COMPACT DEHUMIDIFIER
VICTORY PLUS SERIES

FEATURE HIGHLIGHTS

High efficiency and reliability
* A totally self contained unit
* CNC fabricated unit(s) with powder coated finish
* Rotor media has high performance metal silicates synthesized in situ.
* Rotor incorporates robust internal structure with stainless steel perimeter flange for industrial quality, durability and easy serviceability.
* Unit is compatible with both 100 mm and 200 mm deep rotors.
* Rotor perimeter flange extends media and seal life

* Edge hard face coating on rotor ensures long life and good sealing for media and seals.
* Rotor is non-flammable with organics < 2%.
* Process and reactivation air flow sectors are insulated
* Process fan with brushless DC motors for 200 to 1000 CMH units

* Integrated by pass purge air (process air if it is senseful)
* Microprocessor based controller for easy operation and having various options.
* Electrical interlocking of fan motors, heaters and rotor drive.

Easy to operate
* Suitable for continuous operation

Easy to Install
* Several mounting and installation options
* Small footprints; low volume/weight per CMH.

Easy to maintain
* Quick and easy to service
* Unit is compatible with both 100 mm and 200 mm deep rotors.
* Rotor is water washable

Options
* Humidity control through digital humidistat
* Measuring and displaying differential pressure or air flow.
* Touch Screen
* Weatherproof design.

* Temperature display for process inlet/outlet & react outlet
* Power consumption
* Output: 3 x 0…..10V (extra; control valve, SCR)
* PID regulator for variable process air flow
* PID regulator for control valves
* PID regulator for heaters
* Modbus communication

COMPACT DEHUMIDIFIER - VICTORY PLUS... SPECIFICATION

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PROCESS AIR FLOW (CMH)</th>
<th>PROCESS MOTOR (KW)</th>
<th>PROCESS ESP (Pa.)</th>
<th>REACT. AIR FLOW (CMH)</th>
<th>REACT. MOTOR (KW)</th>
<th>React. Heater (KW)</th>
<th>POWER REG. (v/Ø/Hz)</th>
<th>APPROX. WEIGHT Kg.</th>
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</thead>
<tbody>
<tr>
<td>VICTORY PLUS 200</td>
<td>200</td>
<td>0.24</td>
<td>39</td>
<td>200</td>
<td>0.12</td>
<td>1.4</td>
<td>230/1/50</td>
<td>60</td>
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<tr>
<td>VICTORY PLUS 420</td>
<td>420</td>
<td>0.24</td>
<td>83</td>
<td>200</td>
<td>0.12</td>
<td>2.8</td>
<td>230/1/50</td>
<td>70</td>
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<tr>
<td>VICTORY PLUS 700</td>
<td>700</td>
<td>0.3</td>
<td>138</td>
<td>200</td>
<td>0.15</td>
<td>4.8</td>
<td>415/3/50</td>
<td>120</td>
</tr>
<tr>
<td>VICTORY PLUS S 800</td>
<td>800</td>
<td>0.6</td>
<td>160</td>
<td>200</td>
<td>0.3</td>
<td>4.5</td>
<td>415/3/50</td>
<td>132</td>
</tr>
<tr>
<td>VICTORY PLUS 1000</td>
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<td>0.3</td>
<td>137</td>
<td>200</td>
<td>0.15</td>
<td>7.2</td>
<td>415/3/50</td>
<td>125</td>
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<tr>
<td>VICTORY PLUS S 1100**</td>
<td>1150</td>
<td>0.6</td>
<td>400</td>
<td>250</td>
<td>0.3</td>
<td>10.8</td>
<td>415/3/50</td>
<td>160</td>
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<tr>
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<td>1.6</td>
<td>205</td>
<td>200</td>
<td>0.3</td>
<td>10.8</td>
<td>415/3/50</td>
<td>200</td>
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<tr>
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<td>200</td>
<td>0.3</td>
<td>13.9</td>
<td>415/3/50</td>
<td>260</td>
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</tbody>
</table>

* Note: Other voltage available are: 200/220/240/380/440/480 VAC, 1Ph/3Ph, 50/60 Hz
* All above specification is for 100 mm deep rotor only.
* Models are with 200 mm deep Rotor

All Data Subject to Change Without Notice
DIMENSIONAL DATA & DUCT CONNECTION (mm)

1- Process Air Inlet
2- Process Air Outlet
3- Reactivation Air Inlet
4- Reactivation Air Outlet

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<th>Process Duct Connection</th>
<th>Reactivation Duct Connection</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
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<td>VICTORY PLUS 200</td>
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<td>630</td>
<td>400</td>
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<td>VICTORY PLUS 420</td>
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<tr>
<td>VICTORY PLUS 700</td>
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<td>878</td>
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<td>VICTORY PLUS S 1100</td>
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Note: All dimensions in mm.
**PERFORMANCE CHART VICTORY PLUS-SERIES**

Performance charts are for nominal process airflow within the operating range each Victory Plus Series and assumes WPI = WRI. Please consult bry-air for other specific condition.

**Example :-**

**Conditions:**
- process inlet w PI = 12g/kg,
- Process inlet T PI = 20°C

**Chart data :-**
- process outlet w PO = 5g/kg,
- Process outlet T PO = 46.5°C

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<tr>
<td></td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
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<td>VICTORY PLUS 1500</td>
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<td>1180</td>
<td>911</td>
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<tr>
<td>VICTORY PLUS 2000</td>
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<td>1180</td>
<td>911</td>
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Note: All dimensions in mm.