 50	white powder-coated	0.2–100	0.1	IP 54	10 37 01343
flow 50i	stainless steel	0.2–100	0.1	IP 65	10 37 01344
flow 100	white powder-coated	5–500	0.1	IP 54	10 37 01542
flow 100i	stainless steel	5–500	0.1	IP 65	10 37 01544
volume 50	white powder-coated	0.2–100	0.1	IP 54	10 37 01362
volume 50i	stainless steel	0.2–100	0.1	IP 65	10 37 01364
volume 100	white powder-coated	5–500	0.1	IP 54	10 37 01562
volume 100i	stainless steel	5–500	0.1	IP 65	10 37 01564

② rotarus® smart

rotarus® smart rounds off the selection of rotarus® pump drives in the basic segment. The control panel on the housing enables simple and rapid configuration of the most important parameters, and the speed can be programmed directly on the unit. Thanks to its small footprint, rotarus® smart can be easily integrated in an existing laboratory environment or production system.

Items supplied:

rotarus®, external power pack, connection cable for EU, UK, US

Technical data:	rotarus® smart 30	rotarus® smart 40
Flow rate range (depending on pump head):	3.79 – 4200 ml/min	10 – 2300 ml/min
Speed setting:	0.1 rpm (steps)	
Max. power consumption:	100 W	
Protection class:	IP43	
Weight:	4.4 kg	4.7 kg
Dimensions (D×W×H):	190 × 83 × 220 mm	225 × 83 × 220 mm
Power supply:	100 – 240 VAC; 50 – 60 Hz	

Article	Power rating W	Speed range 1/min	Order No.
rotarus® smart 30	30 W	10 – 350	10 37 01132
rotarus® smart 40	40 W	3 – 200	10 37 01232

rotarus® pump heads

The rotarus® program comprises a wide selection of single-channel and multi-channel pump heads. The connection technology of the pump heads has been optimized for quick handling. Quick and easy change of heads, single-handedly and without tools. With adapter for unproblematic use of pump heads by other manufacturers. The rotarus® single-channel pump heads can be cascaded easily: Several single-channel pump heads can be stacked on top of each other and operated with a rotarus® pump.

Type	Ducts	Quantity rollers	Gears	Order No.
③ rotarus® PK 10-16-3	1-channel, WS 1.6	3	—	10 37 02020
④ rotarus® PK 10-16-5	1-channel, WS 1.6	5	—	10 37 02022
rotarus® PK 10-24-3	1-channel, WS 2.4	3	—	10 37 02021
rotarus® MKF 4-8	4-channel	8	—	10 37 08020
⑤ rotarus® MKF 8-4	8-channel	4	—	10 37 08021
rotarus® MKF 12-8	12-channel	8	5:1	10 37 08022

Individual accessories on request.

rotarus® peristaltic pump heads 1-channel

Favourably priced pump head made of durable PPS plastic for continuous delivery or precise dosing of target volumes. Pump head can be unlocked for easy insertion of the hose. For connection to the Hirschmann rotarus® drives, one of the two PKF-60 adapter kits is required.

Type	Ducts	Quantity rollers	Tubing	Order No.
⑥ rotarus® PKF 60-16-3	1	3	WT 1.6 mm	10 37 06060
⑦ rotarus® PKF 60-24-3	1	3	WT 2.4 mm	10 37 06061

rotarus® peristaltic pump heads multichannel

Pump head made of durable PPS plastic for continuous delivery or precise dosing of target volumes, with sturdy hose cassettes with screws for precise adjustment of the delivery rate. For connection to the Hirschmann rotarus® drives, one of the two PKF-60 adapter kits is required.

Type	Ducts	Quantity rollers	Tubing	Order No.
⑧ rotarus® MKF 60-2-8	2	8	stopper tubing	10 37 08062
⑨ rotarus® MKF 60-4-8	4	8	stopper tubing	10 37 08063
⑩ rotarus® MKF 60-8-8	8	8	stopper tubing	10 37 08064



rotarus® peristaltic pump heads multichannel

New type of pump head made of durable PPS plastic for continuous delivery or precise dosing of target volumes, with sturdy hose cassettes and integrated hose lock as well as fixed distance between rollers and hose bed; for use with standard upmp hoses without stopper in a multi-channel pump head. For connection to the Hirschmann rotarus® drives, one of the two PKF-60 adapter kits is required.

