



HONEYCOMB DESICCANT ROTOR DRYERS

THE LATEST HONEYCOMB MATRIX DESICCANT ROTOR WHEEL TECHNOLOGY

**NO PEAKS
AND VALLEYS**

**MAX-DRY® =
CURRENT STATE OF THE ART DRYING**

WHY OUR HONEYCOMB DESICCANT ROTOR WHEEL SYSTEM IS BEST!

The PPE Desiccant Honeycomb Matrix Rotor Wheel is the most effective desiccant type dryer available in the plastics industry. Because our unique desiccant matrix canister continuously rotates (cycling) it's always in the drying mode position sending dry air to your resin hopper. There are no more peaks and valleys in the dew point of your dried air common to desiccant bead canister type dryers that absorb (saturate) moisture to a point where they must rotate to a fresh dry tank and bake off the saturated desiccant beads. Those dryers operate efficiently at their touted -10° to -40°F dew point on initial start-up, but rapidly lose effectiveness as the desiccant material canister absorbs moisture and becomes saturated. Their effectiveness is further reduced when moisture laden air is recirculated back from the plastics being dried through the desiccant bed which, in fact if hot, can force moisture back into the material being dried. Thus, the introduction of time cycles and moisture monitors are needed to determine when the air flow should be routed to a fresh dry desiccant tank. The wet desiccant tank or cartridge requires regeneration which simply means to dry or bake out the moisture at extremely high temperatures. This air flow change and desiccant bead canister regeneration requires automatic or manual cycling to achieve effective continuous material drying. Therefore, desiccant bead dryers, due to their size and related equipment, including multiple bead canisters, are expensive to purchase, costly to operate and, in most cases, require constant attention.



RELIABLE - AFFORDABLE - CONTINUOUS DRY AIR

Drying Rates*

Resin Type	Drying Temp. (°F)	Drying Time Time (Hrs)	MD-30 (Lbs/Hr)	MD-60 (Lbs/Hr)	MD-100 (Lbs/Hr)	MD-150 (Lbs/Hr)	MD-200 (Lbs/Hr)	MD-300 (Lbs/Hr)	MD-400 (Lbs/Hr)
ABS	180 - 200	2 - 3	30	60	100	150	210	340	480
Acrylic	170 - 190	2 - 3	30	60	100	150	210	340	480
Barex	160	6	30	60	100	150	210	340	480
Noryl	175	2 - 3	23	46	80	120	170	290	385
Nylon 6/6	160 - 190	2 - 3	24	48	90	135	190	325	430
Polycarbonate	250	1.5 - 2	24	48	90	135	190	325	430
PET	325 - 375	3 - 4	20	40	75	115	165	260	350
Polysulfone	250 - 275	4 - 5	23	46	80	120	170	290	385
Polyurethane	180 - 200	3 - 4	30	60	110	160	240	380	520
SAN	180	2 - 3	30	60	110	160	240	380	520

* Times and temperatures are general guidelines. Information on specific resins should be obtained from resin suppliers. Maximum drying temperature is 400°F.



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