



Presents:

## Water Potabilization plant



- **Mobile drinking water units:**



Design and construction of mobile water purification units from any form of supply such as rivers, lakes, wells or sea water.

Luce Srl mobile drinking water units are designed to obtain a complete water purification process according to quality standards for human consumption starting from water whose characteristics are not exactly known and are particularly suitable in situations of water emergency in case of earthquakes or other natural disasters.

Mobile water purification units Luce Srl are designed to be easily transported on wheeled trailers.

They are also equipped on request with a generator for autonomous operation or in some cases equipped with power supply with photovoltaic panels.



The supply program of the mobile drinking water units Luce Srl also includes a series of services and accessories such as: liter sterile bags for drinking use, flexible tanks type "bladders" from 3,000 to 20,000 liters, spare parts kits, chemical products and consumables, training of operators in the field or c / o our. Headquarters.

## - Product Description (CROS)



Imagine the strength and purification power of a large-scale reverse osmosis plant. That power can now be at the fingertips of anyone anywhere in the world, and requiring only the space of a forty-foot container. Luce CROS (Containerized Reverse Osmosis System) is a self-contained, turnkey system that can function on-the-go or as a permanent water treatment plant, able to start pumping high-quality product in less than a day after arrival on-site. Our containerized reverse osmosis systems are made to order, meaning your system will be specifically tailored to your water treatment requirements, containing all the amenities your reverse osmosis system could possibly need.

Containerized reverse osmosis systems are the future in membrane water treatment. Capable of producing up to one million gallons of water per day from a single forty foot container, with built-in pretreatment and membrane cleaning, containerized systems are redefining the standards of water treatment plants worldwide.

Take the advantages of an industrial reverse osmosis system - high rejection of metals, minerals, and chemical contaminants, a high recovery rate, and sturdy built-to-last design - and make it portable, able to be transported anywhere in the world where potable water may be necessary. All these features can be yours in addition to a collection of benefits unique to containerized systems.

Each of our CROS series containerized reverse osmosis systems starts with a water need - your need, and goes from there. At Pure Aqua, we work directly with our clients from the ground up, keeping them involved with the construction and design of their containerized system every step of the way. The end product they receive is a completely unique system tailored to their needs and specifications. Some of the special features that can be installed in a containerized system include insulation and centralized heating and cooling, keeping your industrial reverse osmosis system safe from even the harshest elements. A water purification plant can be available anywhere you can ship a twenty or forty-foot container.



**- Models and Dimensions:**

Container Size	Standard Container			Insulated Container	
	10ft	20ft	40ft	20ft	40ft
<b>External</b>					
Length (m)	2.9	6	12.2	6	12.2
Width (m)	2.4	2.4	2.4	2.4	2.4
Height (m)	2.5	2.5	2.5	2.5	2.5
<b>Internal</b>					
Length (m)	2.8	5.8	12	5.5	11.5
Width (m)	2.3	2.3	2.2	2.2	2.2
Height (m)	2.3	2.4	2.4	2.2	2.5
<b>Cubic Capacity (m<sup>3</sup>)</b>	16	33	67	28	67
<b>Tare weight (kg)</b>	1450	2170	3310	2950	4250
<b>Max Gross Weight (tons)</b>	20	24	30	30	34
<b>Access</b>	1 double-door				

**- Features**

Containerized water treatment plants have many advantages over built-in plant room installations and have a plethora of special options available:		
<ul style="list-style-type: none"> <li>• Plug and play unit</li> <li>• Mobile: useful for construction sites</li> <li>• Small foot print</li> <li>• Centralized atmospheric controls available</li> <li>• Training and servicing guidelines included</li> </ul>	<ul style="list-style-type: none"> <li>• Easy transportation</li> <li>• Limited civil work (only container foundation)</li> <li>• Reinforced diamond-plate flooring available</li> <li>• Self-contained pre-treatment and cleaning available</li> </ul>	<ul style="list-style-type: none"> <li>• Quick installation</li> <li>• Turnkey delivery: piping, cables, air conditioning</li> <li>• Insulation and weather protection available</li> <li>• Overall less expensive than a permanent structure</li> </ul>

**- Applications**

The ideal applications for a Containerized RO system include primarily include temporary installations or water supplies, labor camps (mining installations, construction, etc.), military water supplies, and disaster relief, but can also serve in almost any situation where a reverse osmosis plant is used:	
<ul style="list-style-type: none"> <li>• Power and Energy</li> <li>• Groundwater Remediation</li> <li>• Food &amp; Drinking Water</li> <li>• Desalination</li> <li>• Mining</li> <li>• Water Recycling &amp; Reuse</li> </ul>	<ul style="list-style-type: none"> <li>• Treated Sewage Effluent</li> <li>• Off-Shore Applications</li> <li>• Island Applications</li> <li>• Fossil Water</li> <li>• Environmental Conservation</li> <li>• Dust Suppression</li> <li>• Boiler and Feed (Ultrapure) Water</li> <li>• Brackish Water</li> <li>• Armed Services</li> <li>• Aquifer Recharging</li> </ul>

## Thanks for the attention



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