

FIREFLEX®

N₂-BLAST® SPRINKLER SYSTEM

VIKING

South-Tek
SYSTEMS



Introducing the **Integrated FireFlex® N₂-Blast® - Combined Sprinkler and Corrosion Inhibiting System**, designed and manufactured by **FireFlex®**, the leader in advanced integrated fire protection systems.

▼ INTRODUCTION

Corrosion in sprinkler piping is a growing concern in the fire protection industry. It has been proven that using dry nitrogen as a supervisory gas is an effective method of mitigating corrosion in fire sprinkler systems. Once again, FireFlex is on the cutting edge of innovation and introduces the **Integrated FireFlex® N₂-Blast® - Sprinkler System**.

Designed & manufactured by South-Tek Systems, the **N₂-Blast® - Corrosion Inhibiting System** combined with our dry and preaction integrated fire protection systems, can effectively inhibit electrochemical, galvanic and microbiologically influenced corrosion (MIC), as well protect against freeze-ups and ice plugs.

▼ FIREFLEX SYSTEMS' INTEGRATED FIRE PROTECTION SYSTEM FEATURES

- Viking sprinkler systems
- Simple and quick installation thereby reducing costs
- Compact factory assembled and tested systems
- Lockable doors to avoid unauthorized handling
- Available in multiple sizes and configurations
- Serial number for easy reference

▼ SOUTH-TEK SYSTEMS' N₂-BLAST® FEATURES

- Limits the liability of early pipe replacement
- Simple and inexpensive to maintain
- Engineered for low energy consumption
- Best value in nitrogen generation technology
- Significant cost savings by using black pipe in combination with nitrogen

▼ ENSURES INTEGRITY OF THE FIRE PROTECTION SYSTEM

The integrity of a dry or preaction fire protection system (FPS) can be compromised due to corrosion, freeze-ups or ice plugs in the sprinkler piping. Hydrotesting a fire protection system leaves residual water in the sprinkler piping, which becomes a key ingredient causing corrosion, and can lead to blockage due to freezing. The **N₂-Blast® - Corrosion Inhibiting System** produces 98%+ pure nitrogen on demand and introduces it to the dry or preaction fire protection system. In doing so, oxygen and moisture are displaced from the piping through the **N₂-Blast® - AutoPurge System™**.

▼ FIREFLEX® N₂-BLAST® SYSTEM DESCRIPTION

The **FireFlex® N₂-Blast® - Sprinkler System** is available with the following types:

Dry, preaction, Surefire®, Firecycle® III preaction and integrated fire protection systems on the remote-controlled and self-contained units.

▼ FIREFLEX® N₂-BLAST® - AUTOPURGE SYSTEM™

High purity nitrogen must be equally distributed throughout the entire sprinkler system in order to effectively inhibit corrosion. The Patent Pending **N₂-Blast® - AutoPurge System™** provides a low volume, constant purge of nitrogen within each sprinkler system.

The rate of less than 1.5 psi in 24 hours, in which gas is evacuated from the piping, is within NFPA guidelines and allows breathing to occur.

The **N₂-Blast® - AutoPurge System™** also assists in drying out the residual water from a hydrotest, and must be installed at a high point on a remote section of the sprinkler system.

