

# Thermo Scientific Finnpipette® F3



**Spot the Accuracy and Precision**

# Thermo Scientific Finnpiquette F3

**Our customers expressed a need for an innovative pipette corresponding to their high standards of accuracy and precision. As a result, we developed the new Finnpiquette F3.**

## Advanced Volume Gearing (AVG)

We equipped Finnpiquette F3 with a self-supportive modular volume adjustment mechanism enhancing both accuracy and precision of the instrument. The advanced precision click volume adjustment enables up to 50 clicks per revolution.

Additionally, we separated the mechanism from the pipette hull, which considerably increases its durability. To eliminate possible effects of hand warmth, we isolated the adjustment mechanism thermally from the pipette hull.

## Large and Clear Display

In order to provide the users with an easy volume recognition, we chose to improve the vision comfort by providing Finnpiquette F3 with a sizeable black and white display with large digits.

We added a fine adjustment ruler to enhance the superior precision and accuracy of the pipette.

## Light Pipetting Action

We are familiar with the conditions in which the users employ pipettes. Consequently, we focused on ergonomics and designed the Finnpiquette F3 handle using extensive testing and research to increase user comfort and to prevent the occurrence of RSI symptoms. We included an improved supportive finger rest allowing the user to relax the hand between pipetting periods.

## Double-Action Pipetting Hat

We introduced a revolutionary double-action pipetting hat with a rotating upper part enabling a smooth and steady pipetting action, simultaneously preventing any accidental volume alterations. In addition, the lower volume adjustment wheel remains light to control and offers an excellent grip.

In Finnpiquette F3 we combined form and function to meet the needs of our customers willing to bring accuracy to another level.

