Description
The compact air dryer series meets the needs of certain low flow applications where very dry compressed air is required, i.e., atmospheric dew point of minus 50°F or lower. Designed to minimize space, the shoebox size unit is easily installed in tight spaces.

The self-regenerative air dryer can be operated continuously at flow rates ranging from 0-0.5 scfm up to 0-6 scfm at minimum inlet pressures of 80 psig. Easy installation requires only inlet and outlet air connections and plug-in to an electric outlet.

Applications
- Instrument air systems
- Dental/medical equipment
- Industrial pneumatic controls
- Air bearing systems
- Pneumatic controls in sub-freezing environments
- Air operated vacuum pickups
- Fluidics/MPL controls
- Cyrogenics
- Sub-freezing air blow-off jets
- Paint spray guns
- Microwave air guides

Features
Minimum Maintenance – Simplicity of design, few moving parts, self-regenerating desiccant tanks
Instant Dry Air – No warm-up time
Low Dew Point – Down to -100°F
Quiet Operation – Exhaust muffler
Long Life Desiccant – Under normal conditions, the desiccant material does not require replacement
Metal Bowl Guard – Transparent bowls
Electric Plug/Cord – 10 ft. cord with 3-prong plug

Specifications
Inlet Pressure – 80 to 150 psig
Maximum Inlet Temperature – +125°F
Dew Point – minus 50°F @ 80 psig inlet pressure; consult factory for lower dew point applications
Medium – Oil-free compressed air
Output Flow Rate – See chart page 5
Purge Flow – See chart page 5
Air Connections/Inlet and Outlet – 1/4” NPT – Female
Mounting – 4 mounting holes 5/16” dia. Mount unit with tanks vertical and upright only
Dimensions – See chart page 5
Filter Rating –
  1557F 0.1 microns
  1558F, 1559F 0.01 microns
Prefilter and coalescing filter combination remove liquid water and oil and solid particles from air stream before it enters into dryer module.
Filter Drains –
  1557F Manual
  1558F, 1559F Automatic
Weight –
  1557F 8 pounds
  1558F 10 pounds
  1559F 12 pounds
Electric Power – 120 volts/60 hz
Electric Connection – 10 ft. cord with 3-prong plug
Enclosure Rating – Type 1

Benefits
- Pipe rust eliminated
- Longer tool and instrument life
- Drier air than in refrigeration systems
- No heat wasted
- No electrical hazards
- Condensate eliminated
- Water vapor virtually nonexistent

Prefilter and coalescing filters remove solids, liquid water and oil from air stream before it enters into dryer module.
**Compact Air Dryer**

**LOW DEW POINT**

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### Ordering Information

From the part number chart below left, select an air dryer that will provide the outlet air flow required.

**For example**

**Outlet flow required**  2.0 scfm

- Assembly complete with filters;
  - Part Number is OKC-1558-1F
- Assembly without filters;
  - Part Number is OKC-1558-1
- Assembly complete with filters and with moisture indicator;
  - Part Number is OKC-1558-1FM

### Optional Moisture Indicator

Add the suffix **M** to the air dryer part number to include the optional moisture indicator. To order the moisture indicator separately, use part number OKC-1739.

### Optional Output Filter

Add the suffix **P** to the air dryer part number to include an output filter.

**For example**

OKC-1558-1FP This assembly is complete with inlet filters and an output filter.

To order the output filter separately, use part number from the chart on page 6.

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**Dimensions**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>OKC-1557 (All)</td>
<td>6&quot;</td>
<td>—</td>
<td>—</td>
<td>11-9/16&quot;</td>
</tr>
<tr>
<td>OKC-1558 (All)</td>
<td>9&quot;</td>
<td>—</td>
<td>—</td>
<td>14-9/16&quot;</td>
</tr>
<tr>
<td>OKC-1559 (All)</td>
<td>12&quot;</td>
<td>—</td>
<td>—</td>
<td>17-9/16&quot;</td>
</tr>
<tr>
<td>OKC-1557F (All)*</td>
<td>6&quot;</td>
<td>10-13/32&quot;</td>
<td>11-1/4&quot;</td>
<td>11-9/16&quot;</td>
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<tr>
<td>OKC-1558F (All)*</td>
<td>9&quot;</td>
<td>15-29/32&quot;</td>
<td>12-13/16&quot;</td>
<td>14-9/16&quot;</td>
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<tr>
<td>OKC-1559F (All)*</td>
<td>12&quot;</td>
<td>18-29/32&quot;</td>
<td>12-13/16&quot;</td>
<td>17-9/16&quot;</td>
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**Part Numbers**

<table>
<thead>
<tr>
<th>Air Dryer Part Number*</th>
<th>Max Outlet Flow Rate at 80 psig and 70°F</th>
<th>Purge Flow Rate at 80 psig and 70°F</th>
<th>Max System Air Pressure</th>
<th>Dew Point</th>
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<tbody>
<tr>
<td>OKC-1557-1</td>
<td>0.5 scfm</td>
<td>0.1 scfm</td>
<td>150 psig</td>
<td>-50°F</td>
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<td>OKC-1557-1F</td>
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<tr>
<td>OKC-1557-2</td>
<td>1.0 scfm</td>
<td>0.2 scfm</td>
<td>150 psig</td>
<td>-50°F</td>
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<td>OKC-1557-2F</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>OKC-1557-3</td>
<td>1.5 scfm</td>
<td>0.3 scfm</td>
<td>150 psig</td>
<td>-50°F</td>
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<tr>
<td>OKC-1557-3F</td>
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<tr>
<td>OKC-1558-1</td>
<td>2.0 scfm</td>
<td>0.4 scfm</td>
<td>150 psig</td>
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<tr>
<td>OKC-1558-2</td>
<td>3.0 scfm</td>
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<td>OKC-1558-3</td>
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*Dryers with suffix F in part number include prefilter and coalescing filters.*
## Parts for Compact Air Dryers

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty.</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>Moisture Indicator 1/4&quot; NPT</td>
<td>1</td>
<td>OKC-1739</td>
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<tr>
<td>Muffler 1/4&quot; NPT</td>
<td>2</td>
<td>OKC-1751</td>
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<tr>
<td>Solid State Timer 120/240 volts 50/60 hz</td>
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<td>OKC-1752</td>
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<tr>
<td>Solenoid Valve 3-way N.C. 53 VDC (special)</td>
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<td>OKC-1753-1</td>
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<tr>
<td>Solenoid Valve Repair Kit</td>
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<td>OKC-1753-2</td>
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<tr>
<td>Solenoid Valve Coil</td>
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<td>OKC-1753-3</td>
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<td>Desiccant Tanks for OKC-1557 (6&quot;)</td>
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