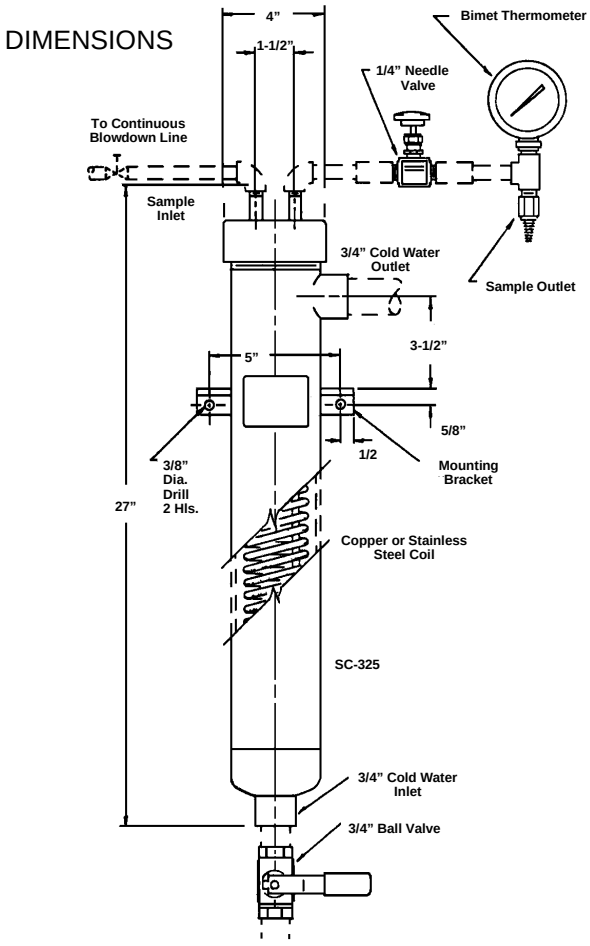
⑥ “The Sampler” Sample Cooler

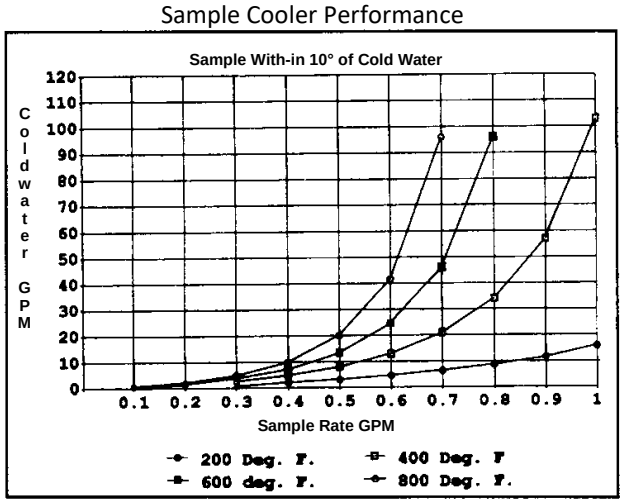
Boiler Water Cooling Under Pressure for Safe Accurate Samples

When boiler water samples are taken without being cooled under pressure as much as 20% of the sample can flash to steam leaving a greater concentration of solids in the boiler water and inaccurate readings when making your analysis. The purpose of the SC325 sample cooler is to cool samples under pressure so accurate sampling can be made.

- **Copper or Stainless Coil** - Removable threaded cap can be disassembled for coil cleaning and replacement.
- **ASME Code Rated -** Each unit is designed and stamped for 250 psig @ 400°F in accordance with the ASME Code Sec. VIII, Div. 1 .
- **With or Without Accessories -** Can be supplied as shown complete with sample needle valve, cooling water valve, thermometer, tee, and hose connection.
- **Cools to within 10°F** - The performance chart below shows performance of sample coolers when cooling to within 10°F of the cooling



Sample Cooler Performance



Sample Cooler Suggested Specification:

Furnish and Install as shown on plans a Penn Model SC 325 Sample Cooler with (Stainless or Copper) removable coil. Units shall be of a welded steel body, ASME Code designed and stamped for 250 psig at 400 deg. F. Special units are available for sampling to 1500 psig. Connections shall be threaded and include a 1/4” sample inlet and outlet, and a 3/4” cooling water inlet and outlet. Unit comes supplied (With or Without) Accessories.

Accessories if requested shall include a 1/4” sample needle valve, 3/4” cooling water ball valve, bi-metal thermometer, tee, and Sample hose connection.

The sample cooler should include a angle iron mounting bracket with 3/8” holes drilled on 5” centers. The exterior of the sample cooler will be a shop primer finish.

⑦ Chemical Feeder

Boiler Treatment Feeders for Adding Boiler Water Chemicals:

Three models of chemical feeders are available a SF-250 Shot Feeder, AF 251 Adjustable Feeder, and IF 252 Inline Feeder. All are welded carbon steel construction. ASME Code designed and stamped for 250 psig at 450 deg. F. Each comes with the necessary accessories for that model. They feature 14” heads welded together to create a 8” wide vessel which has a capacity of 2.5 Gallons. The exterior includes a shop primer finish.