Industrial

AD-410
AD-310
AD-210

American Dryer Corp.

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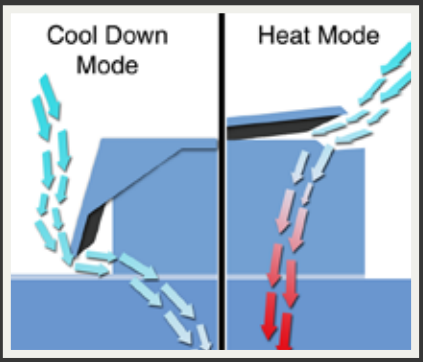
Capacity, economy and the famous ADC quality. The AD-410, AD-310, and AD-210 offer it all

The AD-410, AD-310, and AD-210 (available in gas or steam heat) are the latest in the series of industrial dryers from ADC built upon the principle of large capacity and swift production at an affordable price. With full capacity tumblers and various door and tilt configurations, you are assured the ability to dry fast and efficiently . . . without the large price tag. A unique design for demanding applications.

Gas Heated

ADC gas-fired models utilize atmospheric burners and direct spark ignition for fast response and maximum efficiency.

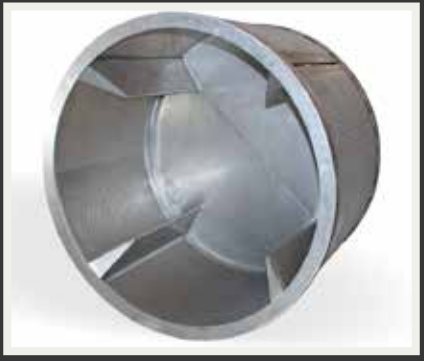


Steam Heated

Steam-heated models utilize high airflow and the trademark ADC steam damper system. The steam damper directs air with a damper, not a valve, for instant heat and cooling. A big improvement over the steam coil abuse caused by valve-operated systems.

Self-Cleaning Blower

All the ADC large capacity dryers use a self-cleaning blower system. By directing compressed air at the fan blades at the end of each drying cycle, any lint buildup that could cause a fan imbalance is removed. This extends fan and bearing life.



Stainless Steel Basket Standard

ADC uses a 14-gauge stainless steel basket supported on machined tumbler rings for durability and smooth tumbler rotation. Stainless steel baskets are an expensive option from other manufacturers.

11" Diameter Drive Wheels

The drive wheels that support and drive the drums for the AD-410, AD-310, and AD-210 dryers are 11" in diameter and are located at four supporting points. The wheels are located outside the heat flow, creating minimal wear.

Computer Controlled

The ADC computer combines 24-volt controls and preprogrammed cycles for electronic reliability and one-touch drying. Press any of the preprogrammed keys for either a timed or automatic cycle. The automatic cycles will dry the load to a specified moisture level.

Lint Drawer

At ADC, another unique feature is a lint drawer located in front of the exhaust fan. This prevents lint from clogging the fan, which causes damaging vibration. This also eliminates the need for costly external lint collectors and reduces lint fire concerns. Many competitors collect lint after it passes the blower.

Heavy-Duty Gear Box

These large capacity ADC dryers use a heavy-duty gear box as part of their tumbler drive system. A reliable way to transfer power from the drive motors to the tumblers, these components are easily accessible behind hinged front panels.

Door/Tilt Configurations

The AD-410, AD-310, and AD-210 dryers are offered in one-way tilt (forward or rear) and two-way tilt as well as single door or pass-through models. Air-operated auto load doors or manual load doors are available.

