



**PROINERT<sup>2</sup>**

THE MOST **VERSATILE**

AND **COST-EFFECTIVE**

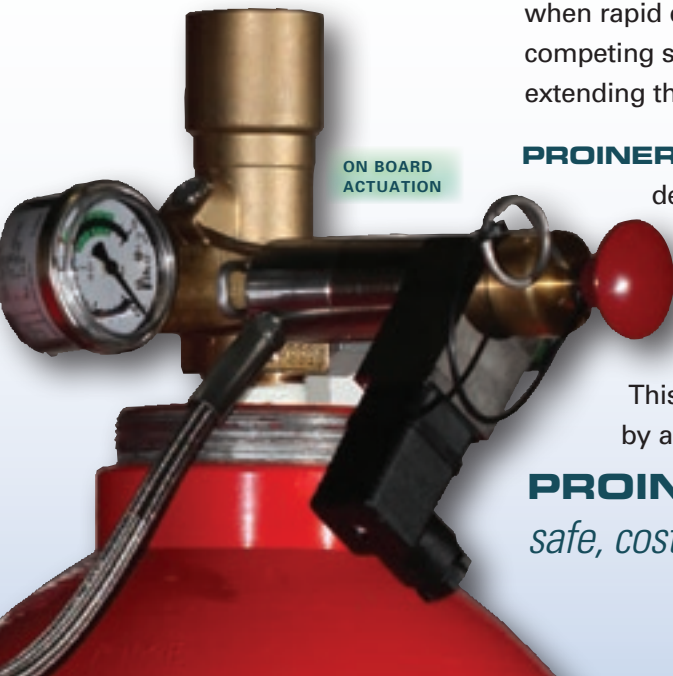
INERT GAS SYSTEM



**Fike<sup>®</sup>**

# PROINERT... The Most VERSATILE and COST-EFFECTIVE Inert Gas System

*Inert gas systems are the safe, natural way to extinguish a fire. Fike's PROINERT offers all the benefits of other inert gas systems, but with design improvements that make PROINERT a safer and more economical solution. And now PROINERT<sup>2</sup> takes that to a whole new level ... Now available in 300 bar, PROINERT<sup>2</sup> offers improved valve actuation and increased design options... all at a reduced cost!*



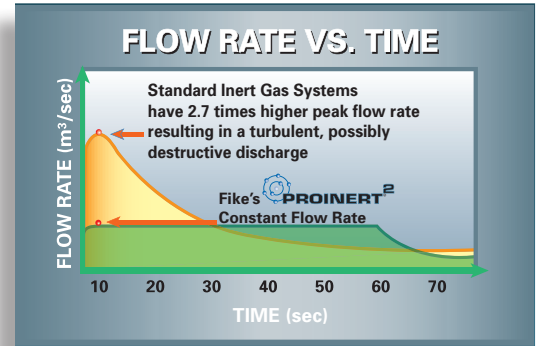
ON BOARD ACTUATION

## PROINERT... How it Works

Most inert gas systems discharge from the containers at high pressure, using pressure reducers further down the pipe network requiring the use of expensive, high-pressure piping through much of the system.

CONSTANT FLOW RATE = CONSTANT SAVINGS and CONSTANT SAFETY

**PROINERT<sup>2</sup>** is different. Our superior cylinder valve automatically reduces the pressure of the extinguishant at discharge. We provide an ideal discharge pressure and maintain a constant flow rate throughout the system.



*With PROINERT<sup>2</sup>, you can use small-diameter, low-pressure piping from the container to the nozzle – lowering your system costs.*

LOWER PRESSURE = LOWER COSTS and LOWER RISK

In addition, industry regulations state that 95% of the required inert agent must discharge within 60 seconds of activation for Class B hazards. To achieve this discharge rate, some competitors' inert systems increase their already high surge flow rate, increasing the risk of damage. Consequently, a large venting area must be installed to protect the integrity of the protected space and the employees. The **PROINERT<sup>2</sup>** system can achieve this same 60-second discharge in Class A and Class C hazards when rapid extinguishment is a primary concern – something competing systems can't do without using heavier pipe or extending their discharge time to 120 seconds.



**PROINERT<sup>2</sup> is better...** Because of our unique, patented valve design assembly, the **PROINERT<sup>2</sup>** agent enters the protected room within the required 60 seconds at a steady flow rate, preventing destructive turbulence from occurring. Therefore noise levels are reduced and the necessary venting area is much smaller.

This can reduce venting hardware and installation costs by as much as 60%!

**PROINERT<sup>2</sup>...**  
*safe, cost-effective inert gas fire suppression*



## The Best is Even Better

Expanding on the sophisticated **PROINERT** technology, **PROINERT<sup>2</sup>** steps to the forefront in fire protection solutions. It's not just about providing a natural, efficient way to protect valuable assets. Now there are more design choices and greater reliability in a cost-effective alternative: **PROINERT<sup>2</sup>**.



