





No-Purge samplers, also known as grab samplers, collect groundwater water from a discrete depth without introducing sample biases from pumping or purging. Use where standard purging technology is either not efficient or impractical. These Solinst samplers are portable and have no power requirements.

For representative samples, always lower and steadily raise grab samplers slowly to prevent agitation (reduce turbidity and aeration).

Model Number & Groundwater Sampling Device	Sampler Materials	Standard Sizes & Volumes	Sampling Depths	Operation Overview	When Lowering Sampler:	When Retrieving Sampler:
 <p><b>428 BioBailer™</b></p>	<ul style="list-style-type: none"> <li>• Biodegradable PVC</li> </ul>	<p>3/4 &amp; 1.5" diameters</p> <p>3 ft length</p> <p>200 - 1025 mL</p>	<p>&lt;7.5 – 30 m</p> <p>&lt;25 – 100 ft</p>	<ul style="list-style-type: none"> <li>• Bottom check ball <b>only</b>, seals upon retrieval</li> <li>• Disposable, or dedicated</li> </ul>	<ul style="list-style-type: none"> <li>• Water flows through sampler</li> </ul>	<ul style="list-style-type: none"> <li>• Bottom check ball seals upon retrieval</li> <li>• Transparent body allows you to check bailer contents</li> </ul>
 <p><b>429 Point Source Bailer</b></p>	<ul style="list-style-type: none"> <li>• 316 Stainless Steel Body</li> <li>• PTFE Check Balls</li> </ul>	<p>0.5, 1, 1.5, &amp; 2" diameters</p> <p>2, 3, &amp; 4 ft lengths</p> <p>50 - 1930 mL (1 - 10 lbs)</p>	<p>&lt;7.5 – 60 m</p> <p>&lt;25 – 200 ft</p>	<ul style="list-style-type: none"> <li>• Top trigger check ball &amp; bottom check ball, both seal upon retrieval</li> <li>• Reusable</li> </ul>	<ul style="list-style-type: none"> <li>• Water flows through sampler</li> </ul>	<ul style="list-style-type: none"> <li>• Both check balls seal upon retrieval</li> <li>• Top trigger check ball adjusts sample flow</li> </ul>
 <p><b>425 Discrete Interval Sampler</b></p>	<ul style="list-style-type: none"> <li>• 316 Stainless Steel Body</li> <li>• PTFE &amp; polypropylene check balls</li> <li>• LDPE tubing or PTFE tubing</li> </ul>	<p>1, 1.66, &amp; 2" diameters</p> <p>2 &amp; 4 ft lengths</p> <p>190 ml - 1800 mL (16 - 29 lbs)</p>	<p>&lt;7.5 – 90 m</p> <p>&lt;25 – 300 ft</p>	<ul style="list-style-type: none"> <li>• Pressure activated</li> <li>• Top check ball (floats) &amp; bottom check ball (sinks), both seal upon lowering &amp; retrieval</li> <li>• Reusable</li> </ul>	<ul style="list-style-type: none"> <li>• Water <b>does not</b> flow through sampler</li> </ul>	<ul style="list-style-type: none"> <li>• Both check balls are sealed before retrieval (pressure activated)</li> <li>• Sample retrieval device controls sample flow</li> </ul>
 <p><b>425-D Deep Sampling Discrete Interval Sampler</b></p>	<ul style="list-style-type: none"> <li>• 316 Stainless Steel Body</li> <li>• Delrin piston</li> <li>• Vyon filter</li> <li>• LDPE tubing or PTFE tubing</li> </ul>	<p>1.66" diameter</p> <p>2 ft length</p> <p>420 ml</p>	<p>&lt;50 – 1200 m</p> <p>&lt;160 – 4000 ft</p>	<ul style="list-style-type: none"> <li>• Pressure activated</li> <li>• Pressure acts on the top of a piston (larger surface area) overcoming the hydrostatic pressure acting on the bottom of the piston (smaller surface area) to allow sample to enter</li> <li>• Reusable</li> </ul>	<ul style="list-style-type: none"> <li>• Water <b>does not</b> flow through sampler</li> </ul>	<ul style="list-style-type: none"> <li>• Sampler is vented and piston seals before retrieval</li> <li>• Pressure controls sample flow</li> </ul>