



GILSON PIPETTE SPECIFICATIONS

SYSTEMATIC ERROR = ACCURACY
RANDOM ERROR = REPEATABILITY

MYPIPETMAN® SINGLE CHANNEL MODELS



Model	PIPETMAN® DIAMOND Tips		Vol. (µL)	Maximum Permissible Errors							
				Gilson				ISO 8655			
				Systematic Error (µL)	Random Error (µL)	Systematic Error (%)	Random Error (%CV*)	Systematic Error (µL)	Random Error (µL)	Systematic Error (%)	Random Error (%CV*)
MyPIPETMAN P2	D10 DL10	DF10ST DFL10ST	0.2	± 0.024	≤ 0.012	± 12.0	≤ 6.0	± 0.08	≤ 0.04	± 40.0	≤ 20.0
			0.5	± 0.025	≤ 0.012	± 5.0	≤ 2.4	± 0.08	≤ 0.04	± 16.0	≤ 8.0
			1	± 0.027	≤ 0.013	± 2.7	≤ 1.3	± 0.08	≤ 0.04	± 8.0	≤ 4.0
MyPIPETMAN P10	D10 DL10	DF10ST DFL10ST	1	± 0.025	≤ 0.012	± 2.5	≤ 1.2	± 0.12	≤ 0.08	± 12.0	≤ 8.0
			5	± 0.075	≤ 0.030	± 1.5	≤ 0.6	± 0.12	≤ 0.08	± 2.4	≤ 1.6
			10	± 0.100	≤ 0.040	± 1.0	≤ 0.4	± 0.12	≤ 0.08	± 1.2	≤ 0.8
MyPIPETMAN P20	D200	DF30ST	2	± 0.10	≤ 0.030	± 5.0	≤ 1.5	± 0.2	≤ 0.1	± 10.0	≤ 5.0
			10	± 0.10	≤ 0.050	± 1.0	≤ 0.5	± 0.2	≤ 0.1	± 2.0	≤ 1.0
			20	± 0.20	≤ 0.060	± 1.0	≤ 0.3	± 0.2	≤ 0.1	± 1.0	≤ 0.5
MyPIPETMAN P100	D200	DF100ST	10	± 0.35	≤ 0.10	± 3.5	≤ 1.0	± 0.8	≤ 0.3	± 8.0	≤ 3.0
			50	± 0.40	≤ 0.12	± 0.8	≤ 0.24	± 0.8	≤ 0.3	± 1.6	≤ 0.6
			100	± 0.80	≤ 0.15	± 0.8	≤ 0.15	± 0.8	≤ 0.3	± 0.8	≤ 0.3
MyPIPETMAN P200	D200 D300	DF200ST DF300ST	20	± 0.50	≤ 0.20	± 2.5	≤ 1.0	± 1.6	≤ 0.6	± 8.0	≤ 3.0
			100	± 0.80	≤ 0.25	± 0.8	≤ 0.25	± 1.6	≤ 0.6	± 1.6	≤ 0.6
			200	± 1.60	≤ 0.30	± 0.8	≤ 0.15	± 1.6	≤ 0.6	± 0.8	≤ 0.3
MyPIPETMAN P1000	D1000 D1200	DF1000ST DF1200ST	100	± 3.0	≤ 0.6	± 3.0	≤ 0.6	± 8.0	≤ 3.0	± 8.0	≤ 3.0
			500	± 4.0	≤ 1.0	± 0.8	≤ 0.2	± 8.0	≤ 3.0	± 1.6	≤ 0.6
			1000	± 8.0	≤ 1.5	± 0.8	≤ 0.15	± 8.0	≤ 3.0	± 0.8	≤ 0.3
MyPIPETMAN P5000	D5000		500	± 12	≤ 3	± 2.4	≤ 0.6	± 40	≤ 15.0	± 8.0	≤ 3.0
			2500	± 15	≤ 5	± 0.6	≤ 0.2	± 40	≤ 15.0	± 1.6	≤ 0.6
			5000	± 30	≤ 8	± 0.6	≤ 0.16	± 40	≤ 15.0	± 0.8	≤ 0.3
MyPIPETMAN P10mL	D10mL		1000	± 30	≤ 6	± 3.0	≤ 0.6	± 60	≤ 30.0	± 6.0	≤ 3.0
			5000	± 40	≤ 10	± 0.8	≤ 0.2	± 60	≤ 30.0	± 1.2	≤ 0.6
			10000	± 60	≤ 16	± 0.6	≤ 0.16	± 60	≤ 30.0	± 0.6	≤ 0.3

