

# Membrane Separation Trailer

The Membrane Separation mobile unit from Siemens Water Technologies is a self-contained, trailer-mounted system configured with up to four skid-mounted reverse osmosis (RO) units. The trailer can be configured as a 180 gpm, two-pass RO unit for applications requiring extensive DI polishing. The system is capable of flow rates up to 400 gpm per trailer in single-pass mode.

The flexibility derived from our standardized membrane separation units, coupled with this unique trailer design, enables Siemens to customize a process to meet your specific flow and quality requirements.

Mobile systems contain instrumentation and equipment for a fully automated and monitored operation. Chemical feed skids and fail-safe shut down controls are also included to ensure efficient and reliable operation.

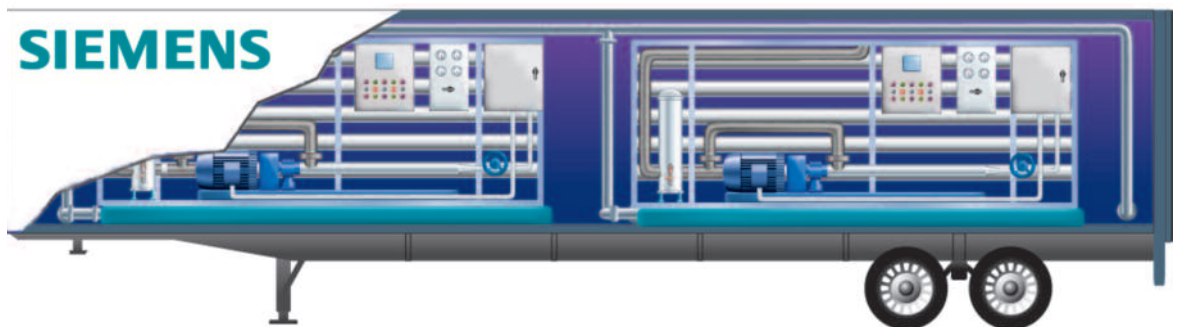
Mobile systems are ideal for temporary or long-term water treatment on various water streams. Our skilled installation team and field technicians are available to expedite installation and to provide on-going operating and maintenance service.

Siemens Water Technologies guarantees the quality, quantity and cost of produced water of its mobile treatment systems. All mobile systems are backed with an inventory of critical components, in addition to a large fleet of mobile demineralization equipment. Our service team is on call 24-hours per day to meet your demands.

Call Siemens for your water treatment requirements. We have over 80 local service facilities across the United States and Canada, ready to service your needs.

## Mobile Systems Provide Reliable Service for:

- Temporary or long-term water treatment requirements
- Pilot plant operations on various water streams
- Treatment for seasonal peaks or scheduled maintenance
- Regeneration-free deionization
- On-site operational expertise



## North America Service Branch Network



### Specifications:

Dimensions (LxWxH) . . . . .	40', 45' or 48' x 8'-9" x 13'6"
Shipping Weight . . . . .	35,000 lbs. (4 unit configuration)
Operating Weight . . . . .	45,000 lbs. (4 unit configuration)
Feed Water (gpm) . . . . .	133/RO unit @ 40-90 psig
Product Water (gpm) . . . . .	100/RO unit @ 10-50 psig
Drain (gpm)	
Concentrate . . . . .	33/RO unit @ 10-50 psig
Electrical Requirements . . . . .	480 V / 3 ph / 60 Hz / 350 amp
Air Requirements . . . . .	None
Service Connections	
Inlet/Outlet/Drain . . . . .	2 x 4" / 2 x 4" / 1 x 3"
Control Panel/ PLC . . . . .	NEMA 4X / Allen-Bradley SLC-5/02
Option . . . . .	Remote I/O Panel / PLC Interface

FlexRO® reverse osmosis unit . . . . . Model 100

Membranes (TFC or CA\*)

    Array / Quantity . . . . . 3:2:1(4M) / 24

    Membrane Area (sq. ft.) . . . . . 365/ Element (typical)

Instrumentation

- Flow indicator
- Conductivity meter
- Cartridge prefilter
- System pressure gauges

\* flow and recovery rates will be different with cellulose acetate membranes

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