

Electrical Cabinets | Server Rooms | Electronics

Revolutionary Fire Suppression Systems



Made in Germany

detex*Ar2*

detex*Ar*



**NON TOXIC
ECO-FRIENDLY
GAS SYSTEMS**

Low Maintenance
No Pressure in the pipeline
No Electricity required
Ultra-fast detection / extinguishing
Long Term Savings
Patented systems





Argon Cylinders System

Detexline Release Valve (UNIQUE)
System works with only one pipeline for detection and extinguishing.
Stainless-Steel



SMART SELECTIVE FIRE PROTECTION

DETEX AR inert gas fire protection systems fight fires through the supply of **argon** to reduce the oxygen content to below 15% in the space to be protected.

They are especially suitable for the **protection of compartments, small enclosures and electrical facilities**, with sensitive and high quality installations, where residue-free extinguishing is required without the use of chemical gases, water, foam or powder as extinguishing agent.

Inert gases have a first-class extinguishing effect for fires of class A (solids), B (flammable liquids) and C (flammable gases). Argon is also suitable as the only fire extinguishing gas also for class D (metal fires).

Directional Valve (PATENTED)

- In multiple cabinets, for example, it leads the extinguishing only where it has been detected.
- Stainless Steel



Spy Detector (PATENTED)

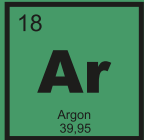
- Thermo-pneumatic detection
- Possibility of multiple temperatures in one system
- Stainless Steel

Silent Gas Nozzle (PATENTED)

- Smallest in the market
- Reduces inert gas discharge noise drastically
- Stainless Steel



With one single pipeline! **detexAr**



Multiple Areas Protection Automatic Sectioned Protection by the Directional Valve Control

System only activates where the detection is triggered.

- Argon just goes where it is needed.
- More quantity is poured where the fire is.
- Less cylinders are required.



Available:
5L
10L
20L
50L



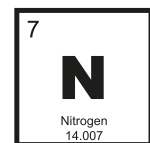
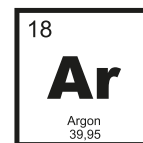
Argon / Nitrogen Cartridges System

IDEAL FOR SPECIAL APPLICATIONS MILITARY / OFFSHORE

DETEX An2 inert gas fire protection systems fight fires through the supply of **Argon and Nitrogen** to reduce the oxygen content to below 15% in the space to be protected.

They are especially suitable for the protection of small rooms up to 2m³ with sensitive and high quality installations, where residue-free extinguishing is required without the use of chemical gases, water, foam or powder as extinguishing agent.

Inert gases have a first-class extinguishing effect for fires of class A (solids), B (flammable liquids) and C (flammable gases). Argon is also suitable as the only fire extinguishing gas also for class D (metal fires).



COMPACT



DETEX AN² inert gas fire protection systems allow through their intelligent design a very compact and space-saving storage of the extinguishing agent. Both extinguishing agents are stored separately in fully welded 2-litre steel tanks at 250 bar.

Through the selected dimensions of the steel cylinders (80 mm diameter and approx. 600 mm total length) an installation option is always found and this even in very confined spaces.

The 250 bar technology allows the use or installation of these extinguishing systems even in extreme temperature conditions, from -60°C to + 80°C.



Can be installed on:
- Any Position/Angle
- Moving Parts/ Gears



detexAn2

UP TO 10 YEARS WITHOUT ANY MAINTENANCE

The welded steel tanks require no maintenance and can be on operational mode for up to 10 years. Once activated, it will be replaced by a new one and the installation is fully operational again.

The entire system is made of rust-free materials.

Its durability in saline environments, such as in offshore wind turbines, is a proven advantage.

Requiring no electricity, it has the advantage of always being operational, no matter what happens.

Due to the high maintenance costs of this type of turbine, this solution is the most reliable, durable and economical.

Install and forget. No need for periodic maintenance like gas pressure control.

COMMON TECHNOLOGIES TO BOTH SYSTEMS



detexline

1 single pipeline for: detection & extinguishing

protectfire's unique technology allows a single pipeline installation for both detection and extinguishing.

This avoids installation time, costs and equipment.

Small spaces also benefit from this type of pipeline, as they do not need more extra parts.

At the time of an inspection, it is much more fast and easy to proceed.

Its assembly and disassembly is simple and fast.

Patented



Silent Gas Nozzle

Reduces inert gas discharge noise below the danger level.

Excellent discharge efficiency

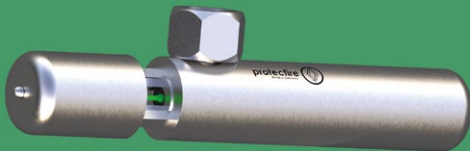
The smallest, most robust and quietest of its kind.

100% stainless steel



Directional valve

Ability to redirect the extinguishing agent only to the location that triggered the detector. In this way the extinguishing agent will be directed more accurately and without waste.



Thermo-pneumatic detection

Unique patented detector

No electricity required

High-finish stainless steel

Response speed: Ultra Fast Response RTI 12

Available detection temperatures:

-57°C -68°C -79°C -93°C -110°C -141°C -182°C -230°C 260°C

Ideal for protecting valuable assets and sensitive equipment.

- Excellent extinguishing effect in hazardous areas with high fire load or hidden fire.

- Avoid long downtime and costly service interruptions.

- Particularly suitable for use in areas with people in transit.

Certifications by protectfire products:



Economical to purchase

Due to very low maintenance over a long period of time
Easy to project and interpret



Flexible and robust

Making it ideal for extreme conditions of use, e.g. in underground mining.



Easy installation

patented technology: protectfire's detexline (only one pipeline for detection and extinguishing).
the whole assembly requires very little tooling, as the components share measurements and typology.





INERT GASES ARE UNDOUBTEDLY
THE FUTURE
OF GASEOUS EXTINGUISHING AGENTS
ENVIRONMENTALLY FRIENDLY

detexAr
detexAn2

**SAFE USE IN AREAS WHERE
PEOPLE ARE PRESENT**

NON TOXIC

ARE NOT TOXIC, HOWEVER, THE OXYGEN CONCENTRATIONS IN RELATION TO THE AMBIENT AIR ARE SIGNIFICANTLY REDUCED (15%), SO THE PEOPLE PRESENT SHOULD BE ENCOURAGED BY OPTICAL AND/OR AUDIBLE ALARMS TO LEAVE THE EXTINGUISHING AREA BEFORE AND AFTER EXTINGUISHING.

Argon and Nitrogen as natural components of the ambient air are non-toxic and non-electrically conductive.

This **excellent environmental balance** has no other gaseous extinguishing media. Both gases are therefore not only practically safe, but also easily and quickly available almost everywhere.

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