

ULTRAFILTRATION (UF)

TECHNOLOGIES UTILIZED

An Ultrafiltration (UF) is operated using hydrophilic capillary membranes for a high-percentage separation of suspended and dissolved molecules. The hollow-fiber membrane will only allow water to pass through while leaving behind molecules such as compounds, oils, and suspended solids. The membrane is made of thin hollow-fibers with an interior diameter up to 2.0mm and is a barrier to contaminants and pollution.

The Crystal Quest® Ultrafiltration systems have external membrane configuration where the feed water remains on the exterior of the membrane fiber only allowing filtered water through it's core. The UF membrane can be backwashed by pumping water in the opposite direction of the feed flow.



Crystal Quest and Quest Water Technologies participate in all phases of water treatment technology, ranging from product research and development, innovative design, advanced engineering, to manufacturing. Additionally, our systems are manufactured with Scientific World Products components.

SPECIFICATIONS

Raw Water Capacity	7 GPM (450 l/h)
Treated Water Capacity	6 GPM (350 l/h)
Dimensions	51" L x 32" W x 73" H
Approximate Dry Weight	900 lbs
Approximate Operating Weight	1,000 lbs
Ambient Temperature	5 - 35 C

APPLICATIONS

- Reverse-Osmosis pretreatment
- Process separation or recovery
- Drinking water treatment
- Tertiary wastewater or pretreated water treatment

