

Series	rotarus® smart		rotarus® standard		rotarus® flow		rotarus® volume		rotarus® fast
	30	40	50	100	50	100	50	100	80
Characteristics									
Flow rate range* Pumphead single channel *depending on the pump head / tube used	3.8 – 4,250 ml/min	1.1 – 3,000 ml/min	0.08 – 1,500 ml/min	1.9 – 5,400 ml/min	0.08 – 1,500 ml/min	1.9 – 5,400 ml/min	0.08 – 1,500 ml/min	1.9 – 5,400 ml/min	20 – 4,960 ml/min
Flow rate range* Pumphead multichannel *depending on the pump head / tube used	0.0075 – 160 ml/min	0.0022 – 91,4 ml/min	0.0001 – 45 ml/min	0.0036 – 228 ml/min	0.0001 – 45 ml/min	0.0036 – 228 ml/min	0.0001 – 45 ml/min	0.0036 – 228 ml/min	0.039 – 228 ml/min
Flow rate range* Piston pumphead *depending on the pump head used	0.025 – 448 ml/min	0.008 – 256 ml/min	0.0005 – 128 ml/min	0.0125 – 640 ml/min	0.0005 – 128 ml/min	0.0125 – 640 ml/min	0.0005 – 128 ml/min	0.0125 – 640 ml/min	0.125 – 2,304 ml/min
Changeable pump heads	Yes		Yes		Yes		Yes		Yes
Channels (Depending on the pump head type used)	1 – 12		1 – 12		1 – 12		1 – 12		1 – 12
Range of speed	10 – 350 1/min	3 – 200 1/min	0.2 – 100 1/min	5 – 500 1/min	0.2 – 100 1/min	5 – 500 1/min	0.2 – 100 1/min	5 – 500 1/min	50 – 3,100 1/min
Operation	TFT touchscreen		TFT touchscreen		TFT touchscreen		TFT touchscreen		TFT touchscreen
External control module	No		No		Yes		Yes		Yes
Program memory	No		No		20		20		20
Pin function	No		No		Yes		Yes		Yes
Operation modes									
Pumps according to speed	Yes		Yes		Yes		Yes		Yes
Pumps according to flow rate	No		Yes		Yes		Yes		Yes
Dispensing according to volume	No		No		No		Yes		Yes
Dispensing according to time	No		No		No		Yes		Yes
Dispensing according to volume in time	No		No		No		Yes		Yes
Cycle dispensing	No		No		No		Yes		Yes
Pump direction change	Yes		Yes		Yes		Yes		Yes
Calibration function	No		No		Yes		Yes		Yes
User-defined units	No		No		Yes		Yes		Yes
Speed control	Load-independent		Load-independent		Load-independent		Load-independent		Load-independent
Speed configuration	TFT touchscreen		TFT touchscreen		TFT touchscreen		TFT touchscreen		TFT touchscreen
Speed configuration (increments) 1/min	0.1		0.1		0.1		0.1		0.1

*Indicated flow rates are approximate values measured with water, at 0 meters suction lift and free outlet.

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Special functions									
Tube leakage monitoring (> 30 1/min)	No		No		Yes		Yes		Yes
Blockage detection (> 30 1/min)	No		No		Yes		Yes		Yes
Pump head detection	No		No		Yes		Yes		Yes
Tube detection	No		No		Yes		Yes		Yes
Stackable	Yes		Yes		Yes		Yes		Yes
Usable on stand	No		Yes		Yes		Yes		Yes
Drop-free dispensing	No		No		No		Yes		Yes
System assignment	No		No		Yes		Yes		Yes
Soft start	No		No		Yes		Yes		Yes
Tube service life monitoring	No		No		Yes		Yes		Yes
Configurable	Via menu		Via menu		Via menu		Via menu		Via menu
Interfaces									
RS232 interfaces	No		No		Yes		Yes		Yes
USB interface	No		No		Yes		Yes		Yes
Analog input for speed specification	No		Yes		Yes		Yes		Yes
Analog output for speed	No		Yes		Yes		Yes		Yes
Digital input Start/Stop; rotation direction	Yes		Yes		Yes		Yes		Yes
Selectable digital output	Yes		Yes		Yes		Yes		Yes
General data									
Housing	Version 30/40/50/80/100 Version 50i/80i/100i		powder coated		powder coated Stainless steel (1.4541)		powder coated Stainless steel (1.4541)		powder coated Stainless steel (1.4541)
Protection class	Version powder coated Version Stainless steel		IP43		IP 54 IP65		IP54 IP65		IP54 IP65
Motor capacity in Watt	30	40	50	85	50	85	50	85	85
Max. power consumption	100 VA		60 VA	150 VA	60 VA	150 VA	60 VA	150 VA	150 VA
Power supply	100 – 240 VAC		100 – 240 VAC		100 – 240 VAC		100 – 240 VAC		100 – 240 VAC
Continuous mode	Yes		Yes		Yes		Yes		Yes
Standards	CE		CE		CE		CE		CE
Depth/width/height in mm	190/83/220	225/83/220	205/100/220	270/100/220	205/100/220	270/100/220	205/100/220	270/100/220	270/100/220
Weight in kg	4.4		7.3	9.8	7.3	10.1	7.3	10.1	10.1