

N₂-Blast[®] - Corrosion Inhibiting System

Introducing the N₂-Blast[®] - Corrosion Inhibiting System for Dry & Pre-action Fire Protection Systems. Designed & Manufactured by South-Tek Systems, the leader in Nitrogen Generation Technology.

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 and ice plugs.



Recipient of the NACE Corrosion Innovation of the Year Award

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

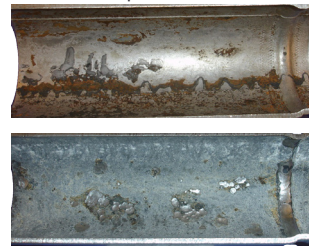
- Provided exclusively with the N₂-Blast[®]
- Detects a major leak before it compromises the FPS
- Alarms if the air compressor is not working properly
- Includes a dry contact for signal out to BMS
- Protects the lifespan of the N₂-Blast[®]
- Maximizes energy efficiency

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

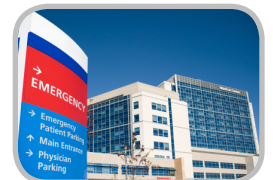
Compressed Air



Nitrogen



South-Tek Systems, the Leading Designer and Manufacturer of Nitrogen Generation Technology



N₂-Blast[®] Specifications

| | FPS-650 | FPS-1250 | FPS-1750 | FPS-3000 | FPS-6000 | FPS-15000 | FPS-20000 |
|-----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Maximum FPS Capacity (Gallons) | 650 | 1,250 | 1,750 | 3,000 | 6,000 | 15,000 | 20,000 |
| Technology | PSA | PSA | Membrane | Membrane | Membrane | PSA | PSA |
| Dimensions | 29"x13"x10" | 58"x26"x18" | 42"x14"x10" | 42"x14"x10" | 42"x14"x10" | 71"x34"x41" | 71"x34"x41" |
| Weight ¹ | 158 lbs. | 265 lbs. | 150 lbs. | 151 lbs. | 155 lbs. | 798 lbs. | 928 lbs. |
| Mount ² | Wall | Skid | Wall | Wall | Wall | Skid | Skid |
| Electrical | 110V/60Hz/ 1Phase | 110V/60Hz/ 1Phase | 110V/60Hz/ 1Phase | 110V/60Hz/ 1Phase | 110V/60Hz/ 1Phase | 110V/60Hz/ 1Phase | 110V/60Hz/ 1Phase |
| Amperage | 15 | 15 | 8 | 8 | 8 | 8 | 8 |
| Compressed Air SCFM | Integrated | Integrated | 3.2 | 6.0 | 10.5 | 15.0 | 23.0 |
| N ₂ Receiver Tank Size | 28 Gallons | 16.8 Gallons | 28 Gallons | 28 Gallons | 28 Gallons | 80 Gallons | 80 Gallons |
| Warranty | 1 Year ³ | 1 Year ³ | 1 Year ³ | 1 Year ³ | 1 Year ³ | 1 Year ³ | 1 Year ³ |

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.

Typical System Installation

