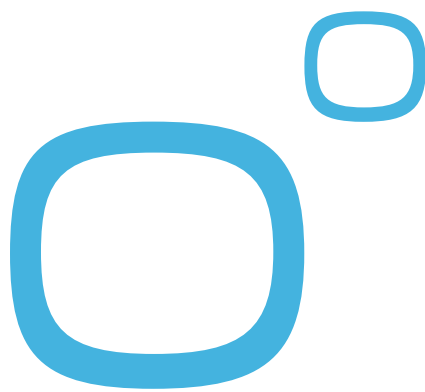


NITROGEN GENERATORS

DRY SPRINKLER



FLAIRMO



DRY SPRINKLER SYSTEMS

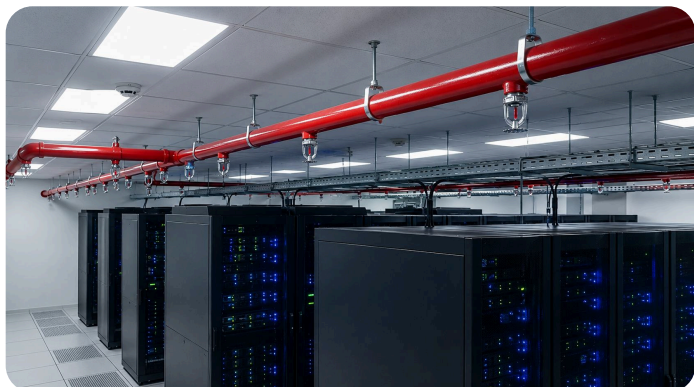
Why nitrogen in dry sprinkler systems

Nitrogen is rapidly replacing compressed air in dry pipe sprinkler systems for one simple reason: oxygen drives internal corrosion. Standard compressed air causes both galvanized and black steel pipes to corrode quickly, leading to leaks and system replacement within a few years.



N2 generator for fire protection

FLAIRMO has developed a high purity nitrogen system with automatic venting that ensures virtually no corrosion forms, even in the most remote branch lines, significantly extending the lifespan of the entire pipework. Furthermore, because the system prevents internal rust and buildup over time, systems no longer need to be over-dimensioned to compensate for future pipe restrictions - allowing engineers to design with smaller pipe volumes and more efficient pipe dimensions.



	AIR COMPRESSOR	N2G-DS4000
Oxygen in pipework	✗ 21%	✓ Below 2%
Corrosion	✗ Continuous	✓ Virtually stopped
Dimensioning	✗ Over-sizing	✓ Ideal sizing

Where are dry sprinkler systems used?



Data centers

Water above live racks is a risk in itself. Double-interlock pre-action keeps pipework dry until detection and an activated head signal a fire.



Car parks and basement garages

Car parks are often open to outside air, and pipes risk freezing in winter. Dry sprinkler systems keep the pipework empty until the system is activated.



Cold storage and freezer warehouses

Without heating, pipes risk freezing due to the cold temperatures. Dry sprinkler systems are the only option for this type of storage.



Unheated warehouses and docks

Cold temperatures rule out wet-pipe systems, which makes dry sprinkler systems the ideal solution for unheated warehouses and docks.

NITROGEN GENERATOR

Compact plug-and-play solution

Designed specifically for fire protection, the compact N2G-DS4000 integrates compressor, drying, filtration, and PSA nitrogen generation into a single cabinet with a 0.23 m² footprint. It delivers 99.5% nitrogen purity, above the 98% industry standard. The automatic venting system continually measures and purges oxygen to ensure high-purity nitrogen reaches every section of the pipework - no operator intervention needed. Just connect power and outlets; the unit automatically maintains pressure without external compressed air infrastructure, requiring only simple annual service.



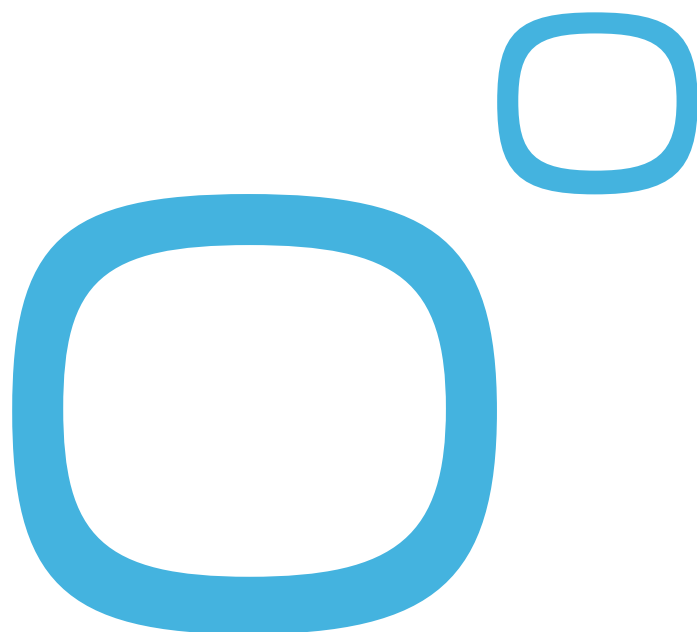
N2G-DS4000

Purpose-built nitrogen generator for dry pipe and pre-action fire sprinkler systems. Compact, silent, self-managing.

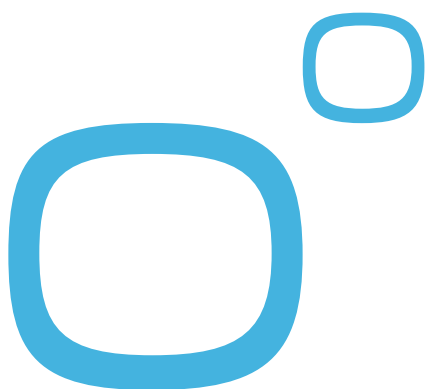
Air Flow	200 NI/min
Nitrogen Flow	40 NI/min
Auto Vent Ports	1-6 Lines
Air Supply	Oil-free internal compressor
Purity	99,5%
Touchscreen	4,3" Display

- ✓ Purpose-built nitrogen generator for dry pipe and pre-action sprinkler systems
- ✓ 0.23 m² footprint - compressor, drying, filtration and generation in one cabinet
- ✓ Plug-and-play - connect the outlet and power, nothing else to specify or source
- ✓ Rapidly pressurize pipework with air and let the system automatically switch to nitrogen mode when filled
- ✓ The nitrogen is distributed throughout the entire dry sprinkler system
- ✓ Automatic venting function that maintains correct N₂ atmosphere in the entire system





Nitrogen at your convenience



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