

PIPETMAN M model	Ordering reference	PIPETMAN DIAMOND Tips compatibility		Volume range		Maximum Permissible Errors (standard pipetting mode)				
						Gilson			ISO 8655-2	
						Volume	Systematic error (μL)	Random error (μL)	Systematic error (μL)	Random error (μL)
P10M	F81022	D10 DL10	DF10 DFL10	0.5-10 μL	0.5-10 μL	0.5	± 0.040	≤ 0.013	± 0.12	≤ 0.08
						1	± 0.025	≤ 0.012	± 0.12	≤ 0.08
						5	± 0.060	≤ 0.020	± 0.12	≤ 0.08
						10	± 0.080	≤ 0.025	± 0.12	≤ 0.08
P20M	F81023	D200 DF30		2-20 μL	2-20 μL	2	± 0.075	≤ 0.025	± 0.2	≤ 0.1
						10	± 0.100	≤ 0.035	± 0.2	≤ 0.1
						20	± 0.150	≤ 0.050	± 0.2	≤ 0.1
P100M	F81013	D200 DF100		5-100 μL	5-100 μL	5	± 0.35	≤ 0.10	± 0.8	≤ 0.3
						10	± 0.30	≤ 0.10	± 0.8	≤ 0.3
						50	± 0.38	≤ 0.12	± 0.8	≤ 0.3
						100	± 0.40	≤ 0.15	± 0.8	≤ 0.3
P200M	F81024	D200 D300	DF200 DF300	20-200 μL	5-200 μL	20	± 0.40	≤ 0.15	± 1.6	≤ 0.6
						100	± 0.80	≤ 0.22	± 1.6	≤ 0.6
						200	± 1.00	≤ 0.26	± 1.6	≤ 0.6
P300M	F81014	D200 D300	DF200 DF300	20-300 μL	10-300 μL	20	± 0.80	≤ 0.16	± 4.0	≤ 1.5
						30	± 0.70	≤ 0.20	± 4.0	≤ 1.5
						150	± 0.90	≤ 0.23	± 4.0	≤ 1.5
						300	± 1.05	≤ 0.30	± 4.0	≤ 1.5
P1200M	F81015	D1000 D1200	DF1000 DF1200	100-1200 μL	20-1200 μL	100	± 2.5	≤ 0.4	± 16	≤ 6.0
						120	± 2.4	≤ 0.4	± 16	≤ 6.0
						600	± 3.6	≤ 0.8	± 16	≤ 6.0
						1200	± 6.0	≤ 1.2	± 16	≤ 6.0
P5000M	F81016	D5000		500-5000 μL	100-5000 μL	500	± 10	≤ 2	± 40	≤ 15.0
						2500	± 15	≤ 4	± 40	≤ 15.0
						5000	± 25	≤ 7	± 40	≤ 15.0
P10 mL M	F81017	D10 mL		1-10 mL	200 μL-10 mL	1 mL	± 25	≤ 4	± 60	≤ 30.0
						5 mL	± 30	≤ 8	± 60	≤ 30.0
						10 mL	± 50	≤ 12	± 60	≤ 30.0
P8x10M P12x10M	F81025	D10	DF10	0.5-10 μL	0.5-10 μL	0.5	± 0.05	≤ 0.02	± 0.24	≤ 0.16
						1	± 0.04	≤ 0.02	± 0.24	≤ 0.16
	F81026	DL10	DFL10			5	± 0.08	≤ 0.04	± 0.24	≤ 0.16
						10	± 0.10	≤ 0.06	± 0.24	≤ 0.16
P8x20M P12x20M	F81027	DL10	DFL10	1-20 μL	1-20 μL	1	± 0.08	≤ 0.05	± 0.4	≤ 0.2
						F81028	D200	DF30	10	± 0.15
	20	± 0.25	≤ 0.12						± 0.4	≤ 0.2
P8x100M P12x100M	F81018	D200		10-100 μL	5-100 μL	10	± 0.25	≤ 0.14	± 1.6	≤ 0.6
						F81019	DF100	50	± 0.50	≤ 0.20
	100	± 0.80	≤ 0.25					± 1.6	≤ 0.6	
P8x200M P12x200M	F81029	D200	DF100 DF200	20-200 μL	5-200 μL	20	± 0.50	≤ 0.16	± 3.2	≤ 1.2
						F81030	D300 DF300	100	± 1.00	≤ 0.30
	200	± 2.00	≤ 0.50					± 3.2	≤ 1.2	
P8x300M P12x300M	F81031	D200	DF200	10-300 μL	10-300 μL	10	± 1.00	≤ 0.18	± 8.0	≤ 3.0
						F81032	D300 DF300	30	± 1.00	≤ 0.18
	150	± 1.50	≤ 0.375					± 8.0	≤ 3.0	
	300	± 2.40	≤ 0.45			± 8.0	≤ 3.0			
P8x1200M P12x1200M	F81020	D1200	DF1200	50-1200 μL	50-1200 μL	50	± 4.0	≤ 0.7	± 32	≤ 12
						F81021	120	± 4.0	≤ 0.7	± 32
	600						± 6.0	≤ 1.5	± 32	≤ 12
	1200					± 9.6	≤ 1.8	± 32	≤ 12	

