

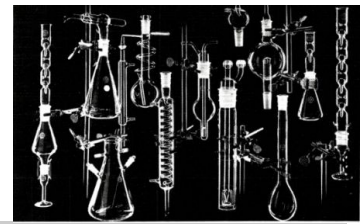


Scientific Glass & Instruments, Inc.

2521 Fairway Park Drive Suite 404

Houston, Texas USA 77092

713-682-1481 p | 713-682-3054 f | sales@sginstr.com |



SGI Accurate Density Gradient Floats

Used in density gradient columns for density determinations of solutions or solids, with an accuracy of better than 0.05%.

SGI Density floats are in use world wide with our over 75 years of density calibration equipment & custom laboratory glassware manufacturing expertise.



SGI Density Floats are custom made to the highest specifications and the density is determined by the pycnometers method as described in ASTM D1505 and are traceable to recognized national standards of density, temperature, and mass and are supplied with a certificate of accuracy for each bead or set of beads.

Density Floats are 5 to 6 mm spheres in diameter and calibrated at 23°C.

Each Float is accurate to +/- 0.0002 gm /ml and is calibrated to a specific density and will remain suspended in a solution of a same density. Each float is custom made to our customers specifications so don't be afraid to ask for anything custom, chances are we have made it!

APPLICATION

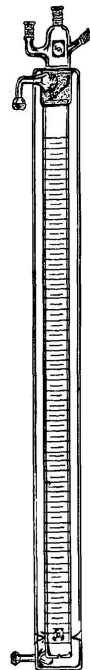
- Calibrated glass Density Floats are introduced into a liquid column exhibiting a density gradient column at a constant temperature.
- The calibrated Floats will descend in the liquid until they stabilize at the level where their density is the same as that of the liquid.
- A calibration chart may then be drawn from the relationships between the suspended Density Floats. Determinations of test sample densities may then be determined by their relationships to the Density Floats either graphically or by calculation, according to ASTM D-1505.

Density Ranges

.7900 - 1.5999 gm/ml in 0.001 increments +/- 0.0003 gm/ml

1.6000 - 2.1000 gm/ml in 0.002 increments +/- 0.0003 gm/ml

Colors available: White, Black, Red, Green, Yellow, Orange, Amber, Purple, Clear and other variants



7100 Density Column