		AD-210 Non Tilt	AD-210 2-Way Tilt	AD-310	AD-410
Maximum Capacity (Dry Weight)		200 lb (90.72 kg)	200 lb (90.72 kg)	310 lb (140.61 kg)	410 lb (185.97 kg)
Tumbler Diameter		62-1/2" (158.75 cm)	62-1/2" (158.75 cm)	62-1/2" (158.75 cm)	68-3/4" (174.63 cm)
Tumbler Depth		42" (106.7 cm)	42" (106.7 cm)	60" (152.40 cm)	66-3/8" (168.61 cm)
Tumbler Volume		74.5 cu ft (2,109.60 L)	74.5 cu ft (2,109.60 L)	106.50 cu ft (3015.744 L)	143 cu ft (4049.309 L)
Tumbler/Drive Motor		3 hp (2.24 kW)	3 hp (2.24 kW)	5 hp (3.73 kW)	7-1/2 hp (5.59 kW)
Door Opening*		36-3/4" w x 43" h (93.3 cm x 109.2 cm)	36-3/4" w x 43" h (93.3 cm x 109.2 cm)	36-3/4" x 43" (93.35 cm x 109.22 cm)	38" w x 50" h (96.52 cm x 127 cm)
Door Sill Height - Level		36-1/2" (94.6 cm)	37-1/4" (94.6 cm)	36-1/2" (92.71 cm)	39-3/4" (100.97 cm)
Compressed Air Volume		3.25 cfh (0.25 cmh)	9 cfh (0.25 cmh)	11 cfh (0.31 cmh	1-way - 5-1/2 cfh (0.16 cmh) 2-way - 7 cfh (0.2 cmh)
Compressed Air Connection**		1/8" F.N.P.T.	3/8" F.N.P.T.	3/8" F.N.P.T. / 3/8" Quick Connection	3/8" F.N.P.T.
Exhaust Connection (Diameter)		20" (50.8 cm)	20" (50.8 cm)	24" (60.96 cm)	28" (71.12 cm)
Water Connection***		3/4" F.N.P.T.	3/4" F.N.P.T.	3/4" F.N.P.T.	1" F.N.P.T.
Gas	Voltage Available	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz
Gas	Blower/Fan Motor (Rear / Side Exhaust)	7-1/2 hp / 15 hp (5.6 kW / 11.2 kW)	7-1/2 hp / 15 hp (5.6 kW / 11.2 kW)	15 hp / 25 hp (11.19 kW / 18.64 kW)	15 hp (11,2 kW)
Gas	Approx. Net Weight	3,033 lb (1,376 kg)	3,370 lb (1,529 kg)	5,000 lb (2,267.96 kg)	6,300 lb (2,857.63 kg)
Gas	Approx. Shipping Weight	3,195 lb (1,449 kg)	3,670 lb (1,664 kg)	5,310 lb (2,408.58 kg)	6,800 lb (3,084.43 kg)
Gas	Heat Input	650,000 Btu/hr (163,810 kcal/hr)	650,000 Btu/hr (163,810 kcal/hr)	1,125,000 Btu/hr (283,495 kcal/hr)	1,400,000 Btu/hr (352,794 kcal/hr)
Gas	Airflow 50 Hz / 60 Hz	5,300 cfm (150.08 cmm)	5,300 cfm (150.08 cmm)	6,500 cfm (184.06 cmm)	9,200 cfm (260.52 cmm)
Gas	Inlet Pipe Connection	1-1/2" F.N.P.T.	1-1/2" F.N.P.T.	(2) 1-1/2 M.N.P.T. / 1-1/2" M.N.P.T.	1-1/2" F.N.P.T.
Steam	Voltage Available	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz
Steam	Blower/Fan Motor	15 hp (11.2 kW)	15 hp (11.2 kW)	25 hp (18.64 kW)	25 hp (18.7 kW)
Steam	Approx. Net Weight	3,275 lb (1,486 kg)	3,625 lb (1,644 kg)	5,425 lb (2,460.74 kg)	6,800 lb (3,084.43 kg)
Steam	Approx. Shipping Weight	3,437 lb (1,559 kg)	3,925 lb (1,780 kg)	5,735 lb (2,601.35 kg)	7,300 lb (3,311.22 kg)
Steam	Airflow 50 Hz 60 Hz	5,417 cfm (153,38 cmm) 6,500 cfm (184.06 cmm)	5,417 cfm (153,38 cmm) 6,500 cfm (184.06 cmm)	8,500 cfm (240.69 cmm)	10,300 cfm (291.66 cmm)
Steam	Steam Consumption	890 lb/hr (404.5 kg/hr)	890 lb/hr (404.5 kg/hr)	1,153 lb/hr (522.99 kg/hr)	1,257 lb/hr (570.17 kg/hr)
Steam	Operating Steam Pressure	125 psi max (8.6 bar)	125 psi max (8.6 bar)	80 psi (± 10 psi) (5.52 bar (± 0.69 bar)	125 psi max (8.62 bar)
Steam	Boiler Horsepower (Normal Load)	27 Bhp	27 Bhp	35 Bhp	42 Bhp
Steam	Supply Connection	2" M.N.P.T.	1-1/2" M.N.P.T.	2" M.N.P.T.	2" M.N.P.T.
Steam	Return Connection	2" M.N.P.T.	3/4" M.N.P.T.	2" M.N.P.T. (Non-Tilt) 1-1/4" M.N.P.T. (Tilt)	1-1/4" M.N.P.T.

Shaded areas are stated in metric equivalents
* Height is 43-inches (109.22 cm) maximum at the center of the door.
** Dryer must be provided with clean, dry and regulated 80 psi +/- 10 psi (5.51 bar +/- 0.69 bar) air supply.
*** Water supply must be 40 psi +/- 20 psi (2.75 bar +/- 1.37 bar) for fire supporession system to operate properly.

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