

## 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.

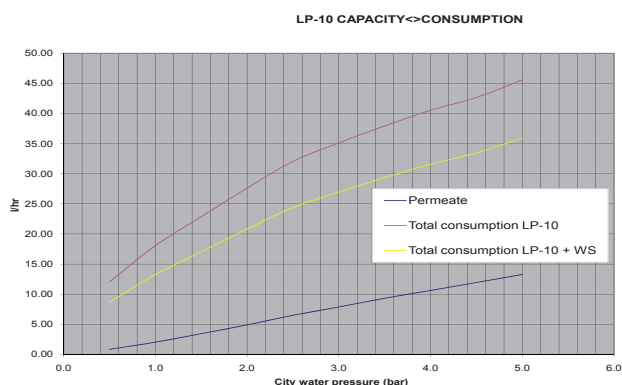
## Reversed Osmosis

- 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.

## Options

For the LP-10, LP-10BP and LP-20BP we have 2 options:

- Water saver<sup>®</sup> (WS), reduces the drain water with 30%.
- Water Safe Guard<sup>®</sup> (WSG), guards continuous the quality of the water.



## General specifications

Retention of salts and minerals (%)	98		
Maximum temperature (°C)	45		
Inlet pressure buffer tank (bar)	0,45		

## Specific specifications



To operate the LP-10 needs 3.5 bar city water pressure.



Developed for city water pressure less than 3.5 bar but above 1 bar.



For city water pressure less than 3.5 bar but above 1 bar.



Operates with bar city water pressure above 1 bar. It has also a leak detector and automatic low pressure- and high temperature shut-off.

	<b>LP-10</b>	<b>LP-10BP</b>	<b>LP-20BP</b>	<b>LP-30BP</b>
Maximum production in kg/day at 25 °C	375	560	750	1125
Maximum production in kg/day at 10 °C	240	360	480	720
Output compared to supplied water (%)	25 - 30 (35 - 40 with a Water Saver (WS))	25 - 30 (35 - 40 with a Water Saver (WS))	25 - 30 (35 - 40 with a Water Saver (WS))	25 - 30
Power consumption (W)	0	25	25	250
Minimum pressure (bar)	2	1	1	1
Dimensions LxWxH (cm)	36x23x38	36x23x46	36x23x46x	50x35x54
Content of buffer tank (kg)	10	10	10	10
Buffer tank dimensions (cm)	26x40	26x40	26x40	26x40



Operates with city water pressure above 1 bar. Automatic low pressure- and high temperature shut-off and leak detector.



R.O Water Treatment with Dosing unit and digital controller. The system can be used to dose fluids like ECAS or natural sanitizes in demineralised water.



R.O water system with 2 x LP-100BP with one combined output.

	<b>LP-60BP/LP-100BP</b>	<b>LP-SYS-001</b>	<b>LP-SYS-004</b>	
Maximum production in kg/day at 25 °C	2225 - 3600	920	7200	
Maximum production in kg/day at 10 °C	1440 - 2310	550	4620	
Output compared to supplied water (%)	25 - 30	33	25 - 30	
Power consumption (W)	250 - 250	255	505	
Minimum pressure (bar)	1 - 1	1	1	
Dimensions LxWxH (cm)	50x35x54 - 36x35x54	75x49x62	475x780x1558	
Content of buffer tank (kg)	10 - 10 (2x)	10	10	
Buffer tank dimensions (cm)	26x40 - 26x40 (2x)	26x40	26x40 (4x)	
Adjustable dosing ratio (%)		0,5 - 5		



P.O Box 144  
5490 AC Sint-Oedenrode  
The Netherlands  
Telephone: +31(0)413-487000  
Website: [www.contronics.nl](http://www.contronics.nl)  
E-mail: [info@contronics.nl](mailto:info@contronics.nl)