**PROINERT<sup>2</sup>**  
200 bar vs. 300 bar

- **Less** equipment/cylinders
- **Smaller** system footprint
- **High** cylinder pressure
- **Same** schedule 40 pipe from cylinder to nozzle
- **No change** in constant rate discharge
- **No change** in room pressure venting requirements

### 300 Bar – Save Money and Valuable Space

**PROINERT** systems, previously available in 150 and 200 bar cylinders, are now available with **300 bar technology**. That means more inert gas is in each **PROINERT<sup>2</sup>** cylinder, reducing the number of cylinders and accessory equipment necessary. In addition to a sizable reduction in system cost, fewer cylinders translates into an inert gas solution that takes up less valuable space. And all of these benefits are available with no change in the already safe, efficient constant system flow rate which allows for smaller-diameter, lower-pressure, less expensive piping.

### New Universal Valve Operator (UVO) - Improved Actuation

Fike's new UVO uses the agent's pressure to activate the system, eliminating the need for nitrogen cartridge actuation. The UVO provides for a simplified, more efficient system that requires fewer pneumatic actuators, hoses and fittings. Fewer parts translates into a more reliable system at a fraction of the cost.



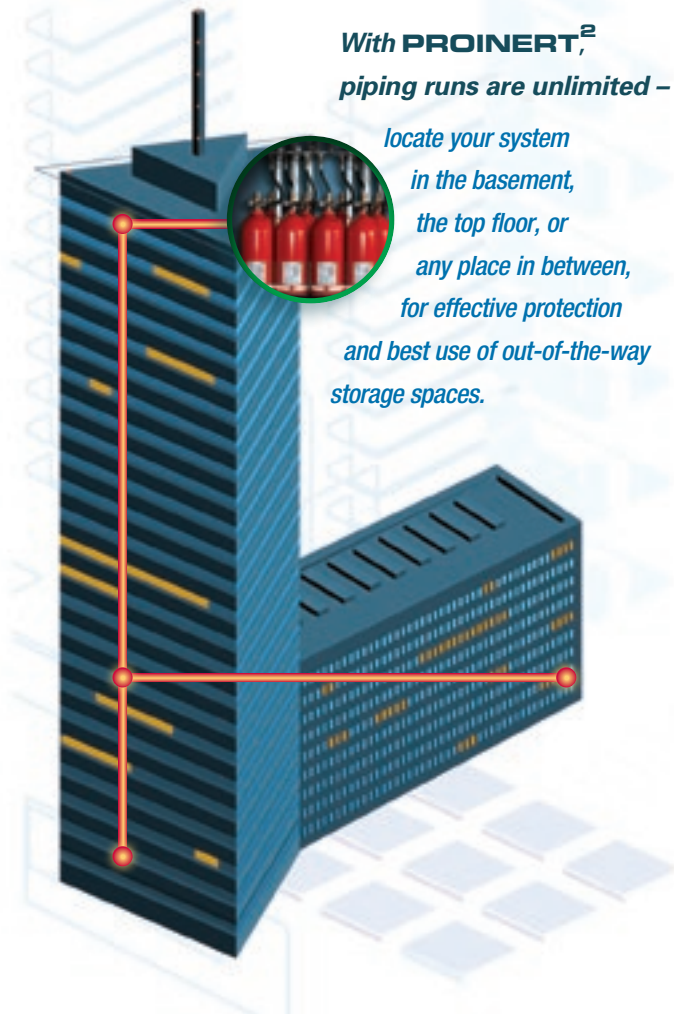
**BONUS:** Larger systems can also be expanded easily and less expensively with Fike's new pneumatic relay.

### Expanded Nozzle Options - Improved Coverage

**PROINERT<sup>2</sup>** now offers new nozzles and expand sizes for increased engineering design options. In addition to Fike's standard 360° nozzle now available in multiple sizes, **PROINERT<sup>2</sup>** has a 180° nozzle which allows for placement closer to walls and other obstacles. More choices mean greater design flexibility and area coverage.

### Unlimited Elevated Pipe Runs

There is no longer a limit to how high pipes can effectively be run from an inert gas system to the protected area... or even multiple protected areas.



