

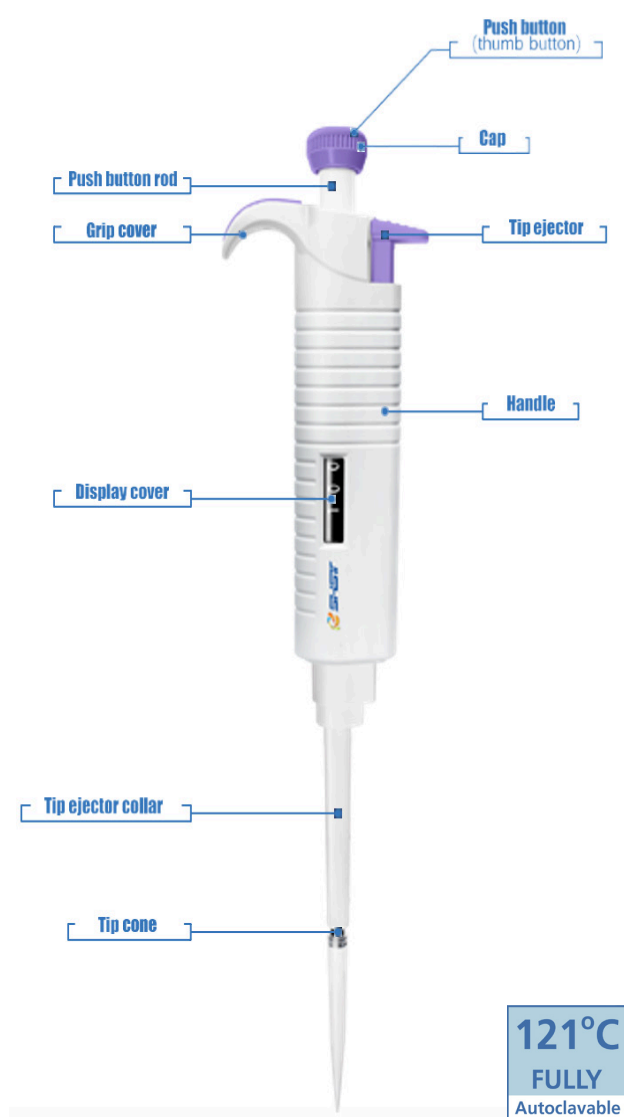
HaloFlow Series Fully Autoclavable Mechanical Pipette

121°C
FULLY
Autoclavable

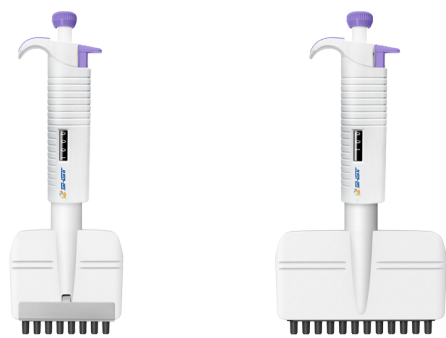


Mechanical Pipette HaloFlow Series

Features



- Fully Autoclavable
- Available as Fixed Volume and Adjustable Volume formats
- Streamlined shape design
- Comprehensive volume range from 0.1µL to 5mL
- Easy calibration and maintenance
- 8 and 12 channel pipette options
- Dispensing head rotates for effortless pipetting convenience
- Individual piston and tip cone assembly
- Spring loaded tip cones for easy cleaning and maintenance
- Compound material-made tip cone secures high sealing performance



/// Product parameters (HaloFlow Series Single Channel adjustable)						
Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
μL	μL	μL	%	μL	%	μL
0.1-2.5	0.05	2.5	± 2.50	± 0.0625	± 2.00	± 0.05
		1.25	± 3.00	± 0.0375	± 3.00	± 0.0375
		0.25	± 12.00	± 0.03	± 6.00	± 0.015
0.5-10	0.1	10	± 1.00	± 0.1	± 0.80	± 0.08
		5	± 1.50	± 0.075	± 1.50	± 0.075
		1	± 2.50	± 0.025	± 1.50	± 0.015
2-20	0.5	20	± 0.90	± 0.18	± 0.04	± 0.08
		10	± 1.20	± 0.12	± 1.00	± 0.1
		2	± 3.00	± 0.06	± 2.00	± 0.04
5-50	0.5	50	± 0.60	± 0.3	± 0.30	± 0.15
		25	± 0.90	± 0.225	± 0.60	± 0.15
		5	± 2.00	± 0.1	± 2.00	± 0.1
10-100	1	100	± 0.80	± 0.8	± 0.15	± 0.15
		50	± 1.00	± 0.5	± 0.40	± 0.2
		10	± 3.00	± 0.3	± 1.50	± 0.15
20-200	1	200	± 0.60	± 1.2	± 0.15	± 0.3
		100	± 0.80	± 0.8	± 0.30	± 0.3
		20	± 3.00	± 0.6	± 1.00	± 0.2
50-200	1	200	± 0.60	± 1.2	± 0.15	± 0.3
		100	± 0.80	± 0.8	± 0.30	± 0.3
		50	± 1.00	± 0.5	± 0.40	± 0.2
100-1000	5	1000	± 0.60	± 6	± 0.20	± 2
		500	± 0.70	± 3.5	± 0.25	± 1.25
		100	± 2.00	± 2	± 0.70	± 0.7
200-1000	5	1000	± 0.60	± 6	± 0.20	± 2
		500	± 0.70	± 3.5	± 0.25	± 1.25
		200	± 0.90	± 1.8	± 0.30	± 0.6
1000-5000	50	5000	± 0.50	± 25	± 0.15	± 7.5
		2500	± 0.60	± 15	± 0.30	± 7.5
		1000	± 0.70	± 7	± 0.30	± 3

