



WD SERIES HIGH CAPACITY DEHUMIDIFYING DRYERS 350-500 CFM (595-850 m³/hr)

These high capacity models feature twin plenum chambers in each tower for even air flow across desiccant beds. Skid-mounted construction lowers rigging, installation, and maintenance costs.

The WD Series high capacity dryers offer user-friendly, off-the-shelf controls. The unit provides a compact frame with minimum moving parts, easy accessibility for maintenance, and a small footprint. Every dryer is factory-tested before shipment to assure reliable performance for years to come. Optimal desiccant utilization guarantees lowest dew point.



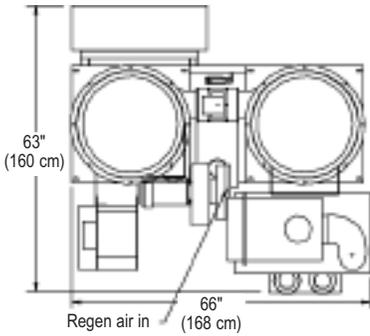
WD Series High Capacity Dryer

STANDARD FEATURES

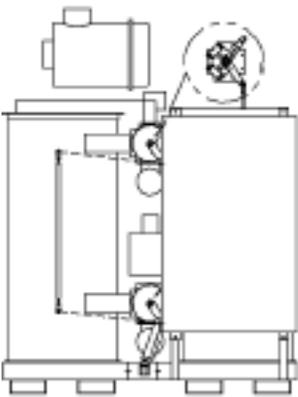
- 160°F - 300°F (71°C - 149°C) output temperature range
- LED readout of set point and process temperatures
- Off-the-shelf PLC controller
- NEMA 12 control enclosure
- Dew point bed switching with dew point meter and dirty filter indication
- Process and regeneration air filters
- Off-the-shelf PID temperature controller
- Mercury contactors on process heaters
- One 12-foot (3.6 m) length and one 20-foot (6.1 m) length of high-temperature flexible hose with four clamps (WD350 model has two 12-foot (3.6 m) lengths with four clamps)
- 4-way air-actuated cast aluminum valves
- Regenerative-type process blower
- Branch fusing
- Alarms for: high dewpoint, dirty filter, high or low process temperature, high or low regeneration air temperature, process or regeneration blower failure
- 460/3/60 supply voltage
- Three-year temperature controller warranty

OPTIONAL FEATURES

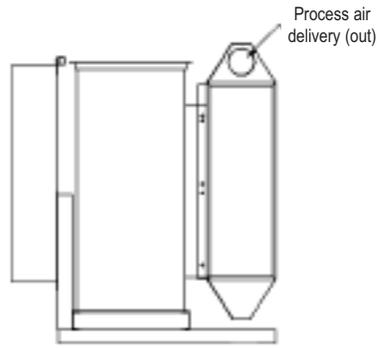
- 208 or 230/3/60, 380, 400 or 415/3/60; 380/3/60; 575/3/60
- Disconnect switch with door-mounted handle: 460/3/60 (non-fused); 230/3/60 (non-fused); 380, 400 or 415/3/50; 380/3/60; 575/3/60
- Heater burnout indicator (ammeters)
- Valve positioning error alarm
- Redundant high-temperature shut-down
- 13X molecular sieve
- Audible and visual alarm annunciator
- High temperature process air delivery filter
- Return air temperature digital display
- 12 ft. insulated process hose
- 7 day timer
- External communication: SPI protocol dual ports, or NX protocols types RS-232C/422/485 single port
- Less process heaters (HE style), less process heaters and controller (CHE style), less process blower, heaters, and controller (BCHE style)
- High temperature operation up to 400°F
- Designed for elevations above 3000 ft.



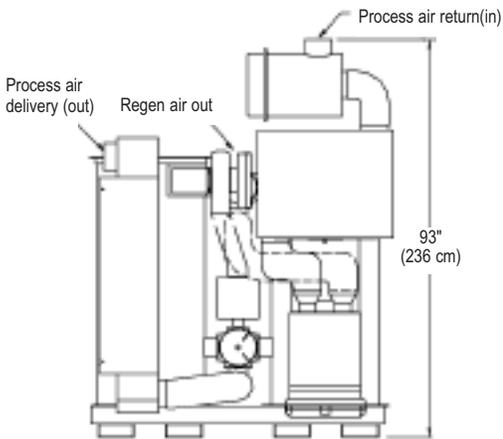
Top View



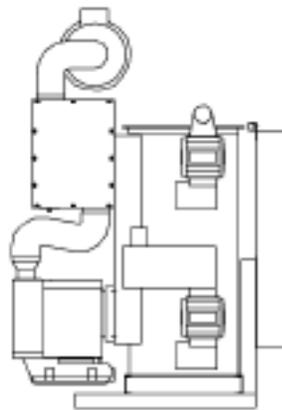
Front View



Right Side View



Rear View



Left Side View

SPECIFICATIONS

Model	Airflow	Hose con. dia.	FLA 460/30/60	Process blower	Regen. Blower	Length in (cm)	Width in (cm)	Height in (cm)	Shipping Weight lbs. (kg)
	cfm (cfh)	in (mm)		hp (kW)	hp (kW)				
WD 350	350 (595)	4 (101)	54	5 (3.73)	0.5 (0.37)	56 (142)	56 (142)	73 (185)	1000 (455)
WD 425	425 (720)	5 (127)	55	7.5 (5.6)	0.5 (0.37)	61 (155)	52 (132)	82 (208)	1100 (500)
WD 500	500 (850)	5 (127)	72	7.5 (5.6)	0.5 (0.37)	63 (160)	66 (168)	94 (239)	1200 (545)

REMOTE-MOUNT DEW POINT MONITORS

Dew point monitors include: meter, set plugs and cord set for 115/1/60, sensor for delivery air, and lights. DMP20 model includes audible alarm with reset button; DMPS model includes output for remote alarm.

DPM20 operating range is -40°F to 10°F (-40°C to -24°C)

DPMS operating range is -80°F to -20°F (-62°C to -29°C)

WD-RT HIGH-TEMPERATURE MODELS

	WD350-RT	WD500-RT
Amp Draw	64	75

AFTER-COOLERS AND PRE-COOLERS

AFT350 through AFT500 models come standard with mild steel housing, copper/steel fin and coil heat exchanger, and flexible hose and clamps.

Aftercoolers are used in high temperature drying applications when process temperatures are above 250°F (121°C). Precoolers are used in low temperature drying applications to hold consistent process temperatures below 170°F (77°C).

Model	After-Cooler	Water Flow, gpm (lpm)	Fitting Size, in. (mm)	Shipping Wt., lbs. (kg)
WD 350	AFT350	7 (26)	0.75 (19)	100 (46)
WD 425	AFT425	10 (37)	1 (25)	120 (55)
WD 500	AFT500	10 (37)	1 (25)	120 (55)

After-coolers and pre-coolers are mounted to the frame and do not increase dryer size.

NOTES: