



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.

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 (m³/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 features 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.



RO-A-40

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

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