

Gilson Pipette Specifications

Pipetman Pipettes

| | | Pipette Specifications | | |
|--------------------------------------|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| P2 (F144801) 0.2 - 2 µL | Min. 0.2 | ± 0.024 | ≤ 0.012 | |
| | 0.5 | ± 0.025 | ≤ 0.012 | |
| P10 (F144802) 1 - 10 µL | Max. 2 | ± 0.030 | ≤ 0.014 | |
| | Min. 1 | ± 0.025 | ≤ 0.012 | |
| | 5 | ± 0.075 | ≤ 0.030 | |
| | Max. 10 | ± 0.100 | ≤ 0.040 | |
| P20 (F123600) 2 - 20 µL | Min. 2 | ± 0.10 | ≤ 0.03 | |
| | 5 | ± 0.10 | ≤ 0.04 | |
| | 10 | ± 0.10 | ≤ 0.05 | |
| | Max. 20 | ± 0.20 | ≤ 0.06 | |
| P100 (F123615) 20 - 100 µL | Min. 20 | ± 0.35 | ≤ 0.10 | |
| | 50 | ± 0.40 | ≤ 0.12 | |
| | Max. 100 | ± 0.80 | ≤ 0.15 | |
| P200 (F123601) 50 - 200 µL | Min. 50 | ± 0.50 | ≤ 0.20 | |
| | 100 | ± 0.80 | ≤ 0.25 | |
| | Max. 200 | ± 1.60 | ≤ 0.30 | |
| P1000 (F123602) 200 - 1000 µL | Min. 200 | ± 3 | ≤ 0.6 | |
| | 500 | ± 4 | ≤ 1 | |
| | Max. 1000 | ± 8 | ≤ 1.5 | |
| P5000 (F123603) 1000 - 5000 µL | Min. 1000 | ± 12 | ≤ 3 | |
| | 2000 | ± 12 | ≤ 5 | |
| | Max. 5000 | ± 30 | ≤ 8 | |
| P10 mL (F161201) 1 - 10 mL | Min. 1 mL | ± 30 | ≤ 6 | |
| | 2 mL | ± 30 | ≤ 6 | |
| | 5 mL | ± 40 | ≤ 10 | |
| | Max. 10 mL | ± 60 | ≤ 16 | |

Pipetman Neo Pipettes

| | | Pipette Specifications | | |
|--------------------------------------|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| P2N (F144561) 0.2 - 2 µL | Min. 0.2 | ± 0.024 | ≤ 0.012 | |
| | 0.5 | ± 0.027 | ≤ 0.013 | |
| P10N (F144562) 1 - 10 µL | Max. 2 | ± 0.030 | ≤ 0.014 | |
| | Min. 1 | ± 0.025 | ≤ 0.012 | |
| | 5 | ± 0.075 | ≤ 0.030 | |
| | Max. 10 | ± 0.100 | ≤ 0.040 | |
| P20N (F144563) 2 - 20 µL | Min. 2 | ± 0.10 | ≤ 0.03 | |
| | 10 | ± 0.10 | ≤ 0.05 | |
| | Max. 20 | ± 0.20 | ≤ 0.06 | |
| P100N (F144564) 10 - 100 µL | Min. 10 | ± 0.35 | ≤ 0.10 | |
| | 50 | ± 0.40 | ≤ 0.12 | |
| | Max. 100 | ± 0.80 | ≤ 0.15 | |
| P200N (F144565) 20 - 200 µL | Min. 20 | ± 0.50 | ≤ 0.20 | |
| | 100 | ± 0.80 | ≤ 0.25 | |
| | Max. 200 | ± 1.60 | ≤ 0.30 | |
| P1000N (F144566) 100 - 1000 µL | Min. 100 | ± 3 | ≤ 0.6 | |
| | 500 | ± 4 | ≤ 1 | |
| | Max. 1000 | ± 8 | ≤ 1.5 | |

