



Don't be Afraid of the Water

Condair RO-A  
Reverse Osmosis Water  
Treatment System





## Condair: Your Water Experts

Reverse osmosis (RO), is an effective and economic method of removing unwanted minerals from water. The Condair RO-A system has been developed specifically to provide operation, energy and maintenance benefits to Condair and other humidifiers. By removing the minerals from a humidifier's supply water, any scale buildup in the system is virtually eliminated. This results in a much lower level of required maintenance in all types of humidifiers, as well as reduced energy consumption in steam humidifiers due to reduced unit draining. Benefits of using the RO-A with your adiabatic humidifier include increasing the life of the evaporative pads in evaporative humidifier, and preventing dust carryover in spray humidifiers with substantial cost savings.



RO-A40 / RO-A100

Nortec RO	A40	A100	A200	A300
Power consumption (W)	600	600	600	600
Permeate (L/h) @ 5°C and 2 bar (41°F and 29 PSI)	40 (255 gpm)	100 (635 gpm)	200 (1270 gpm)	300 (1900 gpm)
Permeate (L/h) @ 15°C and 2 bar (59°F and 29 PSI)	70 (445 gpm)	140 (890 gpm)	300 (1900 gpm)	400 (2535 gpm)
Max permeate flow/day (m³/d)	1.68	3.36	7.2	9.6
Recovery hard water	50%			
Recovery softened water	70%			
Inlet pressure	2-5 bar (29-72 PSI)			
Water temperature	5-25°C (41-77°F)			
Salt rejection rate	95-98%			
Power supply	120 V / 1 ~ / 60 Hz			
Power consumption (W)	600			
Connection and dimension				
Inlet water	R 3/4"			
Permeate	R 3/4"			
Drain	9 mm (0.35")			
Dimensions (H x D x W)	815mm x 572mm x 485mm (32.1" x 22.5" x 19.1")			

The RO-A can be easily integrated with any of Condair's humidifiers which feature the Integrated Controller and controlled directly from the humidifier itself; allowing for more simplistic operation. The system can also be controlled independently using a remote controller and paired with existing legacy Condair humidifiers or simply where reverse osmosis water is required.

## System Characteristics

- Reduction of scale and other minerals down to 1-3%.
- Maximal flexibility – complete standalone device or separate components for the configuration of complex individual solutions.
- Perfect integration in systems with Condair RS/ GS humidifiers.
- Touch screen display.

## Additional Options

Pre-Filtration  
Operation / Fault Indicator  
BMS Connection  
Housing  
Water Softener