## Excellence in Form and Function

**Adjustment wheel**  
for light and precise  
volume adjustment

**Colour coded supportive  
finger rest** for identi-  
fication supportive and  
ergonomics

**Rotating push button hat**  
for securing adjusted volume

**Advanced volume  
gearing mechanism**  
for enhanced precision  
and accuracy

**Designed handle** softly  
contouring the shape of hand

**ID tag** for easy user  
identification

**Enhanced display resolution**  
for better vision ergonomics  
and easier volume recognition

**Fine adjustment ruler** for  
tuning the last digit for  
superior precision and  
accuracy

**Durable handle material**  
resisting UV-light as  
well as reagents and  
moisture

**Smooth round-shaped  
tip ejector** allowing a  
safe to use with gloves

**Removable tip ejector**  
for better service

**Autoclavable tip  
cone and tip ejector**  
for better assay  
protection

**Compatible** with most  
common tip models



#### Variable volumes \*\*

| Cat. No | Description                     | Volume | Inacc µl | Inacc % | Imprec s.d.* µl | CV % | Color Code | Finntip                          |
|---------|---------------------------------|--------|----------|---------|-----------------|------|------------|----------------------------------|
| 4640000 | Finnpipette F3 1-10µl Micro     | 10     | ±0,10    | ±1,0    | 0,05            | 0,5  | Pink       | 10, Flex 10                      |
|         |                                 | 5      | ±0,10    | ±2,0    | 0,05            | 1,0  |            |                                  |
|         |                                 | 1      | ±0,025   | ±2,5    | 0,02            | 2,0  |            |                                  |
| 4640010 | Finnpipette F3 1-10µl Universal | 10     | ±0,10    | ±1,0    | 0,08            | 0,8  | Yellow     | 250 Universal, 200 Ext, Flex 300 |
|         |                                 | 5      | ±0,10    | ±2,0    | 0,065           | 1,3  |            |                                  |
|         |                                 | 1      | ±0,035   | ±3,5    | 0,03            | 3,0  |            |                                  |
| 4640020 | Finnpipette F3 2-20µl Micro     | 20     | ±0,20    | ±1,0    | 0,08            | 0,4  | Turquoise  | 50                               |
|         |                                 | 10     | ±0,15    | ±1,5    | 0,07            | 0,7  |            |                                  |
|         |                                 | 2      | ±0,06    | ±3,0    | 0,05            | 2,5  |            |                                  |
| 4640030 | Finnpipette F3 2-20µl Universal | 20     | ±0,20    | ±1,0    | 0,08            | 0,4  | Yellow     | 250 Universal, 200 Ext, Flex 300 |
|         |                                 | 10     | ±0,15    | ±1,5    | 0,07            | 0,7  |            |                                  |
|         |                                 | 2      | ±0,06    | ±3,0    | 0,05            | 2,5  |            |                                  |
| 4640040 | Finnpipette F3 10-100µl         | 100    | ±0,80    | ±0,8    | 0,20            | 0,2  | Yellow     | 250 Universal, 200 Ext, Flex 300 |
|         |                                 | 50     | ±0,60    | ±1,2    | 0,20            | 0,4  |            |                                  |
|         |                                 | 10     | ±0,30    | ±3,0    | 0,10            | 1,0  |            |                                  |
| 4640050 | Finnpipette F3 20-200µl         | 200    | ±1,2     | ±0,6    | 0,6             | 0,3  | Yellow     | 250 Universal, 200 Ext, Flex 300 |
|         |                                 | 100    | ±1,00    | ±1,0    | 0,50            | 0,5  |            |                                  |
|         |                                 | 20     | ±0,6     | ±3,0    | 0,3             | 1,5  |            |                                  |
| 4640060 | Finnpipette F3 100-1000µl       | 1000   | ±5,0     | ±0,5    | 2,0             | 0,2  | Blue       | 1000, Flex 1000                  |
|         |                                 | 500    | ±5,00    | ±1,0    | 2,00            | 0,4  |            |                                  |
|         |                                 | 100    | ±1,5     | ±1,5    | 0,6             | 0,6  |            |                                  |
| 4640070 | Finnpipette F3 1-10ml           | 10000  | ±50,00   | ±0,5    | 20,00           | 0,2  | Red        | 10ml , Flex 10ml Ext             |
|         |                                 | 5000   | ±40,00   | ±0,8    | 15,00           | 0,3  |            |                                  |
|         |                                 | 1000   | ±20,00   | ±2,0    | 8,00            | 0,8  |            |                                  |

\*s.d. = Standard Deviation, CV = Coefficient of Variation \*\*Factory calibration limits

#### Fixed volumes \*\*

| Cat. No | Description                           | Volume | Inacc µl | Inacc % | Imprec s.d.* µl | CV % | Color Code | Finntip                     |
|---------|---------------------------------------|--------|----------|---------|-----------------|------|------------|-----------------------------|
| 4650000 | Finnpipette F3 Fixed Volume 1µl Micro | 1      | ±0,04    | ±4,0    | 0,04            | 4,0  | Pink       | 10, Flex 10                 |
| 4650010 | Finnpipette F3 Fixed Volume 5µl Micro | 5      | ±0,07    | ±1,4    | 0,07            | 1,4  | Pink       | 10, Flex 10                 |
| 4650020 | Finnpipette F3 Fixed Volume 10µl      | 10     | ±0,09    | ±0,9    | 0,08            | 0,8  | Yellow     | 250 Univ, 200 Ext, Flex 300 |
| 4650030 | Finnpipette F3 Fixed Volume 25µl      | 25     | ±0,15    | ±0,6    | 0,13            | 0,5  | Yellow     | 250 Univ, 200 Ext, Flex 300 |
| 4650040 | Finnpipette F3 Fixed Volume 50µl      | 50     | ±0,3     | ±0,6    | 0,2             | 0,4  | Yellow     | 250 Univ, 200 Ext, Flex 300 |
| 4650050 | Finnpipette F3 Fixed Volume 100µl     | 100    | ±0,4     | ±0,4    | 0,3             | 0,3  | Yellow     | 250 Univ, 200 Ext, Flex 300 |
| 4650060 | Finnpipette F3 Fixed Volume 250µl     | 250    | ±1,0     | ±0,4    | 0,8             | 0,3  | Blue       | 1000, Flex 1000             |
| 4650070 | Finnpipette F3 Fixed Volume 500µl     | 500    | ±1,5     | ±0,3    | 1,5             | 0,3  | Blue       | 1000, Flex 1000             |
| 4650080 | Finnpipette F3 Fixed Volume 1000µl    | 1000   | ±3,0     | ±0,3    | 3,0             | 0,3  | Blue       | 1000, Flex 1000             |

\*s.d. = Standard Deviation, CV = Coefficient of Variation \*\*Factory calibration limits

[www.thermo.com/finnpipette](http://www.thermo.com/finnpipette)

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