

PRESSURE DENSITY CUP

VF2095

DATASHEET

PRODUCT DESCRIPTION

Density or specific gravity (SG) is affected by entrapped air bubbles in the liquid under test. The TQC VF2095 SG-cup has a fixed internal volume of 100 ml. which is to be compressed by the mechanism of the density cup.

After rotation, agitation or dispersion gas and air can be entrapped within the material. Under pressure the air will dissolve better into the liquid and any bubbles that are left undissolved will be compressed to a fraction of their original size. Density of the liquid is defined at a very high level of repeatability by weighing.

The TQC VF2095 can easily be taken apart to allow easy cleaning.

**STANDARDS**

EN ISO 2811-4. Look up the appropriate standard for a correct execution of the test. The test may only be carried out if all parts of the pressure density cup have an identical serial number.

FEATURES

- Minimizes the effect of entrapped air bubbles
- High level of repeatability
- Easy to clean

SCOPE OF SUPPLY

- Pressure density cup 100 ml
- Desktop holder
- Brush 25 mm and 40 mm
- Calibration certificate

ORDERING INFORMATION

VF2095 Pressure Density Cup

SPECIFICATIONS

Dimensions: LxWxH – 250x 90 x 50mm / 9,8x3,5x2,0 inch

Weight: Pressure density cup: 875 g / 1,93 lbs
Cup, holder, brushes: 1750 g / 3,86 lbs

Material: Stainless steel

Compression 10bar

Volume 100ml*

Accuracy: Valve: +/- 1 bar

Volume: +/-1ml

*The calibration certificate describes the exact volume.

USE

The Pressure Density Cup takes a fixed volume (100 ml) of the sample and compresses it so that any errors due to entrapped air or gas are eliminated. By then weighing the pressurised sample, its true density can be calculated. Repeatability of this test is therefore very good.

SPECIAL CARE

- Though robust in design, this instrument is precision-machined. Never drop it or knock it over
- Always clean the instrument after use.
- Clean the instrument using a soft dry cloth. Never clean the instrument by any mechanical means such as a wire brush or abrasive paper. This may cause, just like the use of aggressive cleaning agents, permanent damage.
- Do not use compressed air to clean the instrument.
- Always keep the instrument in its case when not in use.
- We recommend annual calibration

DISCLAIMER

The right of technical modifications is reserved.

The information given in this sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. Whilst we endeavour to ensure that all advice we give about the product (whether in this sheet or otherwise) is correct we have no control over either the quality or condition of the product or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage (other than death or personal injury resulting from our negligence) arising out of the use of the product. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.