



Pall IMPRO™: Intelligent Maximum Performance Reverse Osmosis

impro™

Pall Water's new **IMPRO™ Reverse Osmosis (RO) systems** have solved the limitations of traditional RO, making operation easier and more reliable, while saving significant amounts of money, water and energy. Intelligently designed to fit in a 53' trailer, the IMPRO provides a maximum performance high recovery RO system on demand, to give you the water you need, when and where you need it.

When facing source water problems, downtime from equipment malfunctions or emergencies, seasonal surges in consumption, or increased demand that exceeds system capacity, the IMPRO can be rapidly deployed to meet your needs.

THE BENEFITS

- **Higher Recovery:** Packaged filtration system recovers up to 95% of wastewater, significantly more than conventional RO
- **Minimum Waste Disposal:** Highest guaranteed recovery reduces disposal costs compared to traditional membrane technologies
- **Intelligent Operation:** Automatically adapts to variations in feed water composition, temperature, and flow
- **Reduced Energy Consumption:** Operates near thermodynamic minimum



PERFORMANCE SPECIFICATIONS

Capacity	700 gpm* (2 x 350 gpm); 2,650 lpm (2 x 1,325 lpm)
Water Recovery	80 to 95%
Arrays	1-stage (16 x 6M), CCD operation**
Maximum Pressure	Approx. 350 psi (24 bar)

*Water quality dependent

**Closed Circuit Reverse Osmosis (CCRO) process used with permission from Desalitech

CONTAINER DETAILS

Type	Trailer with attached axles/ wheel set
Length	53 – 0' (16.2 m) (plus front-mounted HVAC unit)
Height	13 – 6' (4.1 m)
Width	8 – 6' (2.6 m)
Weight Dry/Wet	47,000 lbs / 78,000 lbs (22,000 kg / 36,000 kg)

TRAILER CONNECTIONS

Type	Grooved
Material	SS316 SCH40
Raw Water Inlet	8 in (200 mm)
Permeate Outlet	6 in (150 mm)
Concentrate Outlet	4 in (100 mm)
CIP/Other Waste Outlet	4 in (100 mm)

SYSTEM

Membrane	8 inch spiral wound NF or RO – application dependent
Permeate Outlet Pressure	< 45 psig (3 bar)
Water Temp Range	33 to 113 deg F (1 to 45 deg C)

SPECIAL FEATURES

Two trains provides redundancy

Operator Work Station integrated to Aria™ FAST Systems

Interior temperature controlled via on-board HVAC system

INSTRUMENTATION AND ELECTRICAL

Service	Single 480 VAC, 3 phase, 60Hz service required, 400 FLA
Connectivity	Wireless remote Pall support and/or customer control available



Americas: +1 (866) 475.0115
EMEA: +49 (0) 671 79610 325
APAC: +61 (0)2 4340 8900

[@Pall_Water](#) | [company/pallwater](#) | [info@pallwater.com](#)

[pallwater.com](#)

Pall Water has installations all over the globe. To speak to a Pall Water representative in your area, please go to [www.pallwater.com](#).

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your local representative to verify that this information remains valid.

© Copyright 2017, Pall Corporation. Pall, and Aria are trademarks of Pall Corporation. ® Indicates a trademark registered in the USA. ™ is a common law mark in the USA and is a service mark of Pall Corporation. Document ID: PWIMPROMOBILEDSb.