



The sterilization company

**EN 1717**  
COMPLYING

Committed to quality and innovation

# PURITY OR2

## Osmotic Reverse Water Treatment System

In the last years the sterilization techniques have largely improved.

The new class B standards have insured the sterilization of all critical instruments, included handpieces. In spite of that, the new fractionated vacuum technique, require a lot of water and consequently the need of purchasing good demineralized water.

in order to eliminate the daily water purchase, many companies are offering nowadays a direct link to the water network, but outwardly nobody take care about the very important norm EN 1717 addressed to protect the water network by unwished contamination.

Dental X is happy to introduce the new demineralization system PURITY OR.2 for the direct water link.

The PURITY OR.2 combine the water purchasing needs with a correct approach to the environment problems (biological risks and the safety reasons).

PURITY OR.2 is a compact system that have to be positioned on the top of the autoclave. It provide automatic water load and the drain.

### Biological Risk

The biological risk is based on the possibility that contaminated water (for example in the case of failed cycle) is rejected into the clean water network. The steam pressure inside the chamber or the depressurization of the water network can push back the contaminated water into the clean water network causing unwished infections.

### EN 1717

The norm regulate the water network connection and show the safety features to be adopted in order to eliminate the biological risk of the water contamination.

In spite of the great interest for this problem, there is a very poor attention about the autoclave water connection systems that can generate biological risks and significant economical damages.

The system PURITY OR.2 developed by Dental X, totally comply with the norm EN 1717.

**Dental X... a partner with a great experience!**



Dental X srl  
via marzotto, 11  
36031 dueville vicenza  
tel. +39 0444 367400  
fax +39 0444 367436  
e mail dentalx@dentalx.it  
internet www.dentalx.it





PURITY OR.2 is the new water supplying system developed by Dental X for Domina Plus B, IMAX B, Steriline B and AXYIA B in order to offer the highest autoclave performances.

PURITY OR.2 have to be connected with the water network.

The system has been design in order to prevent biological risk and water leaks in compliance with EN 1717.

The water treatment is done by a reverse osmotic method with 3 phases Prefilter with active carbon, membrane and a deionizer filter.

With one cartridge kit it is possible to produce 1000/2000 liters of high quality demineralized water.

The maintenance and the cartridges replacement is very easy.

The water quality is controlled directly by the autoclave.

#### **Economy**

Why buy distilled water ? Why not produce high purity water yourself, simply and less expensively ? PURITY OR.2 allows to reduce the water cost more then 80%.

#### **Quality**

Constant water quality, No loss of quality on storage.

#### **Increased capacity**

The use of three different cartridges permit al longer resin life  
In standard situation it possible produce 1000/2000 water liter that can run 2000/4000 autoclave cycles.

#### **Security and Insurance**

No troubles with the autoclave. Longer service life.

#### **Clean instruments**

The very high purity water eliminate stains on instruments and also prevents corrosion.

#### **Designed for everywhere**

Thanks to a powerful and silent pump the system works correctly even when the water pressure is insufficient. Constant efficiency is always granted.

#### **Technical features**

N 1 pre filter with active carbon  
N 1 Osmotic reverse membrane  
N 1 Demineralizer with resin  
Water Input 3/4  
Water drain tube 10 mm  
N 1 transformer 230V - 24V  
External size:  
W. 450 x D. 510 x H. 140 mm



Dental X srl  
via marzotto,11  
36031 dueville vicenza  
tel. +39 0444 367400  
fax +39 0444 367436  
e mail dentalx@dentalx.it  
internet www.dentalx.it

