



### Economical Reversed Osmosis Water Treatment

- High-quality membranes
- High performance
- High output
- Stops bacteria
- Reduces maintenance of humidifiers
- Reduces wear and tear transducers
- Leak detector
- High temperature shut-off
- Automatic low pressure shut-off

## Demineralised Water

The use of demineralised water is recommended with Contronics humidifiers for the following reasons:

- Any minerals, salts and bacteria that enter the humidifier will cause the water reservoir to become polluted. The integrated flushing program will delay this process but will not prevent it entirely. Depending on the quality of the added water, the water reservoir will eventually become blocked. As a result, the energy of the transducers will no longer be effective, and they will wear out more quickly.
- The minerals and salts (calcium) present in city water will end up in the area to be humidified and could cause annoying deposits of dust.
- Any bacteria present in city water (Legionella) could multiply easily in the relatively warm water in the humidifier and could thereby constitute a health hazard.

## Reversed Osmosis

The Contronics LP series is fitted with a high-quality (Dow Chemical) membrane. Working on the principle of Reverse Osmosis (R.O.), the membrane only allows water molecules to pass through. A flushing system prevents clogging, increases the service life of the membrane and improves performance.

Two preliminary filters are positioned ahead of the membrane: a 5 micron pre-filter and an active carbon filter.

A buffer tank is also included in the delivery. This tank will supply additional water whenever the humidifier is consuming more than the osmosis system is able to supply.

**Under normal operation conditions (10 °C) the capacity of the LP-30BP is 30 l/hr.**

**The city water pressure must be above 1 bar.**

**The LP-30BP is suitable for maximum:**

**4 x HU-85 or**

**1 x HU-245**

## Specifications LP-30BP

	<b>LP-30BP</b>
<i>Maximum production in kg/day at 25 °C</i>	1125
<i>Maximum production in kg/day at 10 °C</i>	720
<i>Retention of salts and minerals (%)</i>	98
<i>Output compared to supplied water (%)</i>	20-35
<i>Maximum temperature (°C)</i>	45
<i>Power consumption (W)</i>	250
<i>Minimum pressure (bar)</i>	1
<i>Dimensions LxWxH (cm)</i>	50x35x54
<i>Content of buffer tank (kg)</i>	10
<i>Buffer tank dimensions (cm)</i>	26 x 40
<i>Inlet pressure buffer tank (bar)</i>	0.45

## Accessories

LP-XXEXT

Connection kit for extra humidifiers.