



GREEN POWERPURGE™

Ultra-Low Dew Point Dehumidifiers

- Easily achieves -70°F dew points
- Optimizes energy for cooling and reactivation heat
- Annual energy savings are 25% to 45% versus other purge systems
- Qualifies for LEED® building certification

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Ultra-low dew points (-70°F supply air) are required to achieve high levels of product yield and quality control for lithium-ion battery dry rooms and other lithium applications (primary batteries, thermal batteries, and other processes using moisture sensitive components). Most battery manufacturers require a room's moisture levels be maintained as low as -40°F dew point or -28°F dew point.

Munters Green PowerPurge desiccant systems meet the needs of advanced battery manufacturers who need low and precise dew point control, while at the same time realize significant energy savings. Green PowerPurge easily delivers supply air dew points at -70°F while saving between 25% to 45% of the dry room cooling cost and 35% to 50% of desiccant reactivation energy cost.



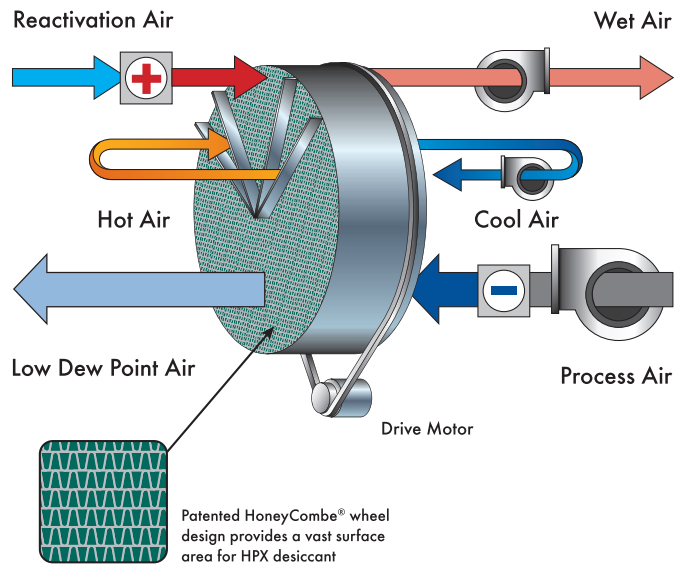
Munters Green PowerPurge™ System Sizes

Model	Moisture Removal with -40°F Return Air	General Dimensions L x W x H (in.)	Supply Air Volume Dry Room (cfm)	Supply Dew Point (°F)
GPP-2250	4,930 gr/hr (.70 lbs/hr)	330 x 43 x 54	2250	-70°F
GPP-4500	9,861 gr/hr (1.40 lbs/hr)	370 x 62 x 106	4500	-70°F
GPP-9000	19,723 gr/hr (2.81 lbs/hr)	424 x 82 x 121	9000	-70°F
GPP-15,000	32,872 gr/hr (4.69 lbs/hr)	436 x 100 x 138	15,000	-70°F
GPP-20,000	43,830 gr/hr (6.26 lbs/hr)	492 x 120 x 138	20,000	-70°F
GPP-30,000	65,745 gr/hr (9.39 lbs/hr)	492 x 160 x 166	30,000	-70°F

Product Advantages

- Smaller chillers or DX condensing units
- Lower kW for desiccant reactivation
- No ultra-dry dry room air required for desiccant reactivation
- 100% welded aluminum systems to eliminate leakage/infiltration
- PLC controls using Siemens or Allen Bradley with communication
- System flexibility for fans, filters, coils, controls
- Gas, electric or steam reactivation
- Chilled water, Glycol or DX refrigeration cooling

Green PowerPurge™ Wheel Flow



Dry Room System Checklist

- Desiccant DH system does not steal dry air for reactivation
 Green PowerPurge™ (GPP) can also use 100% ambient air
- Desiccant DH system is all-welded construction
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- Desiccant DH system supplies -70°F dew point at all times
 All GPP systems are ≤ -70°F supply air
- Desiccant DH wheel has Munters HPX desiccant, not Silica Gel or pure Molecular Sieve desiccant
 All GPP systems use HPX as a standard

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