This heavy-duty, yet portable desiccant air dryer is specifically designed for applications where clean dry air is required for short term use (ex: emergency service, stoppage, turnarounds, supplemental or temporary air supply).

The KTR Series ranges from 500 CFM to 1600 CFM, and has fully integrated aftercoolers and filtration to provide pressure dew points of -40°F to -80°F and meet most common air compressor ratings.

Product Features:

- Heavy duty design made for indoor and outdoor installations
- Rugged design for rental market
- Conveniently portable for field applications
- Provide instrument quality air
- Special paint coating for outdoor and coastal environments
- Sand blasting and preparation
- Fork holes and lifting lugs for easy transportation
- Meets ISO 8573 1.2.1 standards for oil, water and particulate contamination
- Adjustable pressure range
- Adjustable flow requirements
- Adjustable pressure dew point
- NEMA 4X, 115/1/60 electrics - suitable for outdoor operation
- Single point electrical connection via cordset (less than 2 amps)
- Hour meter
- ETL Listed
- Easy installation - Plug and play

Rental Dryer Portable Package
Rental Desiccant Air Dryers
## Technical Information:

<table>
<thead>
<tr>
<th>Model</th>
<th>Flowrate @ 100 psi g (scfm)</th>
<th>Dryer Air In/Out</th>
<th>Maximum Operating Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTR500</td>
<td>500</td>
<td>2” 150# RF Flange</td>
<td>200 (13.8)</td>
</tr>
<tr>
<td>KTR1000</td>
<td>1000</td>
<td>3” 150# RF Flange</td>
<td>200 (13.8)</td>
</tr>
<tr>
<td>KTR1600</td>
<td>1600</td>
<td>3” 150# RF Flange</td>
<td>200 (13.8)</td>
</tr>
</tbody>
</table>

## Dimensions:

<table>
<thead>
<tr>
<th>Model</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in</td>
<td>mm</td>
<td>in</td>
<td>lbs</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KTR500</td>
<td>94 (2388)</td>
<td>51 (1295)</td>
<td>62 (1575)</td>
<td>2520 (1143)</td>
</tr>
<tr>
<td>KTR1000</td>
<td>95 (2413)</td>
<td>68 (1727)</td>
<td>82 (2082)</td>
<td>4368 (1981)</td>
</tr>
<tr>
<td>KTR1600</td>
<td>88 (2235)</td>
<td>87 (2210)</td>
<td>98 (2489)</td>
<td>9200 (4173)</td>
</tr>
</tbody>
</table>

## Temperatures:

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Inlet Compressed Air Temperature</th>
<th>Minimum Ambient Temperature</th>
<th>Maximum Ambient Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>°F</td>
<td>°C</td>
<td>°F</td>
</tr>
<tr>
<td>KTR500</td>
<td>120 (49)</td>
<td>40</td>
<td>(4)</td>
</tr>
<tr>
<td>KTR1000</td>
<td>120 (49)</td>
<td>40</td>
<td>(4)</td>
</tr>
<tr>
<td>KTR1600</td>
<td>120 (49)</td>
<td>40</td>
<td>(4)</td>
</tr>
</tbody>
</table>

## Electrical Parameters:

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTR500</td>
<td>120Ph/1V/60Hz</td>
</tr>
<tr>
<td>KTR1000</td>
<td>120Ph/1V/60Hz</td>
</tr>
<tr>
<td>KTR1600</td>
<td>120Ph/1V/60Hz</td>
</tr>
</tbody>
</table>
What’s inside:

**Aftercooler:**
Reduces the temperature of hot saturated compressed air leaving the compressor to dropout moisture. Lower the temperature of air going into dryer.

**Specifications:**
- Aircooled design
- Operates with use of pneumatic motor
- Aluminium construction for cooler, powder coated shroud, polypropylene fan blades
- Maximum design ratings of 250 psig at 250°F

**Filtration:**
4 levels of filtration to meet the compressed air quality standard ISO 8573 1.2.1

- domnick hunter Water Separator: specially designed for the efficient removal of bulk liquid contamination from compressed air.*
- Coarse Prefilter: ZP series zander element 1.0μ to remove moisture and oil.*
- Fine Prefilter: XP zander element .01micron to remove moisture and oil, protects dryer desiccant from contamination.*
- Afterfilter: ZP zander element .01 micron, removes particulates such as desiccant dust, protects down stream equipment.**

*use float drain  
**use manual drain

<table>
<thead>
<tr>
<th><strong>Basic Filter Technical Data:</strong></th>
<th>ZP Series</th>
<th>XP series</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Filtration efficiency</strong></td>
<td>99.9999%*¹</td>
<td>99.99999%*²</td>
</tr>
<tr>
<td><strong>MPPS filtration level</strong></td>
<td>99.99%*³</td>
<td>99.9999%*³</td>
</tr>
<tr>
<td><strong>Residual oil content</strong></td>
<td>≤ 0.0005 ppm</td>
<td>≤ 0.00001 ppm</td>
</tr>
<tr>
<td><strong>Differential pressure</strong></td>
<td>0.43 psi g</td>
<td>0.87 psi g</td>
</tr>
</tbody>
</table>

*¹: in relation to particle size 1μ  
*²: in relation to particle size 0.01μ  
*³: in relation to MPPS particle size 0.1-0.5 μm (most penetrating particle size)  
*⁴: in relation to 1 bar absolute, 20°C with an inlet concentration of 20 mg/m³  
*⁵: differential pressure in new state, dry at nominal capacity.
The Portable KTR Series Desiccant Air Dryer fits perfectly in any of these industries:

- Construction
- Power Generation
- Chemical
- Petroleum
- Oil & Gas
- Automotive
- Aerospace
- Food & Beverage
- Electronics
- Pulp and Paper
- Steel Producers
- Off-Shore Oil Production
- Pharmaceutical
- Pipeline

Basic controller features:

- Allen Bradley® PLC
- Nema 4X enclosure
- LCD user interface
- Four line digital display features:
  1) Tower drying indication
  2) Tower regenerating indication
  3) Run status
  4) Time remaining in cycle
- Selectable cycle settings
- Programmable drain timer (drain on, time and test)
- Compressor demand via external dry contact (CycleLoc™)
- Power ON/OFF switch
- Step-through regeneration for maintenance