Type	Ducts	Quantity rollers	Tubing	Order No.
⑪ rotarus® MKF 60-16-2-4	2	4	WT 1.6 mm	10 37 08565
⑫ rotarus® MKF 60-16-2-4	4	4	WT 1.6 mm	10 37 08566



Adapter sets

Article	Order No.
⑬ rotarus® adapter set PKF 60 for Hirschmann drives	10 37 31660
⑭ rotarus® adapter set PKF 60 for Hirschmann drives with RFID function	10 37 31661
⑮ rotarus® adapter set MKF 60 for Hirschmann drives	10 37 31665
⑯ rotarus® adapter set MKF 60 for Hirschmann drives with RFID function	10 37 31666



rotarus® smart 30 peristaltic pump set

Precise delivery pump with favourably priced pump head made of durable PPS plastic; for easy insertion of the hose by unlocking the pump head, or for use with sturdy hose cassettes and screw for fine adjustment of the delivery in the multi-channel head. Ideal for delivery of low-viscosity media. The speed and the main parameters can be set at a TFT touchscreen directly on the housing.

Housing: white

Motor type: DC motor

Comprised in the scope of delivery: rotarus® smart 30 pump with pump head and matching adapter set, power pack with EU, UK, US adapter, and sensor interface.

Article	Speed range rpm	Protection type	Order No.
⑰ rotarus® smart 30 with pump head PKF 60-16-3	10 – 350	IP 43	10 37 13260
⑱ rotarus® smart 30 with pump head MKF 60-4-8	11 – 350	IP 44	10 37 13262



rotarus® smart 40 peristaltic pump set

Precise delivery pump with favourably priced pump head made of durable PPS plastic; for easy insertion of the hose by unlocking the pump head, or for use with sturdy hose cassettes and screw for fine adjustment of the delivery in the multi-channel head. Ideal also for delivery of higher-viscosity media. The speed and the main parameters can be set at a TFT touchscreen directly on the housing.

Housing: white

Motor type: DC motor

Comprised in the scope of delivery: rotarus® smart 40 pump with pump head and matching adapter set, power pack with EU, UK, US adapter, and sensor interface.

Article	Speed range rpm	Protection type	Order No.
⑲ rotarus® smart 40 with pump head PKF 60-24-3	3 – 200	IP 43	10 37 23261



rotarus® accessories

Extensive range of specifically developed accessories for maximum adaptability.

Article	Order No.
⑳ rotarus® pedal switch Keeps both hands free for more freedom of action	10 37 31120
㉑ rotarus® mouse For extremely sensitive dosing of substances	10 37 31121
㉒ rotarus® system platform Non-skid utility space for the rotarus operating module with cable guide	10 37 31161
㉓ rotarus® control unit holder For placement of the operating module on the rotarus	10 37 31162
㉔ rotarus® stacking sid For stacking 2 or more rotarus units	10 37 31163
㉕ rotarus® stand holder For use with a stand holder	10 37 31170
rotarus® KFS, cassette small	10 37 31220
rotarus® KFS, cassette medium	10 37 31221
Adapter plate for MASTERFLEX pump heads	10 37 31250
Adapter plate for ISMATEC pump heads	10 37 31251
rotarus® data power cabel, 2 m For connection of the units with the serial interface (9-pole)	10 37 31142
rotarus® data power cabel, 5 m For connection of the units with the serial interface (9-pole)	10 37 31143
rotarus® data power cabel, 10 m For connection of the units with the serial interface (9-pole)	10 37 31144
rotarus® RS232 cabel, 2 m	10 37 31145
rotarus® USB cabel For connection of the units with the USB interface of the PC	10 37 31146
rotarus® control cable, 2 m, 3-pole	10 37 31147
rotarus® control cable analog, 2 m, 5-pole	10 37 31148
Screw-on set cascading, for 2 single-channel pump heads	10 37 31222
Screw-on set cascading, for 3 single-channel pump heads	10 37 31223

Tubes (selection)

Exclusive Hirschmann product with integrated tag for automatic hose detection by means of RFID technology. Saves time and prevents errors in every work. Many other hose sizes and materials available.

Type	Inner Ø mm	Wall thickness mm	Length m	PU pc	Order No.
Pharmed BPT 2 Stopper 104	1.42	0.86	0.38	6	10 37 13717
Pharmed BPT	8.0	1.6	7,5		10 37 13017
Tygon 3350 2 Stopper 104	2.79	0.86	0.38	6	10 37 17725
Tygon 3350	3.2	1.6	15		10 37 17013
Tygon 3350	9.5	2.4	15		10 37 17038

