

high flow RO mobile series

flexible, efficient, reliable

SUEZ offers some of the most versatile, high capacity mobile fleets on the market, supplying ultrapure water to industrial users on an emergency, scheduled, or long-term basis.

high flexibility

- 24/7 on demand rapid deployment of mobile assets to support customer needs
- can combine with other SUEZ mobile products to enhance system capability
- handles large variations in raw water quality

InSight* enabled fleet

- 24/7 data monitoring platform that is securely stored, processed, and analyzed to create meaningful and actionable information
- demand prediction and quicker decisions on equipment performance ensuring optimal performance for our customers
- focus on your business while SUEZ takes care of the water

high treatment capacity with smaller footprint

- compact, high capacity fleet allows you to get the most water production with a single fleet
- a highly efficient footprint and layout minimizes infrastructure requirements and cost
- double pass or two trains operability in a single system

description and use

SUEZ's mobile water treatment systems provide industrial users with quick, easy, and reliable solutions to their water treatment needs. They can be used for a variety of applications ranging from emergency treatment, scheduled plant maintenance/refurbishment, or long-term treatment. SUEZ's High Flow mobile series includes the "Big Boy" 500 gpm trailer and the Super 600/700 gpm mobile containers.

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."

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The mobile ROs contain the necessary hardware to monitor system operation including inlet and permeate conductivity, inlet pH/ORP meters, concentrate and permeate flow meters, and pre-filter/post-filter pressure transmitters. The mobile RO units also contain the necessary chemical pumps essential for maintaining the required water quality specifications.

key features

- Easily transportable
- Remote diagnostic via InSight platform
- Single/double pass operability
- Proven, reliable barrier technology
- Factory tested and ready for installation
- Flexible; able to combine with other mobile products to enhance system capability
- 99.9% removal of dissolved ions, bacteria, pyrogens, organics, particles, colloids, color, and oxidizing agents

typical applications

- Supplemental or emergency service to support in-house equipment for water purification
- TDS reduction prior to demineralization
- TOC reduction for boiler feed water use
- Post-treatment of DI water to remove bacteria, endo-toxins and other contaminants such as colloidal silica in ultrapure water systems

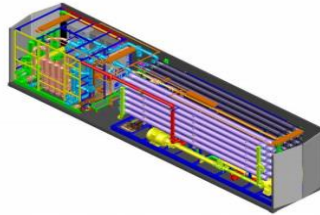


Figure 1: SUEZ "Big Boy" 500 gpm trailer

Figure 2: SUEZ Super 600 container

Figure 3: SUEZ Super 700 container

Table 1: General Specifications

Model	"Big Boy" 500 RO	Super 600 Mobile RO	Super 700 Mobile RO			
Dimensions						
Format	Trailer	Container	Container			
Dimensions (LxWxH)	48' x 8' 6" x 13' 6" (14.6 x 2.6 x 4.1 m)	40' x 8' x 9' 6" (12.2 x 2.4 x 2.9 m)	40' x 8' x 9' 6" (12.2 x 2.4 x 2.9 m)			
Shipping Wt.	50,000 lb (22,680 kg)	50,400 lb (22,900 kg)	50,000 lb (22,700 kg)			
Operating Wt.	54,000 lb (24,500 kg)	60,400 lb (27,400 kg)	54,500 lb (24,500 kg)			
System on Board						
Single Pass Product Flow	Up to 600 gpm (136 m ³ /h)	Up to 650 gpm (148 m ³ /h)	Up to 700 gpm (159 m ³ /h)			
Two Pass Product Flow	Up to 300 gpm (68 m ³ /h)	Up to 350 gpm (80 m ³ /h)	Up to 300 gpm (68 m ³ /h)			
Recovery	75%	75%	60 – 75%			
Rejection	95 – 99%	95 – 99%	95 – 99%			
Operating Temperature Range	50° – 85°F (10° – 29°C)	35° – 100°F (2° – 38°C)	35° – 100°F (2° – 38°C)			
Inlet Pressure Range	30 – 60 psig (2 – 4 bar)	30 – 80 psig (2 – 5.5 bar)	30 – 60 psig (2 – 4 bar)			
SDI ₁₅	3	3	3			
Connections						
Connection Type	Victaulic/Flange	150# Flange	150# Flange			
Inlet	6" (152 mm)	6" (152 mm)	2 x 6" (2 x 152 mm)			
Outlet (Permeate)	6" (152 mm)	6" (152 mm)	6" (152 mm)			
Waste (Concentrate)	3" (76 mm)	3" (76 mm)	4" (102 mm)			
Inlet CIP	4" (102 mm)	2 x 4" (102 mm)	2 x 4" (2 x 102 mm)			
Outlet Permeate CIP	6" (152 mm)	2 x 4" (102 mm)	2 x 4" (2 x 102 mm)			
Outlet Concentrate CIP	3" (76 mm)	2 x 3" (76 mm)	2 x 3" (2 x 76 mm)			
Caustic Injection	½" FNPT	½" FNPT	½" FNPT			
Electrical						
Power	460 VAC, 60 Hz, 3 phase	380/460 VAC, 50/60 Hz, 3 phase	460 VAC, 60 Hz, 3 phase			
Breaker size	Two 250 A	250 A/400 A	250 A/400 A			
Motor HP (TEFC)	3 x 75 HP (56 kW)	3 x 100 HP (75 kW)	3 x 100 HP (75 kW)			
Instrumentation						
PLC	GE Fanuc	Allen Bradley	GE Fanuc			
Customer Tie-in	Analog (4-20 mA) and/or discrete tank level inputs are available for customer automatic shutdown and control.					
	Inlet	Outlet	Inlet	Outlet	Inlet	Outlet
Flow		x		x	x	x
Temperature	x	x	x			x
Conductivity	x	x	x	x	x	x
Pressure	x	x	x		x	x
pH/ORP	x		x		x	