

Validation Procedure of HMK-22 Fisher Sub Sieve Sizer

1. Fill distilled water

1.1 Before turning on HMK-22 fisher sub sieve sizer fill pressure regulator stand pipe (020114) with distilled water until the water level reaches the mark on the upper side of the pipe.

1.2 Fill outside and inside manometer (020103) with distilled water. With the red pointer pointing the calculator chart (020102), let the parallel bar tangent to the bottom of the concave water in the outside manometer.

2. Adjust the instrument pressure

2.1 Fix an empty sample tube on the fisher sub sieve sizer, turn on and bubble will be observed through the window on the lower part of the pressure regulator stand pipe (020114)

2.2 Water level rises in the outside manometer (020114). When it reaches the red point, it reaches its maximum and the level fluctuates slightly.

Note: No fluctuation during test due to load

3. Calibrating

Remove the sample tube after pressure adjustment and fix the sub sieve sizer calibrator (020112) and adjust the instrument in order to meet three values on the label (High value, Low value and Porosity). After that the instrument is validated and ready for measuring samples.

Calibration Certificate

We hereby certify the HMK-22 fisher sub sieve sizer has been calibrated and inspected stringently according to procedures in international standards.

1. SN:
2. Repeatability Error: $\pm 3\%$
3. Measurement range: 0.2-50 μm
4. High Value:
5. Low Value:
6. Porosity:

By Operator:

Date: