

### Low Volume Flocells

The Low Volume Flocell (LVF) is available for use with either the Q500 or Q700 system. The Flocell (#4650) is equipped with ¼" (6 mm) hose barb fittings and does not include a probe. A ½" (12 mm) replaceable tip probe (#4643) or ½" (13 mm) solid probe (#4644) must be ordered separately. These probes feature a flange for proper mounting with the LVF. The replaceable tip probe is for use with aqueous samples only. Solid tip probes can be used with all types of solvents or low surface tension liquids.

Sonication generates heat so a Water Jacket (#4655) is available if the process requires cooling. The water jacket slides over the LVF and is used to recirculate cold water around the exterior of the flocell body. The water jacket includes ¼" (6 mm) hose barb fittings.

The LVF is recommended for processing sample volumes above 1L. Routine applications include cell lysis, mixing, solubilizing and deagglomerating/dispersing nanoparticles.



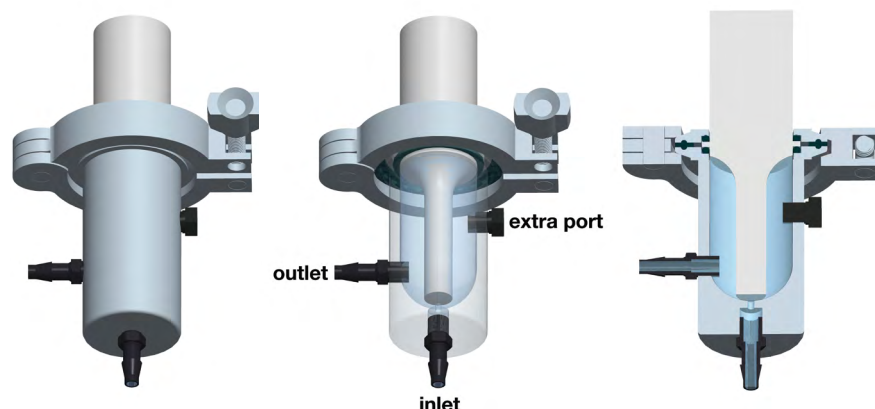
LVF Assembly with Probe



Flocell Assembly with Water Jacket



Probe



Part #	Description
4650	<b>Low Volume Flocell</b> <ul style="list-style-type: none"> <li>• Material: 316L Stainless Steel</li> <li>• Operating pressure: 40-100 psi max.</li> <li>• Internal volume: 65ml</li> <li>• Maximum flow rate: 0.5L/min</li> <li>• Hose barb fittings for ¼" (6 mm) ID tubing</li> <li>• Dimensions (H x D): 9.1 x 3.5 in. 228 x 89 mm) — dimensions include probe and clamp</li> </ul>
4643	<b>½" (13 mm) Replaceable tip probe with flange for #4650</b>
4644	<b>½" (13 mm) Solid tip probe with flange for #4650</b>
4655	<b>Water Jacket for #4650</b>