



Technical Data	HPLH 20	HPLH 200	HPLH 300	HPLH 1000
Min. dispensing volume [µl]	1.0	10.0	20.0	50.0
Max. dispensing volume per step [l]	100	100	100	100
Continuous dispensing	Yes	Yes	Yes	Yes
Time programmed dispensing	Yes	Yes	Yes	Yes
Flowrate range [ml/min]	0.0115 – 10.0	0.115 – 100.0	0.230 – 150.0	0.575 – 400.0
Dosing accuracy [%]	< ± 1.0	< ± 1.0	< ± 1.0	< ± 1.0
Coefficient of Variation, CV [%]	< ± 0.5	< ± 0.5	< ± 0.5	< ± 0.5
User Calibration	Yes	Yes	Yes	Yes
PC Interface	RS 232	RS 232	RS 232	RS 232
Analogue interface	Yes	Yes	Yes	Yes
TTL input	Yes	Yes	Yes	Yes
Power supply	24 VDC	24 VDC	24 VDC	24 VDC
Dimensions HxWxD [mm]	145 x 170 x 170	145 x 170 x 170	145 x 170 x 170	200 x 107 x 250
Pump head materials	Al ₂ O ₃ PVDF	Al ₂ O ₃ PVDF	Al ₂ O ₃ PVDF	Al ₂ O ₃ PVDF
Weight [kg]	2.5	2.5	2.5	3.0
Protection class according to DIN EN 60529	IP 43	IP 43	IP 43	IP 43

Order Information	Part Number			
 V Ceramic encased with PVDF, integrated into stainless steel body, without rinse port	70940-0000	70950-0000	-	70970-0000
 VS ceramic encased with PVDF, integrated into stainless steel body, with rinse port	-	-	-	70975-0000
 VCS ceramic encased with PVDF, integ- rated into stainless steel body, with rinse port integrated into ceramic	70947-0000	70957-0000	70967-0000	-

For all pump heads: wetted parts are only PVDF and ceramic (Al₂O₃ 99,7 %)

Accessories	Part Number	Description
RS 232 extension cable	30275-0051	RS 232 extension cable 1.8 m
RS 232 to USB adapter	30244-0000	RS 232 to USB adapter
Power supply 24VDC	60732-0000	External power supply 24VDC, 100 – 240VAC for HPLH 20 - HPLH 300
Power supply 24VDC	60734-0000	External power supply 24VDC, 100 – 240VAC for HPLH 1000
Software	Upon request	Control software