pipetman®

M connected

CONNECTED VARIABLE VOLUME ELECTRONIC PIPETTES

PIPETMAN M CONNECTED SINGLE CHANNEL — VARIABLE VOLUME MODELS

Model	Part Number	PIPETMAN DIAMOND Tips		Gilson Specifications – Standard PIPET mode				ISO 8655-2		Gilson Specifications – REPETITIVE mode			
				Volume Range	Vol. (µL)	Systematic error (µL)	Random error (µL)	Systematic error (µL)	Random error (µL)	Volume Range	Vol. (µL)	Systematic error (µL)	Random error (µL)
P10M	**F81040**	D10 DL10	DF10 DFL10	0.5 – 10 µL	0.5 1 5 10	± 0.040 ± 0.025 ± 0.060 ± 0.080	≤ 0.013 ≤ 0.012 ≤ 0.020 ≤ 0.025	± 0.12 ± 0.12 ± 0.12 ± 0.12	≤ 0.08 ≤ 0.08 ≤ 0.08 ≤ 0.08	0.5 – 10 µL	0.5 1	± 0.12 ± 0.12	≤ 0.08 ≤ 0.08
P20M	**F81041**	D200	DF30	2 – 20 µL	2 10 20	± 0.075 ± 0.100 ± 0.150	≤ 0.025 ≤ 0.035 ≤ 0.050	± 0.2 ± 0.2 ± 0.2	≤ 0.1 ≤ 0.1 ≤ 0.1	2 – 20 µL	2	± 0.2	≤ 0.15
P100M	**F81042**	D200	DF100	5 – 100 µL	5 10 50 100	± 0.35 ± 0.30 ± 0.38 ± 0.40	≤ 0.10 ≤ 0.10 ≤ 0.12 ≤ 0.15	± 0.8 ± 0.8 ± 0.8 ± 0.8	≤ 0.3 ≤ 0.3 ≤ 0.3 ≤ 0.3	5 – 100 µL	5 10	± 0.8 ± 0.8	≤ 0.4 ≤ 0.4
P200M	**F81043**	D200 D300	DF200 DF300	20 – 200 µL	20 100 200	± 0.40 ± 0.80 ± 1.00	≤ 0.15 ≤ 0.22 ≤ 0.26	± 1.6 ± 1.6 ± 1.6	≤ 0.6 ≤ 0.6 ≤ 0.6	5 – 200 µL	5 20	± 1.6 ± 1.6	≤ 0.6 ≤ 0.9
P300M	**F81044**	D200* D300	DF200* DF300	20 – 300 µL	20 30 150 300	± 0.80 ± 0.70 ± 0.90 ± 1.05	≤ 0.16 ≤ 0.20 ≤ 0.23 ≤ 0.30	± 4.0 ± 4.0 ± 4.0 ± 4.0	≤ 1.5 ≤ 1.5 ≤ 1.5 ≤ 1.5	10 – 300 µL	10 30	± 2.0 ± 2.0	≤ 1.5 ≤ 1.5
P1200M	**F81045**	D1000* D1200	DF1000* DF1200	100 – 1200 µL	100 120 600 1200	± 2.5 ± 2.4 ± 3.6 ± 6.0	≤ 0.4 ≤ 0.4 ≤ 0.8 ≤ 1.2	± 16 ± 16 ± 16 ± 16	≤ 6.0 ≤ 6.0 ≤ 6.0 ≤ 6.0	20 – 1200 µL	20 120	± 5.0 ± 6.0	≤ 2.5 ≤ 3.2
P5000M	**F81046**	D5000		500 – 5000 µL	500 2500 5000	± 10 ± 15 ± 25	≤ 2 ≤ 4 ≤ 7	± 40 ± 40 ± 40	≤ 15 ≤ 15 ≤ 15	100 – 5000 µL	100 500	± 20 ± 25	≤ 10 ≤ 13
P10mLM	**F81047**	D10mL		1 – 10 mL	1 mL 5 mL 10 mL	± 25 ± 30 ± 50	≤ 4 ≤ 8 ≤ 12	± 60 ± 60 ± 60	≤ 30 ≤ 30 ≤ 30	200 µL – 10 mL	200 1000	± 40 ± 40	≤ 20 ≤ 25
PIPETMAN M CONNECTED MULTICHANNEL													
