
**How it works**
The N₂-Blast® produces 98%+ pure Nitrogen and introduces it to the Dry or Pre-action Fire Protection System. In doing so, Oxygen is displaced from the piping through the *AutoPurge System™*. The N₂-Blast® effectively inhibits Electrochemical, Galvanic and Microbiologically Influenced Corrosion (MIC), as well as moisture accumulation, freeze-ups and ice plugs.

**N₂-BLAST®**
- Inhibits corrosion with 98%+ pure Nitrogen
- Limits the liability of early pipe replacement
- Protects installation & increases customer loyalty
- Easily integrates into new or pre-existing FPS
- Simple and inexpensive to maintain
- UL 508A listed Industrial Control Panel
- Best value in Nitrogen Generation Technology

**BlastOff™ - Leak Detection System**
- Provided exclusively with the N₂-Blast®
- Detects a major leak before it compromises the FPS
- Alarms if the air compressor is not working properly
- Includes a dry contact for signal out to BMS
- Protects the lifespan of the N₂-Blast®
- Maximizes energy efficiency

**NITROGEN**
- Inert, clean, dry, non-flammable gas
- Absorbs more moisture than compressed air
- Has a true -40° to -70° F dew point
- Does not support the corrosion reaction
- Prevents the formation of ice blockages
- Prevents oxidation of non-metallic components
- Targets both Aerobic and Anaerobic Bacteria

**18 Month Exposure Results**
- Compressed Air
- Nitrogen

Recipient of the NACE Corrosion Innovation of the Year Award
## N₂-Blast® Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>FPS-650</th>
<th>FPS-1250</th>
<th>FPS-1750</th>
<th>FPS-3000</th>
<th>FPS-6000</th>
<th>FPS-15000</th>
<th>FPS-20000</th>
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</thead>
<tbody>
<tr>
<td><strong>Maximum FPS Capacity (Gallons)</strong></td>
<td>650</td>
<td>1,250</td>
<td>1,750</td>
<td>3,000</td>
<td>6,000</td>
<td>15,000</td>
<td>20,000</td>
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<tr>
<td><strong>Technology</strong></td>
<td>PSA</td>
<td>PSA</td>
<td>Membrane</td>
<td>Membrane</td>
<td>Membrane</td>
<td>PSA</td>
<td>PSA</td>
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<tr>
<td><strong>Dimensions</strong></td>
<td>29”x13”x10”</td>
<td>58”x26”x18”</td>
<td>42”x14”x10”</td>
<td>42”x14”x10”</td>
<td>42”x14”x10”</td>
<td>71”x34”x41”</td>
<td>71”x34”x41”</td>
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<tr>
<td><strong>Weight¹</strong></td>
<td>158 lbs.</td>
<td>140 lbs.</td>
<td>150 lbs.</td>
<td>151 lbs.</td>
<td>155 lbs.</td>
<td>798 lbs.</td>
<td>928 lbs.</td>
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<tr>
<td><strong>Mount²</strong></td>
<td>Wall</td>
<td>Skid</td>
<td>Wall</td>
<td>Wall</td>
<td>Wall</td>
<td>Skid</td>
<td>Skid</td>
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<tr>
<td><strong>Electrical</strong></td>
<td>110V/60Hz/1Phase</td>
<td>110V/60Hz/1Phase</td>
<td>110V/60Hz/1Phase</td>
<td>110V/60Hz/1Phase</td>
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<td>110V/60Hz/1Phase</td>
<td>110V/60Hz/1Phase</td>
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<tr>
<td><strong>Amperage</strong></td>
<td>15</td>
<td>15</td>
<td>8</td>
<td>8</td>
<td>8</td>
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<tr>
<td><strong>Compressed Air SCFM</strong></td>
<td>Integrated</td>
<td>Integrated</td>
<td>3.2</td>
<td>6.0</td>
<td>10.5</td>
<td>15.0</td>
<td>23.0</td>
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<td><strong>Warranty</strong></td>
<td>2 Years³</td>
<td>2 Years³</td>
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<td>2 Years³</td>
</tr>
</tbody>
</table>

¹The combined weight of the Nitrogen Generator and Receiver/Buffer Tank
²Wall mount can be provided with floor stand.
³Per South-Tek Systems Terms & Conditions.

### Guide Specifications

**South-Tek Systems Corrosion Inhibiting Nitrogen Generation System**

Furnish and install a South-Tek Systems Corrosion Inhibiting Nitrogen Generation System capable of producing 98%+ pure Nitrogen in order to service all Dry and/or Preaction FPS, or as directed by the Design Engineer. Each Corrosion Inhibiting Nitrogen Generation System shall include a N₂-Blast® FPS Nitrogen Generator, Feed Air Compressor, Refrigerated Air Dryer, Pre-treatment Air Filtration Package, Leak Detection System, Air Bypass Alarm, Fire Protection System Purging Device(s), Supervisory Gas Monitoring Device(s) and Nitrogen Storage Tank; or the equivalent of.