



AD SERIES COMPACT DEHUMIDIFYING DRYERS 15-60 CFM (25-100 m³/hr)

The AD Series dryers are quality engineered to provide optimum drying performance under the most demanding conditions. The dual-bed, closed-process loop design incorporates many innovative features that consistently provide -40°F dewpoint in high humidity environments all the way up to 150 grains moisture level. All models include off-the-shelf microprocessor control for process temperature and desiccant regeneration. With high performance features in a simple, compact design, our AD Series dryers combine superior performance with easy operation and serviceability at an affordable price.



AD Series

STANDARD FEATURES

- Off-the-shelf programmable controller and 1/16 DIN digital temperature control
 - Standard units 180°F to 250°F
 - Low temperature units 120°F to 180°F
 - High temperature units 250°F to 400°F
- 13X molecular sieve
- Regenerative process blower
- “Process high temp” alarm light
- Process and regeneration high temperature safeties
- 2.5” dryer hose connections
- NFPA79, UL and CUL electrical standards conformance
- NEMA 12 control enclosure
- Electrically-actuated air valve
- Non-fused electrical disconnect
- Branch fusing
- Supply voltage (specify): 208, 230, 460, 575/3/60
- Three-year temperature controller warranty
- 12’ low-temperature return air hose
- 12’ high-temperature silicone dryer delivery air hose with two clamps
- Thermocouple to mount in drying hopper air inlet
- Stainless steel plasticizer trap (with after-cooler) in lieu of standard after-cooler included in temperature package (mounts outside the dryer)

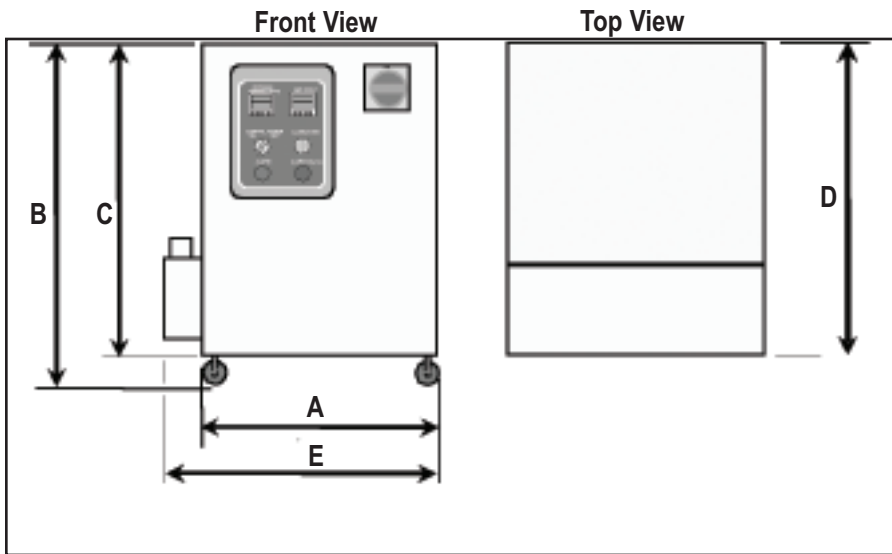
OPTIONAL FEATURES

- Low temperature option 120°F to 180°F (includes a pre-cooler to cool the dry air before entering the process heater)
- High temperature operation of 250°F to 400°F. Includes an insulated process delivery air hose and return air after-cooler to maximize the efficiency of the dryer
- Audible high-process temperature alarm with reset button
- Heavy duty 4” casters
- AP1 Controller, including touch-screen interface, solid state relay for heater control, dewpoint monitor, dirty filter indicator, 7-day timer, material overdrying protection and expanded diagnostics
- Ethernet module for remote communication (with AP1 controller only)
- Dewpoint monitor (15 to -40°F) (standard with AP1)
- Redundant process air safety: separate temperature controller and thermocouple
- 220/3/50 or 400/3/50 and CE compliance (touch-safe fuse holders for Euro fuses and touch-safe transformer). De-rate cfm by 17% for 50 hz applications

SPECIFICATIONS

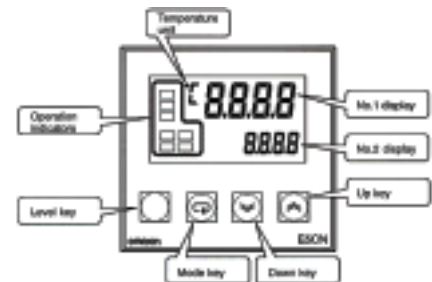
	AD-15	AD-30	AD-60
Process Air Flow, cfm (m ³ /hr)	15 (25)	30 (50)	60 (101)
Standard Voltage	460/3/60		
Full Load Amps	7.7	8.8	17.2
Weight, lbs. (kg)	290 (135)	305 (140)	370 (170)
Recommended Drying Hoppers*, cu. ft. (l)	0.85 (20) or 1.7 (40)	1.7 (40), 3.0 (80), 4.0 (120), or 6.0 (160)	4.0 (120) or 6.0 (160)

* Drying hoppers sold separately.



Dimension	AD-15	AD-30	AD-60
A	20" (51 cm)	20" (51 cm)	24" (61 cm)
B	32.5" (83 cm)	32.5" (83 cm)	32.5" (83 cm)
C	30" (76 cm)	30" (76 cm)	30" (76 cm)
D	30" (76 cm)	30" (76 cm)	34" (86 cm)
E	23.75" (60 cm)	23.75" (60 cm)	28" (71 cm)

STANDARD CONTROLLER



AFTER-COOLERS AND PLASTICIZER TRAPS

After-coolers are used in high temperature drying applications to lower return temperatures and enhance or batch dryer performance. The after-cooler option is required on all models when process temperatures are above 250°F. All after-coolers are mounted inside the dryer cabinet and include external 1/2" NPT cooling water connections.

Dryer Size	AD15	AD30	AD60
After-cooler water flow, gpm (l/m)	3 (11.4)		
Additional shipping weight, lbs. (kg)	10 (4.5)		

All plasticizer trap/after-cooler combinations are mounted outside the cabinet on the back of the dryer.