P8x10M	**F81048**	D10 DL10	DF10 DFL10	0.5 – 10 µL	0.5 1 5 10	± 0.05 ± 0.04 ± 0.08 ± 0.10	≤ 0.02 ≤ 0.02 ≤ 0.04 ≤ 0.06	± 0.24 ± 0.24 ± 0.24 ± 0.24	≤ 0.16 ≤ 0.16 ≤ 0.16 ≤ 0.16	0.5 – 10 µL	0.5 1	± 0.24 ± 0.24	≤ 0.16 ≤ 0.16
P12x10M	**F81049**												
P8x20M	**F81050**	DL10 D200	DFL10* DF30	1 – 20 µL	1 2 10 20	± 0.08 ± 0.09 ± 0.15 ± 0.25	≤ 0.05 ≤ 0.06 ≤ 0.10 ≤ 0.12	± 0.4 ± 0.4 ± 0.4 ± 0.4	≤ 0.2 ≤ 0.2 ≤ 0.2 ≤ 0.2	1 – 20 µL	1 2	± 0.40 ± 0.40	≤ 0.2 ≤ 0.2
P12x20M	**F81051**												
P8x100M	**F81052**	D200	DF100	10 – 100 µL	10 50 100	± 0.25 ± 0.50 ± 0.80	≤ 0.14 ≤ 0.20 ≤ 0.25	± 1.6 ± 1.6 ± 1.6	≤ 0.6 ≤ 0.6 ≤ 0.6	5 – 100 µL	5 10	± 1.6 ± 1.6	≤ 1.4 ≤ 1.2
P12x100M	**F81053**												
P8x200M	**F81054**	D200 D300	DF100* DF200 DF300	20 – 200 µL	20 100 200	± 0.50 ± 1.00 ± 2.00	≤ 0.16 ≤ 0.30 ≤ 0.50	± 3.2 ± 3.2 ± 3.2	≤ 1.2 ≤ 1.2 ≤ 1.2	5 – 200 µL	5 20	± 3.2 ± 3.2	≤ 1.7 ≤ 2.2
P12x200M	**F81055**												
P8x300M	**F81056**	D200* D300	DF200* DF300	10 – 300 µL	10 30 150 300	± 1.00 ± 1.00 ± 1.50 ± 2.40	≤ 0.18 ≤ 0.18 ≤ 0.375 ≤ 0.45	± 8.0 ± 8.0 ± 8.0 ± 8.0	≤ 3.0 ≤ 3.0 ≤ 3.0 ≤ 3.0	10 – 300 µL	10 30	± 6.0 ± 6.0	≤ 3.0 ≤ 3.0
P12x300M	**F81057**												
P8x1200M	**F81058**	D1200	DF1200	50 – 1200 µL	50 120 600 1200	± 4.0 ± 4.0 ± 6.0 ± 9.6	≤ 0.7 ≤ 0.7 ≤ 1.5 ≤ 1.8	± 32 ± 32 ± 32 ± 32	≤ 12 ≤ 12 ≤ 12 ≤ 12	50 – 1200 µL	50 120	± 24 ± 24	≤ 12 ≤ 12
P12x1200M	**F81059**												

Gilson maximum permissible errors are guaranteed only when PIPETMAN pipettes are used with the recommended PIPETMAN DIAMOND Tips. Visit www.gilson.com/en/guaranteedperformance.

Under these conditions, Gilson volumetric specifications in standard pipetting (PIPET mode) are guaranteed with a performance exceeding ISO 8655-2 recommendations for this mode.

*These PIPETMAN DIAMOND Tips can be used with the indicated pipettes for the REPETITIVE mode but not until the maximal volume of the pipette in PIPET mode. Please refer to the volume range of your tips.

Recommended tips to get best results in REPETITIVE mode.

www.gilson.com/ContactUs

ISO 9001 CERTIFIED

GILSON®