

Technical specifications

Model		PD 5001	PD 5006	PD 5101	PD 5106	PD 5201	PD 5206
P/N (230 V)		523-50010-00	523-50060-00	523-51010-00	523-51060-00	523-52010-00	523-52060-00
P/N (230 V)		523-50013-00		523-51013-00		523-52013-00	
incl. multi-channel adaptor							
Electronic motor control		condenser motor	condenser motor	DC-motor	DC-motor	DC-motor	DC-motor
Flow rates							
single channel pumps (ml)		0.7 - 729	3.3 - 3,644	0.3 - 729	1.6 - 3,644	0.3 - 729	1.6 - 3,644
Flow rates							
multi-channel pumps (ml)		0.01 - 336		0.005 - 336		0.005 - 336	
Flow rate accuracy * (%)		± 5	± 5	± 3.5	± 3.5	± 1	± 2
Speed range (rpm)		10 - 120	50 - 600	5 - 120	24 - 600	5 - 120	24 - 600
Speed setting		scale	scale	scale	scale	digital	digital
Electronic speed control		analog	analog	digital	digital	digital	digital
Control accuracy motor (%)		± 2	± 2	± 0.5	± 0.5	± 0.5	± 0.5
Select direction of rotation		CW / CCW	CW / CCW	CW / CCW	CW / CCW	CW / CCW	CW / CCW
Motor power (W)		71	71	100	100	100	100
Supply power (W)		150	150	140	140	140	140
Analog interface				for speed 0 - 10 V/4 - 20 mA direct. of rotation start/stop	for speed 0 - 10 V/4 - 20 mA direct. of rotation start/stop	for speed 0 - 10 V/4 - 20 mA direct. of rotation start/stop	for speed 0 - 10 V/4 - 20 mA direct. of rotation start/stop
Digital interface						RS 232	RS 232
Flow rate indicator						digital	digital
Volume dosing ** (ml)						0.1 - 9,999	0.1 - 9,999
Interval dosing ** (ml)						0.1 - 9,999 in breaks 0.1 sec - 750 h	0.1 - 9,999 in breaks 0.1 sec - 750 h
Smooth start						yes	yes
Electronic brake						yes	yes
Foot-switch connection				yes	yes	yes	yes
Software						available	available
Operation time (per day)		24 hr	24 hr	24 hr	24 hr	24 hr	24 hr
Safety feature		overheat protection	overheat protection	electr. current limiter and overheat protection	electr. current limiter and overheat protection	electr. current limiter and overheat protection	electr. current limiter and overheat protection
Weight (kg)		6.8	6.2	8.2	7.6	8.3	7.7
Protection class (DIN EN 60529)		IP 30	IP 30	IP 55	IP 55	IP 55	IP 55
Permissible ambient temperature (°C)		0 - 40 °C at 80 % rel. humidity	0 - 40 °C at 80 % rel. humidity	0 - 40 °C at 80 % rel. humidity	0 - 40 °C at 80 % rel. humidity	0 - 40 °C at 80 % rel. humidity	0 - 40 °C at 80 % rel. humidity
Dimensions (WxDxH) (mm)		166 x 256 x 225	166 x 256 x 225	166 x 256 x 225	166 x 256 x 225	166 x 256 x 225	166 x 256 x 225
Supply voltage ***		230 V / 50/60 Hz 115 V / 60 Hz	230 V / 50/60 Hz 115 V / 60 Hz	230 V / 50/60 Hz 115 V / 60 Hz	230 V / 50/60 Hz 115 V / 60 Hz	230 V / 50/60 Hz 115 V / 60 Hz	230 V / 50/60 Hz 115 V / 60 Hz

* Flow rate accuracy pertains to water without counter pressure

** Tubing size 0.2; 0.5; 0.9 pertains to µl measurement, not ml

*** Standard 230 V / 50/60 Hz: others upon request, please specify for order