Refrigerated Compressed Air Dryer
PT HP 350/420

GENERAL
High pressure applications need safe and reliable equipment. The refrigerated compressed air dryer series PT HP 350/420 is consequently designed to special high pressure demands. It ensures an optimal conditioning of compressed air for applications up to 350/420 bar.

For compressed air quality of class 4 (acc. DIN ISO 8573-1) modern refrigerated dryers are the most energy efficient and economic solution also for high pressure applications. The almost maintenance-free dryers of series PT HP 350/420 provide highest safety and long lifetime at constant high compressed air quality.

HEAT EXCHANGER
The dryers are equipped with generously dimensioned heat exchanger systems with stainless steel surface and vertical air flow. The heat exchangers work with self cleaning effects. The vertical air flow provides the best possible transport of liquids and particles. Stainless steel avoids corrosion and oxidation, ensures permanent smooth and clean heat exchanger surfaces.

SAPARATOR AND DRAIN
The ACD-modes of our series PT HP 350/420 are equipped with stainless-steel low-speed separators and time-relais condensate drains. Opening-times and -intervals are adjustable to the individual condensate load.

DIGITAL DISPLAY/CONTROL
The cooling circuit of the dryer is digitally controlled. Changes of operation conditions or fluctuations of the compressed air flow become optimally compensated by the combined digital-/GSBV-control.

FEATURES
- Stainless-steel heat exchanger system
- Pressure resistance up to 350/420 bar
- Air flow up to 2,000 l/min
- Pressure dew point 3°C
- Digital display/control
- Stainless-steel separator (ACD-model)
- Condensate drain (ACD-model)
- Compact, robust design
## TECHNICAL DATA

### BASIC Models  without separator, without condensate drain

<table>
<thead>
<tr>
<th>Model</th>
<th>Air flow at 3°C PDP</th>
<th>Operating pressure</th>
<th>Power consumpt.</th>
<th>Air connection</th>
<th>Electr. connection</th>
<th>Dimensions [WxDxH]</th>
<th>Weight [kg]</th>
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</thead>
<tbody>
<tr>
<td>PT 27 HD</td>
<td>27</td>
<td>450</td>
<td>250-350/420</td>
<td>0,42</td>
<td>S12</td>
<td>500x250x805</td>
<td>39</td>
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<tr>
<td>PT 54 HD</td>
<td>54</td>
<td>900</td>
<td>250-350/420</td>
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<tr>
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<tr>
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### ACD Models  with separator, with condensate drain

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### Operating Conditions
- Maximum compressed air inlet temperature: 60°C
- Permitted ambient temperature: 2 – 43°C
- Maximum operating pressure: 350/420 bar

### Reference Conditions
- Pressure dew point (Class 4): 3 °C
- Air flow in relation to: 20 °C / 1 bar
- Compressed air inlet temperature: 35 °C
- Cooling media temperature: 25 °C
- Operating pressure: 250 - 350/420 bar

Subject to change without notice / Last update: 28.06.2013