

ACCUMAX

**SOLUTION  
TO TIRED HANDS,  
BECAUSE PIPETTING  
SHOULDN'T HURT!**

**ACCUMAX  
LOW FORCE  
PIPETTE**



## ACCUMAX FAB LF PIPETTE

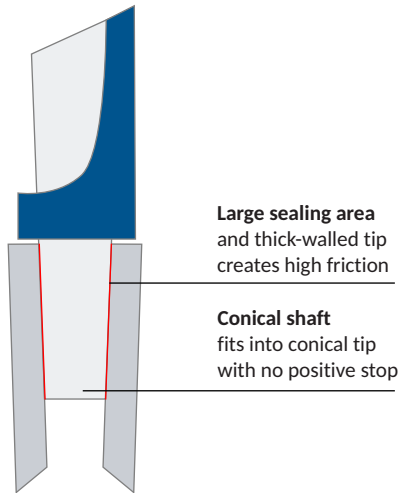
Accumax Low Force Pipettes - the solution to your pipetting woes. Say goodbye to the pain and discomfort of traditional pipettes, and say hello to a new level of ease and precision. With our innovative design, you'll experience reduced hand strain and fatigue, allowing you to pipette for longer periods without discomfort. Our low force technology ensures smooth and effortless operation, giving you accurate and consistent results every time.

Don't let pipetting slow you down - switch to Accumax Low Force Pipettes and revolutionize your pipetting experience

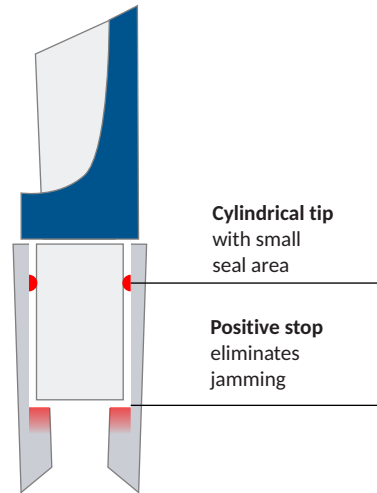
With the word repetitive in its name, it's no surprise that pipetting - the most repetitive part of your job - causes Repetitive stress injury. Ignoring repetitive strain can lead to permanent nerve damage, like carpal tunnel syndrome, De Quervain syndrome and repetitive strain injury (RSI), and end a bench science career. With unmatched precision and accuracy, Accumax LF Pipettes offers a wide range of variants, ensuring high flexibility for diverse applications. Remarkably lightweight, it alleviates hand and arm strain, prioritizing user comfort.



## Traditional Pipetting High Forces



## LF cylindrical tip and shaft Low Forces



Usually pipettes have conical shafts that rely on friction to hold the tips firmly. Hence it is typically required to bang the pipette into the tip to achieve a reliable seal and that force is applied by thumb. Accumax FAB LF Technology with its cylindrical tip and shaft mechanism eliminates these forces to deliver much more comfortable pipetting experience.

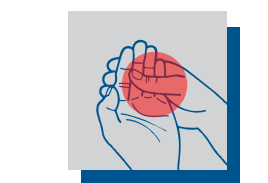
### The high cost of hand fatigue due to high force and repetition lead to:



Reduced pipetting accuracy



Decreased productivity

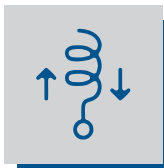


Repetitive strain injuries

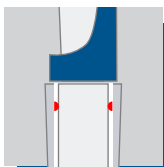
## Product Features



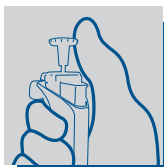
Effortless Low Force Tip Ejection



The Accumax Low Force Pipette forms a light, perfect seal between the pipette and tips, making tips virtually effortless to eject.



Designed with a cylindrical shaft and tip design that provides a reliable, consistent seal without excessive force.



Total hand comfort with lower spring forces.

Magnet assisted piston for consistently precise results



Innovative spring and seal design for one of the lowest plunge force requirement



Ergonomic design with proper weight distribution



## Product Features



Volume lock setting



Large & clear 4-digit display



Made using highly durable material for protection against chemical corrosion & physical shocks



UV resistant

Highly durable PVDF tip cone



Calibrated as per ISO 8655-6 In ISO 17025 accredited lab



Color coding for easy identification



## Product Features

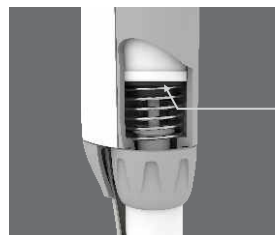


Fully autoclavable

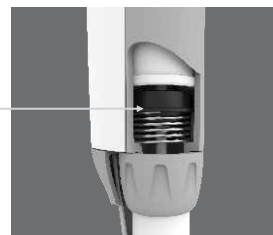
Shelf mounting stand & carousel stand for easy storage



Easy in-house calibration & tool free cleaning



Magnet position at first stop



Magnet position at second stop

Magnet assisted piston mechanism gives clear difference between first & second stop without using heavier spring. This assures consistent aspiration-dispensing with extremely low pipetting force

# Ordering Information

## Accumax FAB LF Single Channel Pipettes

Variable Volume Micropipettes					
Cat. No.	Volume Range [ $\mu$ l ]	Increments [ $\mu$ l ]	Test Volume [ $\mu$ l ]	Inaccuracy ( $\pm$ ) %	Imprecision ( $\pm$ ) %
ALFV-2.5	0.1-2.5	0.002	0.25	-0.6	2.1
			1.25	0.3	1.0
			2.5	-0.3	0.7
ALFV-10	0.5-10	0.02	1	0.0	1.4
			5	0.5	0.5
			10	0.1	0.3
ALFV-20	2-20	0.02	2	-0.5	0.7
			10	0.0	0.2
			20	0.2	0.2
ALFV-50	5-50	0.1	5	-0.1	-0.1
			25	-0.2	0.1
			50	0.3	0.0
ALFV-100	10-100	0.1	10	-0.1	0.5
			50	-0.2	0.2
			100	0.3	0.1
ALFV-200	20-200	0.2	20	-0.3	0.4
			100	0.1	0.2
			200	0.3	0.1
ALFV-1000	100-1000	1	100	-0.2	0.4
			500	0.1	0.2
			1000	0.2	0.1

Fixed Volume Micropipettes			
Cat. No.	Volume Range [ $\mu$ l ]	Inaccuracy ( $\pm$ ) %	Imprecision ( $\pm$ ) %
ALFF-2.5	2.5	-0.3	0.7
ALFF-5	5	0.5	0.5
ALFF-10	10	0.1	0.2
ALFF-20	20	0.2	0.2
ALFF-25	25	-0.2	0.1
ALFF-50	50	0.3	0.2
ALFF-100	100	0.3	0.1
ALFF-200	200	0.3	0.1
ALFF-250	250	0.4	0.4
ALFF-500	500	0.1	0.2
ALFF-1000	1000	0.2	0.1

# ACCUMAX

Accumax Lab Devices Pvt. Ltd.  
www.accumaximum.com

ISO 9001:2015  
ISO 13485:2016

\*We also execute OEM projects. Specifications can be changed without notice for quality improvement.