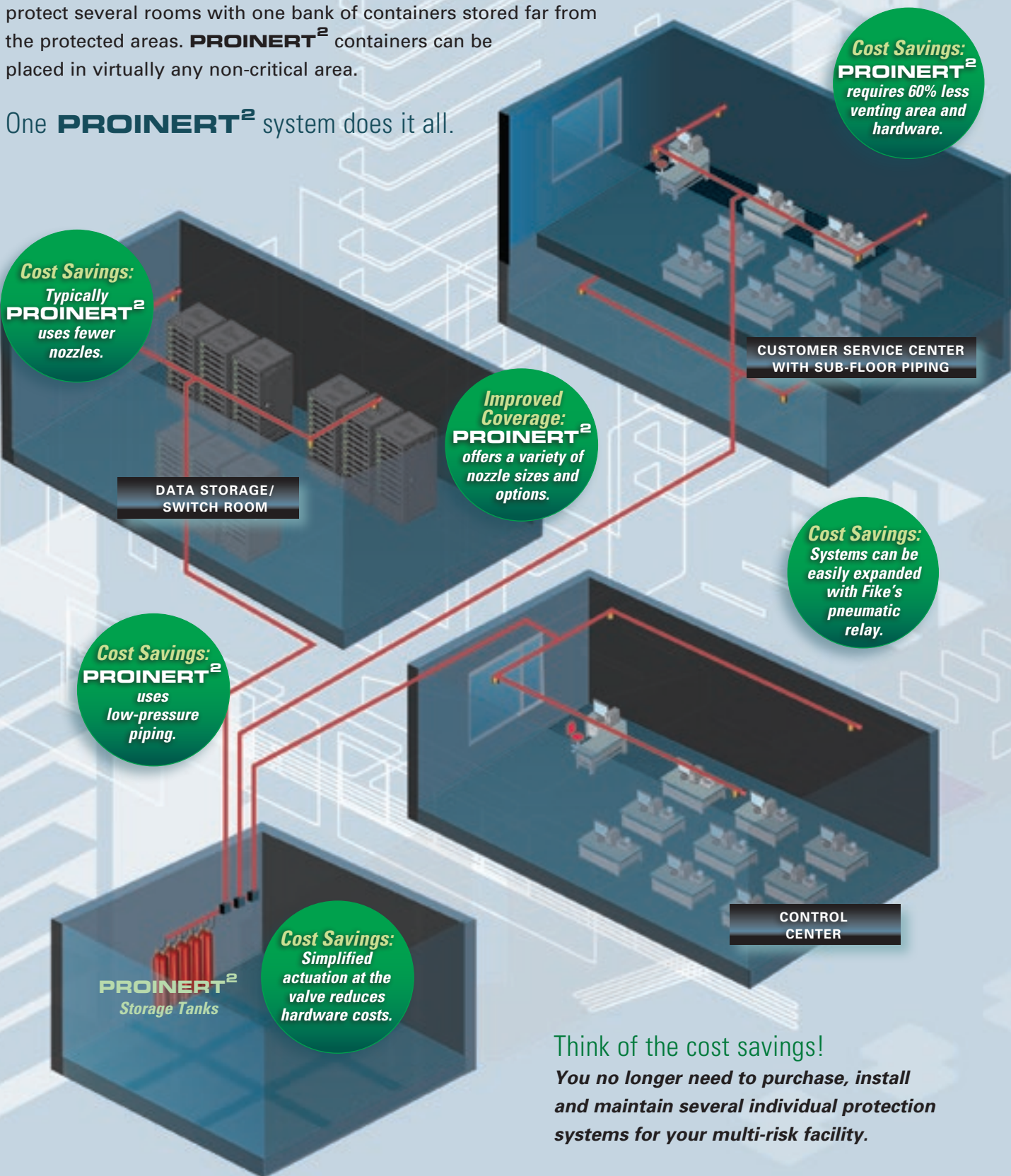
**With PROINERT<sup>2</sup>, piping runs are unlimited –**

*locate your system in the basement, the top floor, or any place in between, for effective protection and best use of out-of-the-way storage spaces.*

## Protection with NO boundaries from HERE to THERE

Fike's **PROINERT<sup>2</sup>** system is designed for superior long-distance delivery. Our storage containers and selector valves enable you to protect several rooms with one bank of containers stored far from the protected areas. **PROINERT<sup>2</sup>** containers can be placed in virtually any non-critical area.

One **PROINERT<sup>2</sup>** system does it all.



**Cost Savings:**  
Typically  
**PROINERT<sup>2</sup>**  
uses fewer  
nozzles.

DATA STORAGE/  
SWITCH ROOM

**Improved  
Coverage:**  
**PROINERT<sup>2</sup>**  
offers a variety of  
nozzle sizes and  
options.

**Cost Savings:**  
**PROINERT<sup>2</sup>**  
requires 60% less  
venting area and  
hardware.

CUSTOMER SERVICE CENTER  
WITH SUB-FLOOR PIPING

**Cost Savings:**  
Systems can be  
easily expanded  
with Fike's  
pneumatic  
relay.

**Cost Savings:**  
**PROINERT<sup>2</sup>**  
uses  
low-pressure  
piping.

CONTROL  
CENTER

**Cost Savings:**  
Simplified  
actuation at the  
valve reduces  
hardware costs.

**PROINERT<sup>2</sup>**  
Storage Tanks

Think of the cost savings!