///Product parameters (HaloFlow Series 8 Channel)

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
0.5-10 μ L	0.1 μ L	10 μ L	$\pm 1.50\%$	$\pm 0.15\mu\text{L}$	$\pm 1.50\%$	$\pm 0.15\mu\text{L}$
		5 μ L	$\pm 2.50\%$	$\pm 0.125\mu\text{L}$	$\pm 2.50\%$	$\pm 0.125\mu\text{L}$
		1 μ L	$\pm 4.00\%$	$\pm 0.04\mu\text{L}$	$\pm 4.00\%$	$\pm 0.04\mu\text{L}$
5-50 μ L	0.5 μ L	50 μ L	$\pm 1.00\%$	$\pm 0.5\mu\text{L}$	$\pm 0.50\%$	$\pm 0.25\mu\text{L}$
		25 μ L	$\pm 1.50\%$	$\pm 0.375\mu\text{L}$	$\pm 1.00\%$	$\pm 0.25\mu\text{L}$
		5 μ L	$\pm 3.00\%$	$\pm 0.15\mu\text{L}$	$\pm 2.00\%$	$\pm 0.1\mu\text{L}$
50-300 μ L	5 μ L	300 μ L	$\pm 0.70\%$	$\pm 2.1\mu\text{L}$	$\pm 0.25\%$	$\pm 0.75\mu\text{L}$
		150 μ L	$\pm 1.00\%$	$\pm 1.5\mu\text{L}$	$\pm 0.50\%$	$\pm 0.75\mu\text{L}$
		50 μ L	$\pm 1.50\%$	$\pm 0.75\mu\text{L}$	$\pm 0.80\%$	$\pm 0.4\mu\text{L}$

///Product parameters (HaloFlow Series 12 Channel)

Volume Range	Increment	Test Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
0.5-10 μ L	0.1 μ L	10 μ L	$\pm 1.50\%$	$\pm 0.15\mu\text{L}$	$\pm 1.50\%$	$\pm 0.15\mu\text{L}$
		5 μ L	$\pm 2.50\%$	$\pm 0.125\mu\text{L}$	$\pm 2.50\%$	$\pm 0.125\mu\text{L}$
		1 μ L	$\pm 4.00\%$	$\pm 0.04\mu\text{L}$	$\pm 4.00\%$	$\pm 0.04\mu\text{L}$
5-50 μ L	0.5 μ L	50 μ L	$\pm 1.00\%$	$\pm 0.5\mu\text{L}$	$\pm 0.50\%$	$\pm 0.25\mu\text{L}$
		25 μ L	$\pm 1.50\%$	$\pm 0.375\mu\text{L}$	$\pm 1.00\%$	$\pm 0.25\mu\text{L}$
		5 μ L	$\pm 3.00\%$	$\pm 0.15\mu\text{L}$	$\pm 2.00\%$	$\pm 0.1\mu\text{L}$
50-300 μ L	5 μ L	300 μ L	$\pm 0.70\%$	$\pm 2.1\mu\text{L}$	$\pm 0.25\%$	$\pm 0.75\mu\text{L}$
		150 μ L	$\pm 1.00\%$	$\pm 1.5\mu\text{L}$	$\pm 0.50\%$	$\pm 0.75\mu\text{L}$
		50 μ L	$\pm 1.50\%$	$\pm 0.75\mu\text{L}$	$\pm 0.80\%$	$\pm 0.4\mu\text{L}$

///Product parameters (HaloFlow Series Single Channel Fixed)

Volume	Increment Volume	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
5 μ L	5 μ L	$\pm 1.3\%$	$\pm 0.065\mu\text{L}$	$\pm 1.2\%$	$\pm 0.06\mu\text{L}$
10 μ L	10 μ L	$\pm 0.8\%$	$\pm 0.08\mu\text{L}$	$\pm 0.8\%$	$\pm 0.08\mu\text{L}$
20 μ L	20 μ L	$\pm 0.6\%$	$\pm 0.12\mu\text{L}$	$\pm 0.5\%$	$\pm 0.1\mu\text{L}$
25 μ L	25 μ L	$\pm 0.5\%$	$\pm 0.125\mu\text{L}$	$\pm 0.3\%$	$\pm 0.075\mu\text{L}$
50 μ L	50 μ L	$\pm 0.5\%$	$\pm 0.25\mu\text{L}$	$\pm 0.3\%$	$\pm 0.15\mu\text{L}$
100 μ L	100 μ L	$\pm 0.5\%$	$\pm 0.5\mu\text{L}$	$\pm 0.3\%$	$\pm 0.3\mu\text{L}$
200 μ L	200 μ L	$\pm 0.4\%$	$\pm 0.8\mu\text{L}$	$\pm 0.2\%$	$\pm 0.4\mu\text{L}$
250 μ L	250 μ L	$\pm 0.4\%$	$\pm 1.0\mu\text{L}$	$\pm 0.2\%$	$\pm 0.5\mu\text{L}$
500 μ L	500 μ L	$\pm 0.3\%$	$\pm 1.5\mu\text{L}$	$\pm 0.2\%$	$\pm 1.0\mu\text{L}$
1000 μ L	1000 μ L	$\pm 0.3\%$	$\pm 3.0\mu\text{L}$	$\pm 0.2\%$	$\pm 2.0\mu\text{L}$
2000 μ L	2000 μ L	$\pm 0.3\%$	$\pm 6.0\mu\text{L}$	$\pm 0.15\%$	$\pm 3.0\mu\text{L}$
5000 μ L	5000 μ L	$\pm 0.3\%$	$\pm 15\mu\text{L}$	$\pm 0.15\%$	$\pm 7.5\mu\text{L}$