

Containerized Ultrafiltration Systems

10ft, 20ft and 40ft containers

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SERIES

Pure Aqua's containerized ultrafiltration systems are self contained, turnkey units that can function on-the-go or as a permanent water treatment plant, able to start producing high-quality water in less than a day after arrival on-site. Pure Aqua containerized ultrafiltration systems are made to order, meaning that your containerized system will be specifically engineered to meet your water treatment requirements. Each containerized ultrafiltration system is engineered with high-quality components to handle all types of harsh conditions.



50 GPMx3 containerized ultrafiltration system 40 ft

Pure Aqua supplies a full line of standard and fully customizable water treatment systems, all of which are engineered using advanced 3D computer modeling and process design software.



50 GPM Ultrafiltration system



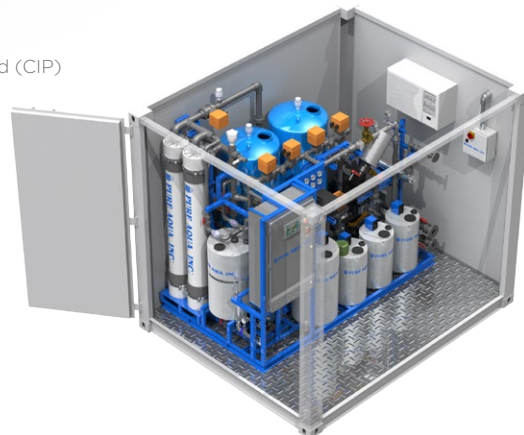
Integrated clean-in-place skid (CIP)

Standard Features

- 20ft and 40ft standard shipping container
- Centralized external connections
- Interconnecting piping and wiring
- Overhead lighting
- 110V/460V/3Ph/60Hz power supply
- Pretreatment mounting and plumbing
- Centralized control panel
- Operations and maintenance manuals
- Full 3D/2D CAD drawings

Available Options

- 10ft standard non seaworthy container
- Air conditioning unit
- Clean-in-place skid (CIP)
- 380-415V/3Ph/50Hz power supply
- 220V/3Ph/60Hz power supply
- Chemical dosing systems (CEB 1, 2, 3)
- Diamond plate flooring
- Insulation for temperature control



Containerized ultrafiltration system 10ft

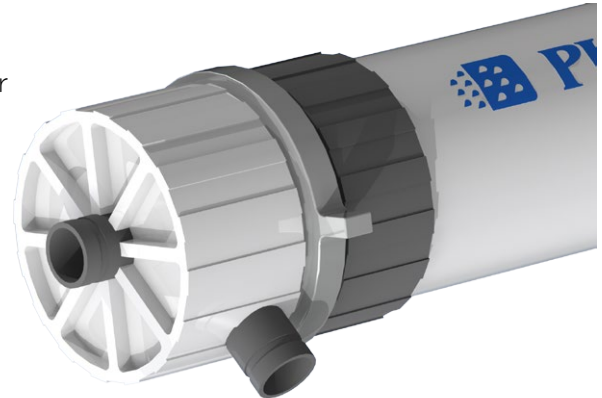
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Ultrafiltration Module

The modules are built with a robust outside-in PVDF fiber technology. The hollow fibers feature high clean-ability, low chemical consumption, high recovery, and a superior combination of mechanical properties and chemical resistance. These modules are certified under NSF/ANSI Standard 61 for safe use in drinking water applications.



Operation Specifications

- Max. feed water temperature: 40°C
- Feed water pressure: 20 to 30 psi
- Operating pressure: 30 to 70 psi
- Backwash frequency 20-60 minutes
- TOC < 10 max. < 40 mg/L
- Turbidity < 50 max. 300 NTU
- Cl₂ 0.5 ppm (2,000 cleaning)
- COD max. < 60 mg/L



3 x 50 GPM containerized ultrafiltration system in one 40 ft container

Weights and Dimensions

Container Size	Non Insulated Container			Insulated Container	
	10 ft	20 ft	40 ft	20 ft	40 ft
External length (in.)	114	236	472	236	472
External width (in.)	94	94	94	94	94
External height (in.)	98	98	98	98	98
Internal length (in.)	110	228	472	216	452
Internal width (in.)	90	90	90	87	87
Internal height (in.)	101	101	101	98	98
Tare weight (lbs.)	3,200	4,800	7,300	6,500	9,400
Max gross weight tons	20	24	30	24	30
Access	1 double-door				

Pure Aqua also supplies: Multimedia Pretreatment, Activated Carbon Pretreatment, Water Conditioning, Chemical Dosing Systems, Ultraviolet (UV) Sterilizers and Ozonation Systems.

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