Pipetman Ultra Pipettes

| | | Pipette Specifications | | |
|---------------------------------|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| U2 (F21021) 0.2 - 2 µL | Min. 0.2 | ± 0.024 | ≤ 0.012 | |
| | 0.5 | ± 0.025 | ≤ 0.012 | |
| U10 (F21022) 1 - 10 µL | Max. 2 | ± 0.030 | ≤ 0.014 | |
| | Min. 1 | ± 0.025 | ≤ 0.012 | |
| | 5 | ± 0.075 | ≤ 0.030 | |
| | Max. 10 | ± 0.100 | ≤ 0.040 | |
| U20 (F21023) 2 - 20 µL | Min. 2 | ± 0.10 | ≤ 0.03 | |
| | 5 | ± 0.10 | ≤ 0.04 | |
| | 10 | ± 0.10 | ≤ 0.05 | |
| | Max. 20 | ± 0.20 | ≤ 0.06 | |
| U100 (F21024) 20 - 100 µL | Min. 20 | ± 0.35 | ≤ 0.10 | |
| | 50 | ± 0.40 | ≤ 0.12 | |
| | Max. 100 | ± 0.80 | ≤ 0.15 | |
| U200 (F21025) 20 - 200 µL | Min. 20 | ± 0.50 | ≤ 0.20 | |
| | 50 | ± 0.50 | ≤ 0.20 | |
| | 100 | ± 0.80 | ≤ 0.25 | |
| | Max. 200 | ± 1.60 | ≤ 0.30 | |

Pipetman Ultra Pipettes (cont.)

| | | | | |
|-------------------------------------|------------|------|-------|--|
| U1000 (F21026) 200 - 1000 µL | Min. 200 | ± 3 | ≤ 0.6 | |
| | 500 | ± 4 | ≤ 1 | |
| U5000 (F21027) 1000 - 5000 µL | Max. 1000 | ± 8 | ≤ 1.5 | |
| | Min. 1000 | ± 12 | ≤ 3 | |
| | 2000 | ± 12 | ≤ 5 | |
| | Max. 5000 | ± 30 | ≤ 8 | |
| U10 mL (F21028) 1 - 10 mL | Min. 1 mL | ± 30 | ≤ 6 | |
| | 2 mL | ± 30 | ≤ 6 | |
| | 5 mL | ± 40 | ≤ 10 | |
| | Max. 10 mL | ± 60 | ≤ 16 | |

Pipetman Ultra Multichannel Pipettes

| | | Pipette Specifications | | |
|-----------------------------------|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| 8x20 (F21040) 1 - 20 µL | Min. 1 | ± 0.10 | ≤ 0.08 | |
| | 2 | ± 0.10 | ≤ 0.08 | |
| | 10 | ± 0.20 | ≤ 0.10 | |
| | Max. 20 | ± 0.40 | ≤ 0.20 | |
| 12x20 (F21041) 1 - 20 µL | Min. 1 | ± 0.10 | ≤ 0.08 | |
| | 2 | ± 0.10 | ≤ 0.08 | |
| | 10 | ± 0.20 | ≤ 0.10 | |
| | Max. 20 | ± 0.40 | ≤ 0.20 | |
| 8x300 (F21042) 20 - 300 µL | Min. 20 | ± 1.00 | ≤ 0.35 | |
| | 30 | ± 1.00 | ≤ 0.45 | |
| | 150 | ± 1.50 | ≤ 1.50 | |
| | Max. 300 | ± 3.00 | ≤ 3.00 | |
| 12x300 (F21043) 20 - 300 µL | Min. 20 | ± 1.00 | ≤ 0.35 | |
| | 30 | ± 1.00 | ≤ 0.45 | |
| | 150 | ± 1.50 | ≤ 1.50 | |
| | Max. 300 | ± 3.00 | ≤ 3.00 | |

