Membrane Separation Trailer Plus (MST+)

The Membrane Separation Trailer Plus (MST+) mobile unit from Xylem is a self-contained, trailer-mounted system configured with two 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 Xylem to customize a process to meet your specific flow and quality requirements.

MST+ Trailers contain instrumentation, remote monitoring, variable frequency drives, HMI 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.

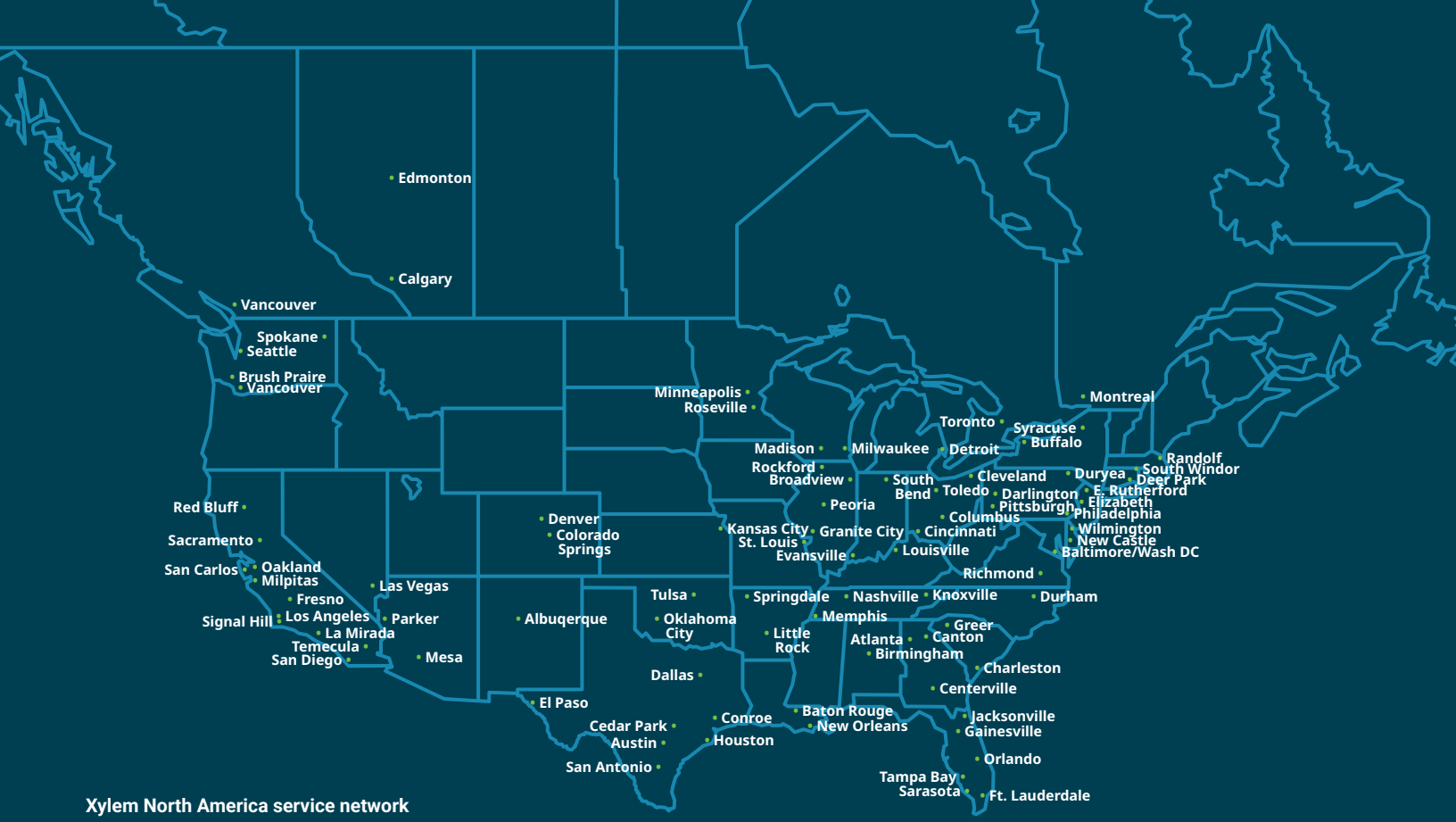
Xylem guarantees the quality, quantity and cost of produced water of its mobile treatment systems. All mobile systems are backed with an inventory of critical components, in addition to a large fleet of mobile demineralization equipment. Our service team is on call 24-hours per day to meet your demands.

Call Xylem for your water treatment requirements. We have over 85 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



Xylem North America service network

Specifications

Dimensions (l x w x h)	53' x 8'-6' x 13'6"
Shipping weight	28,000 lbs.
Operating weight	42,000 lbs.
Feed water (gpm)	533 @ 40-90 psig
Product water (gpm)	400 @ 10-50 psig
Drain (gpm)	133 @ 10-50 psig
Electrical requirements	480 V / 3 ph / 60 Hz / 250 amp
Air requirements	4 scfm @ 80-90 psig
Service connections inlet / outlet / drain	6" / 6" / 4" 2 x 4"/ 2 x 4"/ 1 x 3"
Control panel	NEMA 4
Reverse osmosis unit	Vantage™ M84-048
Membranes (TFC) array / quantity	6:4:2 (4M) / 24
Membrane area (sq. ft.)	400 / Element (typical)

Instrumentation

- Flow meters
- Conductivity meter
- Meters
- HMI
- Pressure transmitters
- Pressure gauges
- Variable frequency drives

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