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Closed Loop Dryer

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Closed Loop Dryer
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When using a dehumidifying dryer to pre-dry moisture sensitive hygroscopic resins, the dehumidifying dryer's airflow configuration should always be a closed loop. The reason for this is the dehumidifying dryer is sized to remove the relatively small amount of moisture present in the resin being dried, not the large amount of moisture present in the shop's ambient air. Operating a dehumidifying dryer with single pass ambient air will quickly overload the dryer's desiccant, reducing the dehumidifying dryer's performance to that of an ordinary hot air dryer.

- Pete Stoughton, Conair

See also:

- Cool dryer return air
- Dryer inlet air
- Dehumidifying dryers
- Drying temperature
- Installing a dehumidifying drying system
- Pre-drying moisture sensitive polymer

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