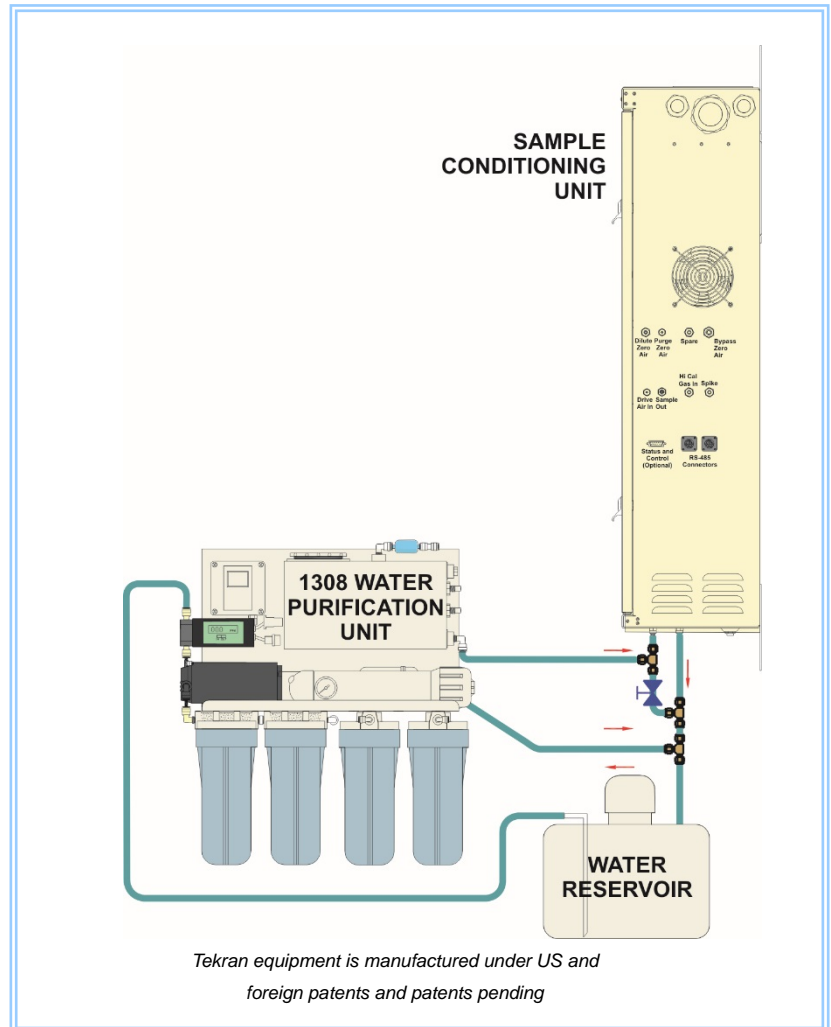


Model 1308 – Recirculating Water Conditioning System

Rev. 052015

The **Tekran® Model 1308 Recirculating Water Purification System** is an inexpensive, convenient source of deionized, mercury-free water for the **Series 3300Xi Mercury CEM**. The system has two stages of pre-filtration to eliminate all particulate and organic contamination in the water. A reverse osmosis (R/O) unit then removes the bulk of ionic material. Two stages of finishing ion exchange (IX) resin filters then remove any remaining ionic compounds, including mercury. The R/O unit ensures that the final IX filters have extremely long life.

The **Model 1308** can supply enough water for up to **four** CEM systems. The long-life filter elements are simple to change, inexpensive, and can last for several years. (*Lifetime may vary depending on original water charge supplied and flue gas matrix*)



Product Highlights

- Two stage particulate & carbon pre-filtering
- Two stage ion exchange resin final filters
- Water purity monitor verifies proper operation
- Simple, rapid changing of filter elements
- Reverse osmosis (RO) membrane
- Holding tank has two day supply of purified water
- Includes booster pump to pressurize system
- Long life, inexpensive replacement filter elements

Applications of Series 3300 CEM

- Coal fired power plants
- Waste incinerators
- Other industrial sources
- Speciation studies
- Bench scale testing
- Mercury removal process monitoring

Specifications

Inlet Water Pre-Charge

Ideal

Acceptable

5 gal. (20 L) pre-charge of deionized water

5 gal. (20 L) pre-charge of municipal grade potable water

Physical

Mounting Board Dimensions

21" W x 24" H (wall mount)

Water Inlet fitting

1/4" OD tube fitting

Water Outlet fitting

1/8" OD tube (Teflon)

R/O Drain water connection

1/4" OD tubing

Tank overflow water connection

1/4" OD tubing

Holding tank size

6.5 liters

Power Requirement

Unit with pressure booster pump

1.1 A, 115 VAC (max)

Miscellaneous

Time to produce 3 L purified water

45 minutes (warm water)

Product Features