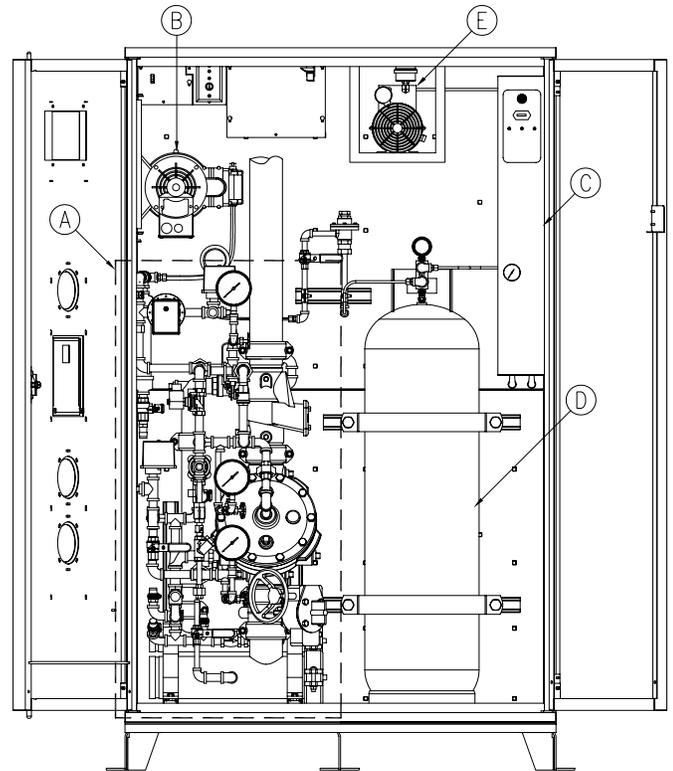


▼ FIREFLEX® N₂-BLAST® SYSTEM COMPONENTS

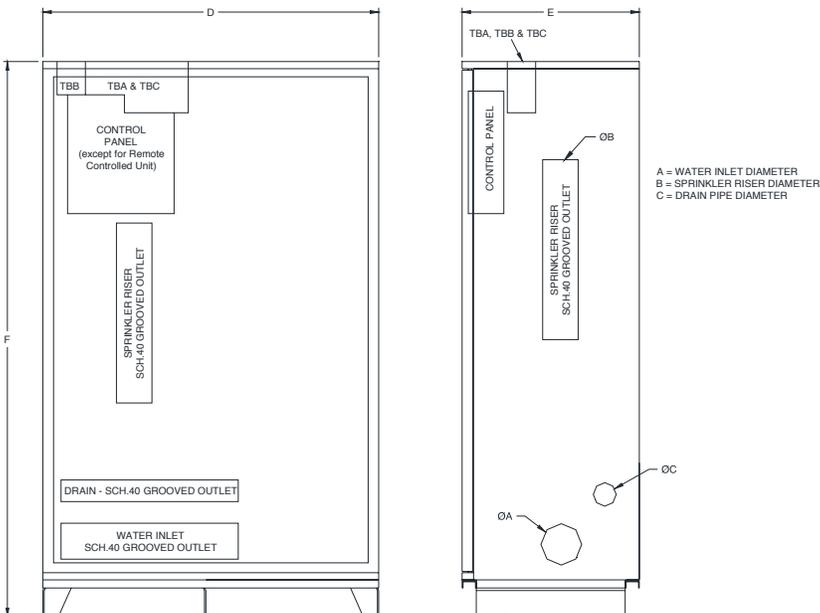
- A: Dry or preaction automatic sprinkler system
- B: Air supply, optional air compressor (shown) or external air supply through an air maintenance device, to provide a 30 minute fill as per NFPA 13 requirements
- C: Nitrogen generator
- D: Nitrogen storage tank (16 gallons)
- E: Compressor to maintain storage tank pressure

▼ N₂-BLAST® SPECIFICATIONS

	FPS-250	FPS-750
Maximum System Capacity (Gal)	250	750
Electrical	120V/60Hz/1 Phase	120V/60Hz/1 Phase
Amperage	20	20
N2 Receiver Tank Size	16 Gallons	16 Gallons



▼ FIREFLEX® N2-BLAST® SYSTEM DIMENSIONS



System Size	A	B	C	D	E	F
1½"	2"	1½"	2"	46"	25"	77"
2"	2"	2"	2"	46"	25"	77"
3"	4"	3"	2"	46"	25"	77"
4"	4"	4"	2"	54"	31"	81"
6"	6"	6"	2"	54"	31"	81"

FIGURE 1 - Dimensions of Remote-Controlled and Self-Contained Units.

NOTE: Dimensions and actual size may vary depending on options and configuration selected. Please refer to data sheets for exact dimensions.

▼ ORDERING INSTRUCTION

Please contact our sales department for more details on how to order the **FireFlex® N₂-Blast® - Sprinkler System**.