

PRODUCT:	REVERSE OSMOSIS SYSTEM OSMO6
REV. (yyymmdd):	210408
REFERENCE:	AGE004260

GENERAL CHARACTERISTICS:

DESCRIPTION	Reverse osmosis and water deionization equipment. Produces Type II ASTM purified water.
 <p>The image shows two views of the OSMO5 water purification unit. The front view (left) features a blue frame and a central grey panel with a red control panel at the top. The red panel includes a digital display showing '11.1', '11.1', '11.1', and '11.1', along with icons for water, a person, a drop, and a checkmark. The back view (right) shows the same unit from the rear, highlighting the power cord, a red emergency stop button, and three large white water outlets at the bottom labeled 'DEPOSITO', 'ENTRADA', and 'ENCHAZO'.</p>	
APPLICATIONS	<p>Water deionization and purification by reverse osmosis.</p> <p>The purified produced water is suitable for the preparation of seminal doses for AI in swines.</p>
PURIFICATION MECHANISMS	<p>Water is purified by the following mechanisms:</p> <ul style="list-style-type: none"> - Pretreatment by filtration - Treatment by activated carbon - Reverse osmosis - Treatment by mixed bed resins

PRODUCT SPECIFICATIONS

DC 16

Edic.: 03



WATER QUALITY

INLET WATER REQUIREMENTS	
Water type	Drinking water
Conductivity	< 1500 $\mu\text{S}/\text{cm}$ (< 800 ppm TDS)
Dureza	< 30 $^{\circ}\text{F}$
Pressure	1 - 4 bar
Temperature	6-30 $^{\circ}\text{C}$
Maximum SDI	≤ 5

PURIFIED WATER CHARACTERISTICS	
Grade	Type II ASTM (analytical grade). Not suitable for human or animal consumption
Conductivity	< 0,2 $\mu\text{S}/\text{cm}$
Resistivity	$\geq 5 \text{ M}\Omega\cdot\text{cm}$ a 25 $^{\circ}\text{C}$

SPECIFICATIONS:

EXTERNAL	
Size	290 x 530 x 520 mm
Weight	15 kg
Outer materials	Stainless steel and aluminum with epoxy coating

TECHNICAL DETAILS	
Power requirement	110 - 220V
Frequency	50 – 60 Hz
Power consumption	50 W
Conectivity	RS-232
Screen	LCD 4 x 24
Production capacity	10 l/h (240 l/day) $\pm 15 \%$

STORAGE AND PLACEMENT	
Table-top equipment. Place on a horizontal surface.	
Keep away from heat and cold sources. Temperature ranges: 10 – 40 $^{\circ}\text{C}$	

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CONSUMABLES AND ACCESSORIES

CARTRIDGES		
TYPE	SHELF LIFE	ADDITIONAL INFO
Activated carbon FT-83	1800 hours of operation / 1 year	5-units pack
Mixed bed resin	Depending on inlet water quality	5-units pack
Reverse osmosis membrane	Up to 3600 operation hours	Two options: 10 l/h and 20 l/h
Amicrobic	Require change at the same time as resin	Individual sale

OPTIONAL EQUIPMENT

Stainless steel tank with additional disinfection by UV radiation
Stainless steel tank of 50, 100, 150, 200, 300 or 400 liters.