






# GUIDE FOR THE SELECTION OF PRODUCTS

After having taken into consideration the various quality standards proposed as well as the numerous and varied market requests, a guide for the selection of the product most suitable for a specific application could prove most useful. The following table highlights the main requests linked to the standard and product to be selected.

APPLICATIONS	PURITY GRADE	PRODUCT SELECTION	page
<ul style="list-style-type: none"> <li>High precision laboratory uses:</li> <li>molecular biology - cellular culture</li> <li>ionic chromatography</li> <li>inductively coupled mass spectrometry</li> <li>spectrophotometry atomic absorption</li> <li>high precision organic analysis</li> <li>TOC analysis</li> <li>high performance liquid chromatography HPLC</li> <li>high precision metal analysis</li> <li>dilution of reagents</li> <li>rinsing glass items</li> </ul>	<p><b>QUALITY STANDARD</b></p> <p>According to ISO 3696: level 1 According to ASTM: type 1 According to NCCLS: type 1</p> <p>EL.SPEC. RESISTIVITY 25°C <b>18,2 MOhm.cm</b></p>	 <p><b>UPW refiner/ UPW refiner fr</b></p>	<b>6</b>
<ul style="list-style-type: none"> <li>HPLC chromatography</li> <li>Spectro-photometric analysis under atomic absorption</li> <li>Reagents preparation/dilution</li> <li>Colorimetric and qualitative analysis</li> <li>Feeding of ultra-pure water systems, surge tanks, etc.</li> <li>Feeding of glass works washers</li> <li>Feeding of steam generators</li> <li>Feeding of continuous distillers</li> </ul>	<p><b>QUALITY STANDARD</b></p> <p>According to ISO 3696: level 2 According to ASTM: type 2 According to NCCLS: type 2 According to EP: conform</p> <p>EL.SPEC. RESISTIVITY 25°C <b>10-18,2 MOhm.cm</b></p>	 <p><b>OSMO LAB UPW 2</b></p>	<b>10</b>
<ul style="list-style-type: none"> <li>Generalised laboratory uses</li> <li>Colorimetric and qualitative analyses</li> <li>Reagents preparation/dilution</li> <li>Rinsing glass items</li> <li>Feeding of thermostatic baths</li> <li><u>Feeding of continuous- distillers</u></li> </ul>	<p><b>QUALITY STANDARD</b></p> <p>According to ISO 3696: level 3 According to ASTM: type 3 According to NCCLS: type 3 According to EP: conform</p> <p>EL.SPEC. RESISTIVITY 25°C <b>5 MOhm.cm</b></p>	 <p><b>OSMO LAB 2</b></p>	<b>12</b>
<ul style="list-style-type: none"> <li>Generalised laboratory uses</li> <li>rinsing glass items</li> <li>Reagents preparation/dilution</li> <li>Colorimetric and qualitative analyses</li> <li>Feeding of thermostatic baths</li> <li><u>Feeding of continuous-operation distillers</u></li> </ul>	<p><b>QUALITY STANDARD</b></p> <p>According to ISO 3696: level 3 According to ASTM: type 4 According to NCCLS: type 3</p> <p>EL.SPEC. RESISTIVITY 25°C <b>5 MOhm.cm</b></p>	 <p><b>OSMO LAB PR 20d</b></p>	<b>14</b>
<ul style="list-style-type: none"> <li>Feeding of systems for extra-pure water, surge tanks, and general-purpose boilers.</li> <li>Feeding of glass-washing systems</li> <li>Feeding of steam generators</li> <li>Ultrasonic, thermostatic baths</li> </ul>	<p><b>QUALITY STANDARD</b></p> <p>Purified Water, produced only by reverse osmosis system</p>	 <p><b>OSMO FEED</b></p>	<b>22</b>

**RO VERSION**

- Feeding of systems for extra-pure water, surge tanks, and general-purpose boilers.
- Feeding of glass-washing systems
- Feeding of steam generators
- Ultrasonic, thermostatic baths
- *Industrial use*

**DEMI VERSION**

- Generalised laboratory uses
- Rinsing glass items
- Reagents preparation/dilution
- Colorimetric and qualitative analyses
- Feeding of thermostatic baths
- Industrial use

**DEMI2 VERSION**

- HPLC chromatography
- Spectro-photometric analysis under atomic absorption
- Reagents preparation/dilution
- Colorimetric and qualitative analysis
- Feeding of ultra-pure water systems, surge tanks, etc.
- Feeding of glass items washers
- Feeding of steam generators

**QUALITY STANDARD****BASE VERSION**

Purified water  
produced only by reverse osmosis system

**DEMI VERSION**

According to ISO 3696: level 3  
According to ASTM: type 3  
According to NCCLS: type 3

**DEMI 2 VERSION**

According to ISO 3696: level 2  
According to ASTM: type 2  
According to NCCLS: type 2  
According to EP: conform

EL.SPEC. RESISTIVITY 25°C

**DEMI 2 VERS. :  
10 MOhm.cm**

**DEMI VERS. :  
5 MOhm.cm**



**RO 15-30-60 cubic**

**16**



**RO 30-60-90**

**24**

**RO 160-250-400**

**30**

**BASE VERSION**

food industry

fine chemical industry (detergents)

Greenhouses. prepar. acidic water or poor salt

Industrial laundries

Autoclaves, steam boilers in general

**General industrial uses, process water**

**BiOs VERSION**

Pharmaceutical industry

Electroplating industry

Rinse usually seeds worked

Rinse glassware and lenses for optical

Industrial preparation of reagents

**General industrial uses, process water**

**BiOs-EDI VERSION**

Electronic industry

Electroplating fine industry

Production chemistry laboratory reagents

**Medical industry**

General industrial uses, process water

**As indicated in the BiOs VERSION**

**QUALITY STANDARD****BASE VERSION**

Purified Water,  
produced only by reverse osmosis system

**BiOs VERSION**

According to ISO 3696: grade 3  
According to ASTM: type 3  
According to NCCLS: type 3  
**According to EP: conform**

**BiOs-EDI VERSION**

According to ISO 3696: grade 2  
According to ASTM: type 2  
According to NCCLS: type 2

EL.SPEC. RESISTIVITY 25°C

**BiOs-EDI VERS. :  
10-18 MOhm.cm**



**RO 750**

**36**

**RO 1000**

**38**

**RO 1500**

**40**

**RO 2500**

**42**

**RO 4000-8000-12000 44**

**QUALITY STANDARD**

- Industrial applications of high precision
- scientific Research
- Supply critical equipment large laboratories

According to ISO 3696: grado 1

According to ASTM: tipo 1

According to NCCLS: tipo 1

EL.SPEC. RESISTIVITY 25°C

**18,2 MOhm.cm**



**REFINER INDUSTRY**

**54**