



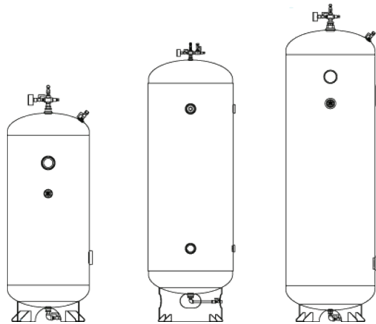
Potter Nitrogen Generators

Potter Nitrogen Generators are specifically designed to provide on-site, high purity nitrogen for use in fire protection sprinkler systems. When used as a supervisory gas in fire sprinkler systems, nitrogen slows corrosion, improves the life of your system, and lowers maintenance costs. Potter Nitrogen Generators are fully assembled packages ready to be connected to a new or existing fire sprinkler system. These turn-key systems include all air filtration equipment, an air compressor, nitrogen membrane, as well as tanks required to keep the generator operating at peak efficiency. Potter Nitrogen Generator Systems provide a low cost, reliable, and efficient method of producing a minimum of 98% nitrogen at the point of usage.

A Generator for Every Application

Potter has a complete line of nitrogen generators that can handle any sprinkler application. Sizing your nitrogen generator is as simple as providing these three important pieces of information:

1. Supervisory Pressure -This is the air pressure required to keep the dry valve closed, usually ranging between 20 and 40 PSI.
2. Largest Riser in Gallons -This is the total volume (in gallons) of the largest riser to ensure NFPA requirements of 30 minute fill time.
3. Total System Capacity -This is the total volume (in gallons) of all the risers being supplied by the Nitrogen Generator.



Working with Potter's technical support team can quickly size the perfect system for your application. Visit: www.PotterNitrogen.com for more information and training opportunities.



The Potter Advantage:

- ✓ *Pre-engineered air compressors that meet NFPA 13 requirements*
- ✓ *Premium nitrogen membranes*
- ✓ *Air treatment filtration*
- ✓ *UL 508A industrial control panel*
- ✓ *Bypass and leak alarms*
- ✓ *Nitrogen and air storage tank*
- ✓ *Portable nitrogen analyzer*
- ✓ *Pressure controls and gauges*
- ✓ *All relief valves, check valves, and isolation valves*

Learn more at:

www.PotterNitrogen.com



Potter Nitrogen Generators

Corrosion is Costing You Money

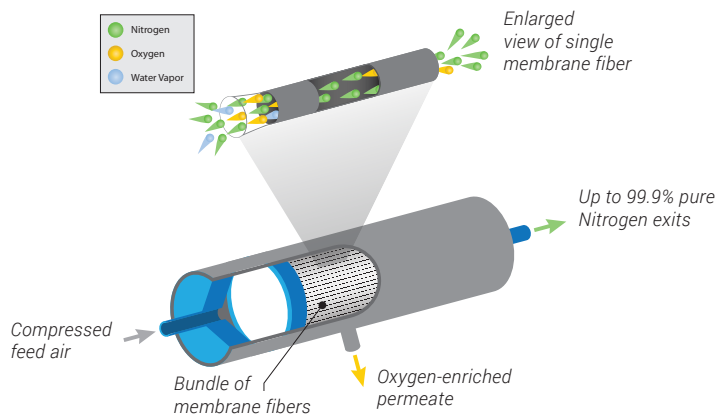
Fire sprinkler systems are comprised of metal, water, and air. This is the perfect environment for corrosion. Over time the metal pipes will degrade, deteriorate, and eventually fail if corrosion mitigation efforts are not followed. The true cost of corrosion is more than just replacing pipe. Other issues that can arise from corrosion in fire sprinkler systems include: temporary shutdowns, loss of property, loss of production, personal injury, or total system replacements. A proactive approach to slowing corrosion can easily alleviate these problems.

Nitrogen – The key to stopping corrosion in dry and pre-action systems!

Nitrogen is an inert gas, which means it does not react with metals. Thus, no oxidation or rust occurs! The trick to this is removing that 21% oxygen from the fire sprinkler piping and replacing it with pure nitrogen.

Nitrogen Generation Technology

Potter utilizes membrane technology on all of our nitrogen generators. The nitrogen membrane acts as a large filter and separates out the nitrogen from the corrosive oxygen. Nitrogen membrane technology is the most cost effective way to provide nitrogen on demand at the optimal purity. No moving parts and a simple engineering design allow membranes to operate up to 100,000 operating hours before service.



Benefits of Nitrogen:

- ✓ Reduce oxygen cell corrosion in steel and galvanized systems
- ✓ Extends the life expectancy of sprinkler system by 5.3X
- ✓ Lowers sprinkler maintenance costs
- ✓ Dry nitrogen prevents freeze-ups and ice plugs

Learn more at:

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