

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	