



















PIPETMAN® L VARIABLE VOLUME MECHANICAL PIPETTES SPECIFICATIONS

PIPETMAN L Single Channel — Variable Volume Models

Model	PIPETMAN® DIAMOND Tips		Part Number		Volume (µL)	Maximum Permissible Errors			
						Gilson		ISO 8655	
						With stainless steel ejector	With plastic ejector	Systematic error (µL)	Random error (µL)
 P2L	D10 DL10	DF10ST DFL10ST	FA10001M	FA10001P	0.2	± 0.024	≤ 0.012	± 0.08	≤ 0.04
					0.5	± 0.025	≤ 0.012	± 0.08	≤ 0.04
					1	± 0.027	≤ 0.013	± 0.08	≤ 0.04
					2	± 0.030	≤ 0.014	± 0.08	≤ 0.04
 P10L*	D10 DL10	DF10ST DFL10T	FA10002M	FA10002P	1	± 0.025	≤ 0.012	± 0.12	≤ 0.08
					5	± 0.075	≤ 0.030	± 0.12	≤ 0.08
					10	± 0.100	≤ 0.040	± 0.12	≤ 0.08
 P20L	D200	DF30ST	FA10003M	FA10003P	2	± 0.10	≤ 0.030	± 0.2	≤ 0.1
					10	± 0.10	≤ 0.050	± 0.2	≤ 0.1
					20	± 0.20	≤ 0.060	± 0.2	≤ 0.1
 P100L	D200	DF100ST	FA10004M	FA10004P	10	± 0.35	≤ 0.10	± 0.8	≤ 0.3
					50	± 0.40	≤ 0.12	± 0.8	≤ 0.3
					100	± 0.80	≤ 0.15	± 0.8	≤ 0.3
 P200L	D200 D300	DF200ST DF300ST	FA10005M	FA10005P	20	± 0.50	≤ 0.20	± 1.6	≤ 0.6
					100	± 0.80	≤ 0.25	± 1.6	≤ 0.6
					200	± 1.60	≤ 0.30	± 1.6	≤ 0.6
 P1000L	D1000 D1200	DF1000ST DF1200ST	FA10006M	FA10006P	100	± 3.0	≤ 0.6	± 8.0	≤ 3.0
					500	± 4.0	≤ 1.0	± 8.0	≤ 3.0
					1000	± 8.0	≤ 1.5	± 8.0	≤ 3.0
 P5000L	D5000		FA10007**		500	± 12	≤ 3	± 40	≤ 15.0
					2500	± 15	≤ 5	± 40	≤ 15.0
					5000	± 30	≤ 8	± 40	≤ 15.0
 P10mLL	D10mL		FA10008**		1000	± 30	≤ 6	± 60	≤ 30.0
					5000	± 40	≤ 10	± 60	≤ 30.0
					10000	± 60	≤ 16	± 60	≤ 30.0

PIPETMAN L Multichannel

 P8x10L	D10 DL10	DF10ST DFL10ST	FA10013	0.5	± 0.08	≤ 0.04	± 0.24	≤ 0.16
				1	± 0.08	≤ 0.05	± 0.24	≤ 0.16
 P12x10L			FA10014	5	± 0.20	≤ 0.10	± 0.24	≤ 0.16
				10	± 0.20	≤ 0.10	± 0.24	≤ 0.16
 P8x20L	DL10 D200	DFL10ST DF30ST	FA10009	2	± 0.10	≤ 0.08	± 0.4	≤ 0.20
				10	± 0.20	≤ 0.10	± 0.4	≤ 0.20
 P12x20L			FA10010	20	± 0.40	≤ 0.15	± 0.4	≤ 0.20
 P8x200L	D200 D300	DF200ST DF300ST	FA10011	20	± 0.50	≤ 0.25	± 3.2	≤ 1.2
				100	± 1.00	≤ 0.40	± 3.2	≤ 1.2
 P12x200L			FA10012	200	± 2.00	≤ 0.50	± 3.2	≤ 1.2
 P8x300L	D200 D300	DF200ST DF300ST	FA10015	20	± 1.00	≤ 0.35	± 8.0	≤ 3.0
				30	± 1.00	≤ 0.35	± 8.0	≤ 3.0
 P12x300L			FA10016	150	± 1.50	≤ 0.60	± 8.0	≤ 3.0
				300	± 3.00	≤ 1.00	± 8.0	≤ 3.0
 P8x1200L	D1200	DF1200ST	FA10039	100	± 6.00	≤ 0.90	± 32	≤ 12
				120	± 6.00	≤ 0.90	± 32	≤ 12
 P12x1200L			FA10040	600	± 8.00	≤ 1.20	± 32	≤ 12
				1200	± 10.00	≤ 1.50	± 32	≤ 12

* P10L model can be used up to 0.5 µL.
** P5000L and P10mLL do not have tip ejectors.

For a pipette with a plastic tip ejector, the part number ends with the letter P.
For a pipette with a stainless steel tip ejector, the part number ends with the letter M.

Gilson maximum permissible errors are guaranteed only when PIPETMAN pipettes are used with the recommended PIPETMAN DIAMOND Tips.

PIPETMAN L variable volume models can be sterilized by steam autoclaving at 121°C (252°F), 1 bar relative pressure for 20 minutes without disassembly.