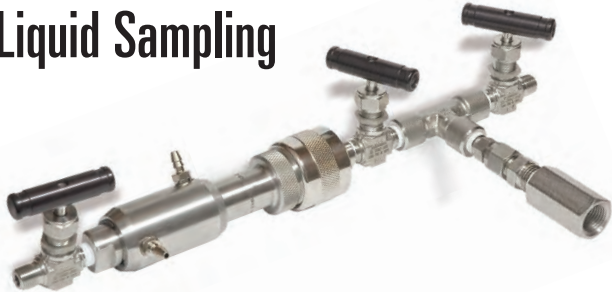


# Liquid Sampling



## Sample Collection Vessel

A **sample collection vessel** can be added to most reactor systems. Designed to efficiently and safely allow for the withdrawal of liquid or vapor samples at elevated temperatures and pressures, this quick close, O-ring seal vessel has a volume of 5 mL or 10 mL and is designed for operating pressures to 3000 psi (200 bar).

The typical arrangement for this sample vessel includes a cooling sleeve, isolation and vent valves. A drain valve may also be added to the vessel.

The isolation valve is mounted at the head of this vessel and is used to seal the vessel once the sample is transferred. The vent valve is installed in a tee and is used to release

any residual pressure in the line between the sample valve and the sample vessel. Samples can be removed either by opening the collection vessel and pouring it out or by use of the drain valve.

Standard material of construction is T316 Stainless Steel but it can be provided in any of the other alloys if required. A high pressure 25 mL or 75 mL sample collection vessel without a cooling sleeve for pressures to 5000 psi is available upon request.

## Sample Collection Vessels

Part No.	Description
4351	Sample Collection vessel, 10 mL, with cooling sleeve, isolation & vent valves for connection to 1/8" NPT valves
4352	Sample Collection vessel, 10 mL, with cooling sleeve, isolation & vent valves for connection to 1/4" NPT valves
4353	Sample Collection vessel, 10 mL, with cooling sleeve, isolation & vent valves for connection to 3/8" NPT valves
-D	Optional Drain Valve