MYPIPETMAN® MULTICHANNEL MODELS



Model	PIPETMAN® DIAMOND Tips		Vol. (µL)	Maximum Permissible Errors							
				Gilson				ISO 8655			
				Systematic error (µL)	Random error (µL)	Systematic error (%)	Random error (%CV*)	Systematic error (µL)	Random error (µL)	Systematic error (%)	Random error (%CV*)
MyPIPETMAN P8x10	D10 DL10	DF10ST DFL10ST	0.5	± 0.08	≤ 0.04	± 16.0	≤ 8.0	± 0.24	≤ 0.16	± 48.0	≤ 32.0
			1	± 0.08	≤ 0.05	± 8.0	≤ 5.0	± 0.24	≤ 0.16	± 24.0	≤ 16.0
MyPIPETMAN P12x10	DL10	DFL10ST	5	± 0.20	≤ 0.10	± 4.0	≤ 2.0	± 0.24	≤ 0.16	± 4.8	≤ 3.2
			10	± 0.20	≤ 0.10	± 2.0	≤ 1.0	± 0.24	≤ 0.16	± 2.4	≤ 1.6
MyPIPETMAN P8x20	DL10 D200	DFL10ST DF30ST	2	± 0.10	≤ 0.08	± 5.0	≤ 4.0	± 0.4	≤ 0.2	± 20.0	≤ 10.0
			10	± 0.20	≤ 0.10	± 2.0	≤ 1.0	± 0.4	≤ 0.2	± 4.0	≤ 2.0
MyPIPETMAN P12x20	D200	DF30ST	20	± 0.40	≤ 0.15	± 2.0	≤ 0.75	± 0.4	≤ 0.2	± 2.0	≤ 1.0
MyPIPETMAN P8x200	D200	DF200ST	20	± 0.50	≤ 0.25	± 2.5	≤ 1.25	± 3.2	≤ 1.2	± 16.0	≤ 6.0
			100	± 1.00	≤ 0.40	± 1.0	≤ 0.4	± 3.2	≤ 1.2	± 3.2	≤ 1.2
MyPIPETMAN P12x200	D300	DF300ST	200	± 2.00	≤ 0.50	± 1.0	≤ 0.25	± 3.2	≤ 1.2	± 1.6	≤ 0.6
MyPIPETMAN P8x300	D200	DF200ST	20	± 1.00	≤ 0.35	± 5.0	≤ 1.75	± 8.0	≤ 3.0	± 40.0	≤ 15.0
			30	± 1.00	≤ 0.35	± 3.3	≤ 1.17	± 8.0	≤ 3.0	± 26.67	≤ 10.0
MyPIPETMAN P12x300	D300	DF300ST	150	± 1.50	≤ 0.60	± 1.0	≤ 0.4	± 8.0	≤ 3.0	± 5.33	≤ 2.0
			300	± 3.00	≤ 1.00	± 1.0	≤ 0.33	± 8.0	≤ 3.0	± 2.67	≤ 1.0

*CV means Coefficient of Variation | Gilson maximum permissible errors are guaranteed only when PIPETMAN® pipettes are used with the recommended PIPETMAN® DIAMOND Tips.

NOTE

The data given in this table conform to the ISO 8655-2 standard. With a precise pipetting technique, the P2 model can be used to aspirate volumes as low as 0.1 µL and the P10 model as low as 0.5 µL.