

**PYKNOMETER**

VF2097, VF2098, VF2099, VF2100

MANUAL

**1 PRODUCT DESCRIPTION**

Specific Gravity Cup for determining the specific gravity or density (or weight per gallon wpg) of coatings, pastes or similar liquids.

Density is defined as weight per unit volume at a specified temperature.

Specific Gravity Cups (or Pyknometers) are available in anodised aluminium and stainless steel, 100 ml. and 50 ml.

**1.1 Specifications**

Article number	Material	Volume	Weight
VF2097	Aluminium	100 ml	70g / ± 1g
VF2098	Aluminium	50 ml	61g / ± 1g
VF2099	Stainless Steel	100 ml	198g / ± 1g
VF2100	Stainless Steel	50 ml	146g / ± 1g

**2 STANDARDS**

ISO 2811, DIN 53 217, ASTM D 1475

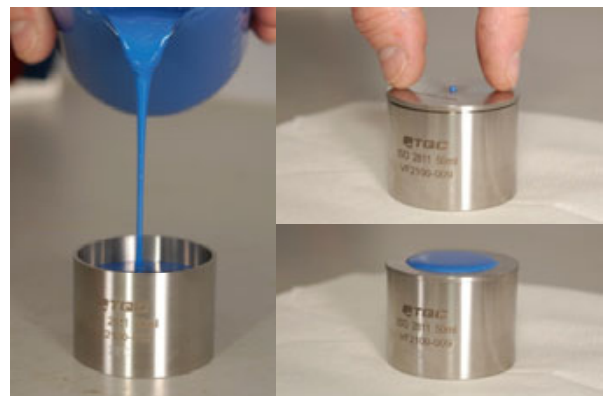
Look up the appropriate standard for a correct execution of the test

**3 WHAT'S IN THE BOX?**

TQC Pyknometer  
Calibration certificate

**4 PERFORM A MEASUREMENT**

1. Weigh cleaned density cup empty and record weight
2. Temper density cup and test liquid (20°C +-0.5°C; 68°F+-1.0°F)
3. Fill density cup
4. Put cover on without tilting
5. Avoid air bubbles
6. Remove overflowing liquid carefully with absorbent cloth
7. Weigh filled density cup
8. Calculate density: Density = weight of filled cup (g) - weight of empty cup (g) ./ Volume of density cup (ml)



## 5 CALIBRATIONS

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We recommend annual calibration. For calibration, send the instrument, together with a RMA form\* to TQC, Molenbaan 19, 2908 LL Capelle aan den IJssel, NL.

\*You can download the RMA form here: <http://www.tqc.eu/en/service/repairs-calibrations/>

## 6 MAINTENANCE

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- 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.
- We recommend annual calibration

## 7 DISCLAIMER

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The right of technical modifications is reserved.

The information given in this manual is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this manual 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 manual 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 manual is liable to modification from time to time in the light of experience and our policy of continuous product development.