

UNITED

FIRE SYSTEMS

NITROGEN-PAC™ & PREACTION-PAC™



**Your SMART Choice for Integrated
Preaction Sprinkler Cabinets &
Nitrogen Generators**



PROBLEM: CORROSION

Corrosion is happening in dry and preaction sprinkler piping – right now. Eventually, this leads to clogged sprinkler heads, leaks, and pipe failure.

SOLUTION: NITROGEN-PAC™

The UNITED Fire Systems NITROGEN-PAC™ is a family of nitrogen-based sprinkler corrosion inhibiting systems, providing high-purity dry nitrogen for the interior of preaction and dry sprinkler piping. These units feature a compressor for system fast-fill and nitrogen generation, refrigerated drying of the air for the lowest possible moisture content, and membrane technology for efficient nitrogen generation.

NITROGEN-PAC™ SC SERIES

The NITROGEN-PAC™ SC Series consists of compact self-contained (SC) pre-assembled nitrogen generating units designed for small to medium applications of up to 4000 gallons of pipe volume.

The unit is designed for ease of installation and maintenance. What sets the SC apart from competing units is its built-in refrigerated dryer which dries the air to a minus 40 degrees F dew point. This feature provides the benefit of drying the inside of the pipe which helps stop the corrosion process. In addition, it keeps the nitrogen separator membrane dry so that it performs trouble free and prolongs its useful life.

Competing units using aftercoolers (such as a radiator with a fan) can only cool the air to the temperature of the ambient air. This method is not nearly as effective in moisture elimination as a refrigerated dryer and is more likely to result in separator membrane moisture damage and replacement.

NITROGEN-PAC™ M SERIES

The NITROGEN-PAC™ M Series is a modular (M) system designed for large multi-riser applications that exceed the limits of the SC. It consists of independent floor- or wall-mounted components including compressor, refrigerated dryer, separator membrane enclosure, and nitrogen receiver/reservoir. These components are interconnected by the installer with standard black pipe.



Learn More at: www.UnitedFireSystems.com

PREACTION-PAC™

PREACTION-PAC™ is a Factory Mutual approved integrated preaction sprinkler assembly. We use only high quality brand name components, including the Victaulic NXT preaction valve, General Air Products compressors, and the widest option of control panels available. Choose from addressable control panels from Notifier (NFS2-640) or Fenwal (FenwalNET 6000), or conventional panels from Notifier (RP2001) or Potter (4410-RC).

What sets PREACTION-PAC™ apart from the competition is the deep knowledge of UNITED Fire Systems backed by 28 years of experience in fire alarm and detection technology. We can supply job specific detailed fire alarm shop drawings with the necessary technical support that is often lacking from our competitors.



STANDPIPE-PAC™

STANDPIPE-PAC™ is designed to supervise the pipe integrity of a dry standpipe during construction or building demolition. If piping is removed or damaged, STANDPIPE-PAC™ provides a local signal. A built-in digital alarm communicator can provide remote central station notification. STANDPIPE-PAC™ models are available to comply with New York City and City of Boston requirements.

Contact Us at: (908) 688-0300

WHO WE ARE

UNITED Fire Systems is the manufacturing division of United Fire Protection Corporation. We specialize in manufacturing innovative and effective fire protection equipment. Our experience enables us to be on the cutting edge of protection technology, and understand exactly what is needed to design, engineer, and support the best products available today.

United Fire Protection Corporation was established in 1988, and we have become a well-known and highly respected full service fire protection contractor operating in the New York metropolitan area. Our customers include major financial institutions, transportation, government, utilities, and IT telecom companies. We began manufacturing PREACTION-PAC™ in 2000 to supply our local sprinkler contractor customers in the New York metro area. We recently have broadened our manufacturing reach to include the entire United States.

Our manufactured products use “best of breed” name-brand components to assure trouble-free performance and long system life.

WHAT WE STAND FOR

Innovation: We develop, manufacture, and supply innovative, world-class quality, and useful fire protection products that advance the state-of-the-art.

Experience: We use our 25+ years of experience in all aspects of our business.

Commitment: We are committed to a “whatever it takes” mentality, and to providing our customers with advantages and benefits not available from anywhere else at competitive prices.

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