



Don't be Afraid of the Water

Condair RO-A
Reverse Osmosis Water
Treatment System



Humidification, dehumidification and
evaporative cooling



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.



RO-A 40

Condair RO-A	40	100	200	300
Permeate (L/h) @ 5°C and 2 bar (41°F and 29 PSI)	40 (255 gpd)	100 (635 gpd)	200 (1270 gpd)	300 (1900 gpd)
Permeate (L/h) @ 15°C and 2 bar (59°F and 29 PSI)	70 (445 gpd)	140 (890 gpd)	300 (1900 gpd)	400 (2535 gpd)
Max permeate flow/day (m ³ /d)	1.68	3.36	7.2	9.6
Tank size L (gal)	18 (4.75)	18 (4.75)	132 (35)	132 (35)
Recovery hard water	50%			
Recovery softened water	70%			
Inlet pressure	1.5-6 bar (21.8-87.0 PSI)			
Water temperature	5-20°C (41-68°F)			
Salt rejection rate	95-98%			
Power supply	120 V / 1 ~ / 60 Hz			
Power consumption (W)	600			
Connection and dimension				
Inlet water	3/4" NPT			
Permeate	3/4" NPT			
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 the Condair RS 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 any Condair isothermal 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 humidifiers.

Additional Options

- Pre-Filtration
- Operation / Fault Indicator
- BMS Connection
- Water Softener
- Carbon Filter
- Touch screen display