Pipetman Concept Pipettes

| | | Pipette Specifications | | |
|------------------------------------|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| C10 (F31012) 0.5 - 10 µL | Min. 0.5 | ± 0.040 | ≤ 0.017 | |
| | 1 | ± 0.025 | ≤ 0.012 | |
| | 5 | ± 0.070 | ≤ 0.025 | |
| | Max. 10 | ± 0.080 | ≤ 0.030 | |
| C100 (F31013) 5 - 100 µL | Min. 5 | ± 0.40 | ≤ 0.18 | |
| | 10 | ± 0.30 | ≤ 0.15 | |
| | 50 | ± 0.38 | ≤ 0.15 | |
| | Max. 100 | ± 0.40 | ≤ 0.20 | |
| C300 (F31014) 20 - 300 µL | Min. 20 | ± 0.90 | ≤ 0.16 | |
| | 30 | ± 0.75 | ≤ 0.20 | |
| | 150 | ± 0.90 | ≤ 0.23 | |
| | Max. 300 | ± 1.05 | ≤ 0.30 | |
| C1200 (F31015) 100 - 1200 µL | Min. 100 | ± 2.5 | ≤ 0.4 | |
| | 120 | ± 2.4 | ≤ 0.4 | |
| | 600 | ± 3.6 | ≤ 0.9 | |
| | Max. 1200 | ± 7.0 | ≤ 1.5 | |
| C5000 (F31016) 500 - 5000 µL | Min. 500 | ± 12 | ≤ 2 | |
| | 2500 | ± 18 | ≤ 5 | |
| C10 ml (F31017) 1 - 10 mL | Max. 5000 | ± 30 | ≤ 8 | |
| | Min. 1 mL | ± 30 | ≤ 6 | |
| | 5 mL | ± 40 | ≤ 10 | |
| | Max. 10 mL | ± 60 | ≤ 16 | |

Pipetman Concept Multichannel Pipettes

| | | Pipette Specifications | | |
|----------------------------------|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| 8x10 (F31032) 0.5 - 10 µL | Min. 1 | ± 0.04 | ≤ 0.02 | |
| | 5 | ± 0.08 | ≤ 0.04 | |
| | Max. 10 | ± 0.10 | ≤ 0.06 | |
| 8x100 (F31033) 5 - 100 µL | Min. 10 | ± 0.25 | ≤ 0.14 | |
| | 50 | ± 0.50 | ≤ 0.20 | |
| | Max. 100 | ± 0.80 | ≤ 0.25 | |
| 8x300 (F31034) 20 - 300 µL | Min. 30 | ± 1.00 | ≤ 0.18 | |
| | 150 | ± 1.50 | ≤ 0.38 | |
| | Max. 300 | ± 2.40 | ≤ 0.60 | |

Pipetman Concept Multichannel Pipettes (cont.)

| | | | | |
|-----------------------------------|----------|--------|--------|--|
| 12x10 (F31042) 0.5 - 10 µL | Min. 1 | ± 0.04 | ≤ 0.02 | |
| | 5 | ± 0.08 | ≤ 0.04 | |
| 12x100 (F31043) 5 - 100 µL | Max. 10 | ± 0.10 | ≤ 0.06 | |
| | Min. 10 | ± 0.25 | ≤ 0.14 | |
| | 50 | ± 0.50 | ≤ 0.20 | |
| | Max. 100 | ± 0.80 | ≤ 0.25 | |
| 12x300 (F31044) 20 - 300 µL | Min. 30 | ± 1.00 | ≤ 0.18 | |
| | 150 | ± 1.50 | ≤ 0.38 | |
| | Max. 300 | ± 2.40 | ≤ 0.60 | |

Pipetman F Pipettes

| | | Pipette Specifications | | |
|------------------------|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| F2 (F123770) | 2 | ± 0.08 | ≤ 0.03 | |
| F5 (F123771) | 5 | ± 0.10 | ≤ 0.04 | |
| F10 (F123772) | 10 | ± 0.10 | ≤ 0.05 | |
| F20 (F123604) | 20 | ± 0.20 | ≤ 0.06 | |
| F25 (F123775) | 25 | ± 0.25 | ≤ 0.07 | |
| F50 (F123778) | 50 | ± 0.40 | ≤ 0.15 | |
| F100 (F123784) | 100 | ± 0.80 | ≤ 0.25 | |
| F200 (F123605) | 200 | ± 1.60 | ≤ 0.30 | |
| F250 (F123787) | 250 | ± 3.00 | ≤ 0.75 | |
| F300 (F123788) | 300 | ± 3.50 | ≤ 0.75 | |
| F400 (F123789) | 400 | ± 3.60 | ≤ 0.80 | |
| F500 (F123790) | 500 | ± 4.00 | ≤ 1.00 | |
| F1000 (F123606) | 1000 | ± 8.00 | ≤ 1.30 | |

