

## Industrial Dryers

MD-410  
MD-310  
MD-210



# Capacity, economy and the famous MaxiDry quality. The MD-410, MD-310, and MD-210 offer it all

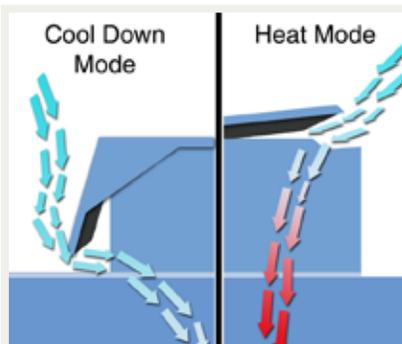
The MD-410, MD-310, and MD-210 (available in gas or steam heat) are the latest in the series of industrial dryers from MaxiDry built upon the principle of large capacity and swift production at an affordable price. With full capacity tumblers and various door and tilt configurations, you are assured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





### **Gas Heated**

MaxiDry 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 MaxiDry 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 MaxiDry 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**

MaxiDry 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 MD-410, MD-310, and MD-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 MaxiDry 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 MaxiDry, 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 MaxiDry 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 MD-410, MD-310, and MD-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.

	MD-210 Non Tilt	MD-210 2-Way Tilt	MD-310	MD-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 cfm (0.25 cmh)	9 cfm (0.25 cmh)	11 cfm (0.31 cmh)	1-way - 5-1/2 cfm (0.16 cmh) 2-way - 7 cfm (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.
<b>Gas</b>	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
	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)
	Approx. Net Weight	3,033 lb (1,376 kg)	3,370 lb (1,529 kg)	5,000 lb (2,267.96 kg)
	Approx. Shipping Weight	3,195 lb (1,449 kg)	3,670 lb (1,664 kg)	5,310 lb (2,408.58 kg)
	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)
	Airflow 50 Hz / 60 Hz	5,300 cfm (150.08 cmm)	5,300 cfm (150.08 cmm)	6,500 cfm (184.06 cmm)
	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.
<b>Steam</b>	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
	Blower/Fan Motor	15 hp (11.2 kW)	15 hp (11.2 kW)	25 hp (18.64 kW)
	Approx. Net Weight	3,275 lb (1,486 kg)	3,625 lb (1,644 kg)	5,425 lb (2,460.74 kg)
	Approx. Shipping Weight	3,437 lb (1,559 kg)	3,925 lb (1,780 kg)	5,735 lb (2,601.35 kg)
	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)
	Steam Consumption	890 lb/hr (404.5 kg/hr)	890 lb/hr (404.5 kg/hr)	1,153 lb/hr (522.99 kg/hr)
	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))
	Boiler Horsepower (Normal Load)	27 Bhp	27 Bhp	35 Bhp
	Supply Connection	2" M.N.P.T.	1-1/2" M.N.P.T.	2" M.N.P.T.
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)	

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 suppression system to operate properly.

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