

ULTRAPURE WATER PRODUCTION SYSTEM, ULTRAPURE WATER
PRODUCTION FEED SYSTEM, AND METHOD FOR CLEANING THEREOF

Abstract

Contaminants present inside an ultrapure water production system is prevented from being fed into a feed pipe connected to a water use point and, after sterilization cleaning has been performed, the system is prevented from being contaminated by contaminants captured on a microparticle removal membrane, during sterilization cleaning being performed. Ultrapure water having high quality is thereby fed to a water use point (use point) within a short period of time. An ultrapure water production system is provided with a tank 11, a pump 12, a heat exchanger 13, an ultraviolet device 14, an ion-exchange device 15, a first microparticle removal membrane device 16, and a second microparticle removal membrane device 17. Part of sterilization water and flush water is fed into the first microparticle removal membrane device 16 and discharged from a feedwater-side portion to a concentrated-water-side portion without permeating through a microparticle removal membrane thereof, and the remaining part of the water is passed through the second microparticle removal membrane device 17.

FIGURE 5a