



UF Pilot Testing



Dow UF Module

Tonka Ultrafiltration Pilots Feature Dow™ State-of-the-Art UF Membranes

A Tonka Ultrafiltration Pilot Study will provide all the answers you need for full-scale design and state regulatory approval.

Tonka combines our experience from nearly 2,000 customized drinking water system installations with the most respected name in membranes, Dow™ Water & Process Solutions.

Applications

- Drinking Water
- Tertiary Effluent
- Aquifer Storage
- RO Pretreatment

The Tonka Advantage

- Customized pilot to suit your needs
- Pretreatment integration
- Simple set up with on-site training
- Easy to operate
- Automatic data acquisition

Pilot Features

- One (1) Dow UF Module
- Self-cleaning minimum 130 micron strainer
- PLC controls with data acquisition and storage
- Feed/backwash pump
- Influent and effluent turbidimeters
- Flowmeter
- Air compressor
- HDPE permeate tank
- Automated integrity testing
- Clean-in-Place system



Tonka UF Pilot System

Pilot Equipment General Data

Operating Ranges

Recovery: 90 – 99%
Temperature: 0-104F (0-40C)
Feed flow: 20 – 40 gpm
Permeate: 18 – 38 gpm
Concentrate: 1-5 gpm

Dimensions

Length: 84"
Width: 48"
Height: 110"/90"
Weight: 1,500 lbs.

Power Requirements

230/460 VAC, 15A, 3-phase, 60 HZ

Materials of Construction

Piping: Sch. 80 PVC
Frame/enclosures: painted steel

Connections

Feed flow: 2" NPT, 30-90 psi
Permeate: 2" NPT, gravity drain
Concentrate: 2" NPT, gravity drain



Tonka UF Pilot Unit On Location



Ultrafiltration

Dow™ ultrafiltration elements feature advanced PVDF chemistry, manufacturing quality & uniformity, and the best research & technical support available.

Membrane

Dow™ SFP-2880 or SFP-2860
PVDF hollow-fiber
NSF 61 certified
ETV and California Title 22 certified elements available

Dow™ Ultrafiltration Benefits

State-of-the-art fouling resistance
Advanced chemical resistance
Log Removal Credit (LRC)
Pathogen exclusion
Particle free water
Consistent water quality
Outside/in filtration direction

Call us if you have site-specific constraints. We can customize a complete pilot study including pre-treatment for your application.

TONKA EQUIPMENT COMPANY

The Leader in Customized Solutions

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