

Compressed Air Dryers

Cabinet Dryers Eliminate Moisture Problems in Electrical Cabinets and Motors

Balston CD Series Cabinet Dryers

You demand a lot from your electrical cabinets and motors. They are subject to nightly high pressure, hot wash downs and then expected to remain dry in a refrigerated area. Over time most cabinets develop moisture inside which leads to premature component failures. This interrupts production and costs you money. Expensive vortex coolers or heaters don't work. Vortex coolers use a considerable amount of air and have a high operating cost. Heaters simply raise the humidity of the air inside the cabinet and don't eliminate the moisture.

The Parker Balston Cabinet Dryer serves to reduce the humidity inside the cabinet to less than 10% RH. Any water that infiltrates the cabinet evaporates quickly. Electrical components stay clean and dry which prolongs their life.

Avoid costly down time!

Many plants struggle with moisture problems by managing downtime emergencies. Emergencies divert limited maintenance personnel and disrupt production at the cost of thousands of dollars per hour. The Cabinet Dryer reduces these maintenance and lost production costs by 80% or more. A typical customer will see savings of \$10K - 15K per year. The Cabinet Dryer will operate continuously and reliably without operator attention thus freeing up valuable maintenance personnel who are better devoted to important routine maintenance work rather than daily emergency response.

Product Features:

- Designed specifically for wash down areas
- Protects electrical cabinet components from damage caused by water and high humidity
- Minimizes pools of water inside cabinets
- Positive pressure keeps dust out
- Adds no heat to the cabinet
- Reduces cabinet humidity to less than 10% RH
- Requires no electricity, low operating costs
- Easy to install and maintain
- Quiet operation
- Protect motors, touch screens, drives and other critical components



Do Your Cabinets Look Like This?



Corrosion leads to premature component failure



Water accumulation in electrical cabinet

A Cabinet Dryer will keep your cabinets looking as good as new



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Principal Specifications

Model Number	CD0005	CD0010	CD0030
Cabinet Size Range (2)	0 - 4 FT ³ (0 - 0.11m ³)	4 - 12 FT ³ (0.11m ³ - 0.34m ³)	12 - 36 FT ³ (0.34m ³ - 1m ³)
Min/Max Inlet Air Temp	40°F/120°F (4°C/49°C)	40°F/120°F (4°C/49°C)	40°F/120°F (4°C/49°C)
Min/Max Ambient Air Temp	35°F/120°F (2°C/49°C)	35°F/120°F (2°C/49°C)	35°F/120°F (2°C/49°C)
Air Consumption	0.6 SCFM (17 slpm)	1.25 SCFM (35.4 slpm)	3.5 SCFM (99 slpm)
Min/Max Air Pressure	60 psi/150 psi (4.1 BAR/10.3 BAR)	60 psi/150 psi (4.1 BAR/10.3 BAR)	60 psi/150 psi (4.1 BAR/10.3 BAR)
Delivered Dew Point	-7°F(-22°C) (1)	-7°F(-22°C) (1)	-7°F(-22°C) (1)
Inlet and Outlet Port Size	1/4" NPT	1/4" NPT	1/4" NPT
Electrical Requirements	None	None	None
Dimensions	3"w x 9.2"h x 2"d (7.6cm x 2.34cm x 5cm)	3"w x 15.2"h x 2"d (7.6cm x 38.6cm x 5cm)	4.6"w x 15.3"h x 2.9"d (11.7cm x 38.9cm x 7.4cm)
Shipping Weight	1.5 lbs (0.68 kg)	2 lbs (0.9 kg)	2.5 lbs (1.1 kg)

Notes:

- 1 Delivered dewpoint is specified for saturated inlet air at 100°F (38°C) and 100 psig (6.9 BAR).
- 2 If the cabinet is not tightly sealed, consider upsizing to the next module size.
- 3 Filtration efficiency: 99.99% at 0.01micron.
- 4 For heavily contaminated air lines, install additional prefiltration.

Ordering Information For assistance call toll free at 800-343-4048, 8AM to 5PM EST

Model Number	CD0005	CD0010	CD0030
Replacement Filter Elements	070-063-BX	070-063-BX	070-063-BX
Replacement Auto Drain	C02-2392	C02-2392	C02-2392

Here's what our customers say:

"We tried heaters, fans and vortex coolers, our only solution was to use a Parker Balston dryer that continuously purges the cabinet with dry air."

- Lee Clarkson
Ross Industries

"I've been with Smithfield for 15 years and we've had issues with wet electrical cabinets for 15 years. We installed the cabinet dryer on our wet-test cabinet to see if it would work. Our Multivac™ packager was having significant issues. It was out of service 2-3 times per week due to condensation inside the cabinet. When we installed the dryer we noticed a difference right away. The water droplets on the walls of the cabinet were gone and our downtime from moisture was completely eliminated. It worked just like they told me."

Maintenance Manager
Large Meat Processing Plant



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