You no longer need to purchase, install and maintain several individual protection systems for your multi-risk facility.

## Mother Nature Approved

An inert gas extinguishing system is designed to reduce the oxygen concentration inside the protected hazard until it reaches a level where combustion is no longer supported. **PROINERT<sup>2</sup>** uses IG-55, a blend of environmentally inert, all natural Argon & Nitrogen gases.

### ZERO Ozone Depletion Potential (ODP):

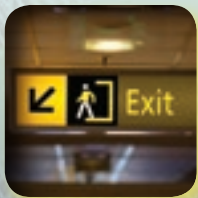
*We simply borrow Argon and Nitrogen from nature. When released, they automatically return to their natural place in the environment.*

### Similar To Air Density:

- Exceptional extinguishant hold time
- Minimal room sealing required
- Improved penetration from top to bottom of the protected room

### Easy, Economical Refill and Real-Life Testing:

*Because Argon and Nitrogen occur naturally in the environment, the **PROINERT<sup>2</sup>** extinguishant is readily available and affordable. With **PROINERT<sup>2</sup>**, real-life discharge testing is feasible.*



### No Fogging:

***PROINERT<sup>2</sup>** is ideal for occupied spaces because escape routes remain visible.*

### ZERO Global Warming Potential (GWP):



*Argon and Nitrogen have no atmospheric lifetime and pose no risk to the environment.*

### No Secondary Combustion Products:

*Argon and Nitrogen do not decompose into toxic or corrosive non-conductive elements in a fire, making this a safe choice for people, electronics and assets.*

### No Residue:

*That means no damage to your equipment and no clean-up required.*

From art to industry **PROINERT<sup>2</sup>** is the ideal fire protection solution for a wide variety of industries and applications.



**Art Galleries**

**Archive Storage**

**Computer/Operation Rooms**

**Control Rooms**

**Financial Centers and Banks**

**Electronics and Data Processing**

**Insurance Industry**

**Libraries**

**Military Installations**

**Museums**

**Pharmaceutical/Medical**

**Process Industry Control Rooms**

**Record Storage Facilities**

**Substation Control Rooms**

**Switch Rooms**

**Telecom Centers**

**Universities and Colleges**

## WE'RE PROUD OF OUR RESUME

**EXPERIENCED:** We've worked in the fire protection business since 1960.

**FOCUSED:** We specialize in life safety products, as well as facility and asset protection products.

**VERSATILE:** We design, manufacture, distribute and maintain our entire product line.

**GLOBAL:** We have clients, manufacturing facilities, sales outlets and maintenance companies around the world.

**INNOVATIVE:** In 1994, we became the first manufacturer to bring a UL Listed and FM Approved, clean agent fire suppression system to market, replacing Halon. We also have the safest and most economical inert gas system on the market - **PROINERT<sup>2</sup>**.

**EARTH-FRIENDLY:** We pioneered the development of clean agent systems and we continue to explore environmentally safe alternatives such as inert gas.

**COMPREHENSIVE:** We offer a complete line of fire protection technologies including clean agents, watermist, CO<sub>2</sub>, plus the corresponding detection and control systems.



### FIKE GLOBAL MANUFACTURING, SALES AND SERVICE

#### AMERICAS

**FIKE CORPORATION**  
Blue Springs, MO, USA  
Tel: +1-816-229-3405  
Email: facilitiesprotection@fike.com

**FIKE LATINA LTDA (MERCOSUR)**  
Jundiai, Brazil  
Tel: +55-11-4525-5900  
Email: vendas@fike.com.br

**CARIBBEAN, CENTRAL, SOUTH AMERICA**  
Houston, TX, USA  
Tel: +1-281-895-0756  
Email: ccsasales@fike.com

#### EUROPE

**FIKE SAFETY TECHNOLOGY**  
Cwmbran, United Kingdom  
Tel: +44 (0) 1633 865558  
Email: fstinfo@fike.com

#### ASIA

**FIKE ASIA PACIFIC SDN BHD**  
Selangor Darul Ehsan, Malaysia  
Tel: +60-3-7859-1462  
Email: fikeap@fike.com

#### MIDDLE EAST

**FIKE CORPORATION DUBAI**  
Dubai, UAE  
Tel: +971 4 (0) 3866455  
Email: fike.dubai@fike.com

## THE MOST **VERSATILE** AND **COST-EFFECTIVE** INERT GAS SYSTEM



E-mail: facilitiesprotection@fike.com

**PROINERT**, Fike and Fike Corporation are trademarks or registered trademarks of Fike Corporation.

U.S. Patent 6,871,802 and Foreign Patents.

©Copyright 2015, Fike Corporation. All rights reserved. Form No. B9134 0215  
Printed in the U.S.A.



WWW.FIKE.COM