Distriman® Pipettes

| | | Pipette Specifications | | |
|---|----------------|--------------------------|----------------------|--|
| Model (Part Number) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| 125 µL Micro (F164100) 1 - 12.5 µL | Min. 2 | ± 0.100 | ≤ 0.080 | |
| | 5 | ± 0.125 | ≤ 0.075 | |
| | Max. 10 | ± 0.200 | ≤ 0.100 | |
| 125 µL Micro ST (F164130) 1 - 12.5 µL | Min. 2 | ± 0.100 | ≤ 0.080 | |
| | 5 | ± 0.125 | ≤ 0.075 | |
| | Max. 10 | ± 0.200 | ≤ 0.100 | |
| 1250 µL Mini (F164110) 10 - 125 µL | Min. 20 | ± 0.80 | ≤ 0.20 | |
| | 50 | ± 1.00 | ≤ 0.40 | |
| | Max. 100 | ± 1.00 | ≤ 0.60 | |
| 1250 µL Mini ST (F164140) 10 - 125 µL | Min. 20 | ± 0.80 | ≤ 0.20 | |
| | 50 | ± 1.00 | ≤ 0.40 | |
| | Max. 100 | ± 1.00 | ≤ 0.60 | |
| 12.5 mL Maxi (F164120) 100 - 1.25 µL | Min. 200 | ± 6.00 | ≤ 1.00 | |
| | 500 | ± 7.50 | ≤ 1.50 | |
| | Max. 1000 | ± 10.0 | ≤ 2.50 | |
| 12.5 mL Maxi ST (F164150) 100 - 1.25 µL | Min. 200 | ± 6.00 | ≤ 1.00 | |
| | 500 | ± 7.50 | ≤ 1.50 | |
| | Max. 1000 | ± 10.0 | ≤ 2.50 | |

Microman Pipettes

| | | Pipette Specifications | | |
|-------------------------------------|----------------|--------------------------|----------------------|--|
| Model (PartNumber) | Volume (µL) | Systematic error (µL) | Random error (µL) | |
| M10 (F148501) 1 - 10 µL | Min. 1 | ± 0.09 | ≤ 0.03 | |
| | 5 | ± 0.10 | ≤ 0.03 | |
| | Max. 10 | ± 0.15 | ≤ 0.06 | |
| M25 (F148502) 3 - 25 µL | Min. 3 | ± 0.25 | ≤ 0.08 | |
| | 10 | ± 0.27 | ≤ 0.08 | |
| | Max. 25 | ± 0.30 | ≤ 0.10 | |
| M50 (F148503) 20 - 50 µL | Min. 20 | ± 0.34 | ≤ 0.20 | |
| | Max. 50 | ± 0.70 | ≤ 0.30 | |
| M100 (F148504) 10 - 100 µL | Min. 10 | ± 0.50 | ≤ 0.20 | |
| | 50 | ± 0.75 | ≤ 0.30 | |
| | Max. 100 | ± 1.00 | ≤ 0.40 | |
| M250 (F148505) 50 - 250 µL | Min. 50 | ± 1.50 | ≤ 0.30 | |
| | 100 | ± 1.70 | ≤ 0.30 | |
| | Max. 250 | ± 2.50 | ≤ 0.50 | |
| M1000 (F148506) 100 - 1000 µL | Min. 100 | ± 3.00 | ≤ 1.60 | |
| | 500 | ± 5.00 | ≤ 2.50 | |
| | Max. 1000 | ± 8.00 | ≤ 4.00 | |