

## PRODUCT SPECIFICATIONS

DC 16

Edic.: 03



<b>PRODUCT:</b>	REVERSE OSMOSIS SYSTEM OSMO6
<b>REV. (yymmdd):</b>	210408
<b>REFERENCE:</b>	AGE004260

### GENERAL CHARACTERISTICS:

<b>DESCRIPTION</b>	Reverse osmosis and water deionization equipment. Produces Type II ASTM purified water.
	
<b>APPLICATIONS</b>	Water deionization and purification by reverse osmosis. The purified produced water is suitable for the preparation of seminal doses for AI in swines.
<b>PURIFICATION MECHANISMS</b>	Water is purified by the following mechanisms: <ul style="list-style-type: none"><li>- Pretreatment by filtration</li><li>- Treatment by activated carbon</li><li>- Reverse osmosis</li><li>- Treatment by mixed bed resins</li></ul>

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### WATER QUALITY

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

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

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### CONSUMABLES AND ACCESORIES

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.