- Eliminates the need to replace costly desiccant style breathers
- Reduces the dewpoint of plant air by 150 °F
- Positive displacement of air minimizes the potential for contaminant ingestion through reservoir access points
- Prevents the formation of condensation and rust inside of oil reservoirs
- Flow of dry air will reduce the level of dissolved moisture in oil
- Approved by GE Energy for all Hydraulic Control Oil Reservoirs

The patented Stealth ABS (Active Breather System) eliminates the need to continually replace conventional desiccant breathers by preventing them from becoming fouled with water vapor. Conventional breather devices are passive by nature, relying on moisture or particulate contaminants to pass through the filter media, where it can be captured. In high contamination environments, it can become costly to continually replace breathers. Or, contamination may continue to enter the reservoir from other sources.

Stealth ABS solves these issues by actively purging and dehydrating the reservoir headspace. In addition, since clean, dry air is always present, a portion of the moisture that is regularly dissolved in the oil will also be removed, improving oil quality.
**LUBE AND HYDRAULIC RESERVOIRS:** When using ABS on oil reservoirs, optimal performance is gained by maximizing the sweep path through the reservoir. To do so, it is beneficial to install the air inlet to the reservoir as far from the traditional breather outlet as possible. This will better purge the headspace, while giving the air the most time possible to absorb moisture from the oil. Note: The performance will vary based on ambient conditions as well as oil type and age.

**PHOSPHATE ESTER RESERVOIRS:** Phosphate ester based fluids are often used in steam turbine control circuits as well as other systems where fire resistance is required. By their nature, these fluids are prone to readily absorbing moisture from the ambient environment. In addition to preventing ambient ingestion, ABS has proven to be very effective at removing moisture that is already in the oil.

**STEALTH ABS SPECIFICATIONS**

**Materials of Construction**
- Filter Housing: Zinc / Polycarbonate
- Membrane Air Dryer: Aluminum / Nylon
- Fittings: Brass / Plated Steel
- Seals: Buna-N

**Design Ratings**
- Maximum Operating Pressure: 116 PSIG
- Maximum Ambient Temperature: 125 °F
- Air Flow Rate: Varies based on model selected (typically between 0.5 and 3.0 SCFM)
- Dew Point Suppression: 150 °F (based on +70 °F inlet air dewpoint)

**Electrical Requirements**
None

**Connections and Instrumentation**
- Inlet and Outlet Ports: ¼” FNPT
- Mounting Bracket: 5/16” Stud
- Filter Condition (Inlet Air Filter): Visual Indicator (Red when fouled)
- Coalescer Water/Oil Drain: Automatic Float Type
- Discharge Orifice Pressure: Dial Gauge

**Space Required**
- LSAB-50 Series: 10” by 17” by 3”
- LSAB-100 Series: 10” by 21” by 3”
- LSAB-200 Series: 10” by 28” by 3”

**Weight:** < 3 lbs (all models)

**ORDERING INFORMATION**

- LSAB-50-AN: Up to 50 Gallons of Reservoir Headspace
- LSAB-50-BN: Up to 100 Gallons of Reservoir Headspace
- LSAB-100-DN: Up to 250 Gallons of Reservoir Headspace
- LSAB-200-GN: Up to 750 Gallons of Reservoir Headspace

*Note: Reservoir headspace is the volume of air present during normal operation*

**SPARE PARTS ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Coalescing Filter</td>
<td>PCNR05023K01B</td>
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**CLEAN, DRY OIL**