

Duraline

Cleveland Coil For High Rise Firefighting

- Outstanding performance at low pressure
- High kink resistance
- Simple deployment and retrieval
- Low maintenance



What is the Cleveland Coil?

The Cleveland Coil is a method in which the firehose is stored in a flaked configuration and secured with two retaining straps as seen in the main photo above. This flaked firehose can then be carried easily over the shoulder leaving one hand free.



In the Cleveland Coil method the entire length of the hose can be deployed and charged in confined spaces.



The above picture shows the Angus Fire Duraline fire hose presented in the Cleveland Coil method to enable firefighters to get hose deployed quickly and easily in restricted areas.

Duraline Cleveland Coil

The Cleveland Coil deployment of Duraline is the answer to the distinct and unique challenges that firefighters face in high rise buildings. The main issues involved with high rise firefighting are:

- Moving equipment quickly and easily up many floor levels
- Working in relatively confined spaces such as stairwells and access through door ways
- Maintaining water pressure at height
- Hose kinking at low pressure

Duraline performs better in the Cleveland Coil method than any other firehose due to its unique jacket construction, which ensures exceptional low pressure performance.



Angus Fire Duraline



Competitor Firehose

Once the Duraline has been successfully pressurised it can be stacked against the wall of a confined stairwell to free the floor or passage way of obstruction and trip hazards.

Duraline can be carried and deployed in up to 50 m lengths.

According to UK Fire Rescue Services the optimum diameter of hose used for the Cleveland Coil should be 51mm. This offers a good balance of hydraulic performance together with useability and flexibility for manual handling.

Duraline firehose has been the operational hose of choice for professional firefighters for many years and now delivers unrivalled performance when deployed in the Cleveland Coil method. No other firehose can achieve this performance as shown in independent testing by UK Fire and Rescue services.

The Duraline Cleveland Coil video is available on You Tube under Angus Fire.



Duraline

Type 3 Covered Fire Hose

Angus Fire's Duraline is the world's premier maintenance-free covered fire hose for municipal and industrial fire services.

Outstanding Performance

Significantly exceeds the requirements of the most demanding international standards for resistance to kinking, abrasion, heat, chemicals, oil, weathering, ultra-violet light and ozone.

Low Maintenance

Unique construction means Duraline can be wiped down after an incident and returned to storage without drying. Simple repair techniques are available to ensure damaged hose can be quickly and safely returned to service.

Exceptional Storage Life

Designed for the longest possible storage and service life. Used in every imaginable environment around the world, from arid desert to arctic tundra, Duraline has proven longevity over years of storage and service.

Best Value for Money

Exceptional robustness and storage properties ensure Duraline remains in operational service many years after imitation products have proven to be false economies.

A Lifetime of Experience

Produced continuously for over thirty years with an on-going programme of product improvements, Duraline continues to be the first choice of discerning operational fire departments.

Features specially formulated high grade synthetic rubber extruded through an all polyamide woven jacket to give a non-kinking construction and the best rubber-to-textile adhesion that modern technology can achieve.

Manufactured in compliance with BS EN ISO 9001:2008 quality management systems. Raw materials, components, and finished products are rigorously tested and inspected to ensure excellent product reliability.

An important feature of Duraline is its ability to be deployed in the Cleveland Coil configuration, which enables firefighters to take the hose from its stowed position in a standard vehicle hose locker and to carry it quickly and easily into high rise buildings, ready for immediate fire fighting.

Once charged with water from a landing valve for example, Duraline rapidly forms a smoothly coiled shape with no kinking, thus maximising the water flow and making it easy to manoeuvre through corridors and passageways.

Duraline also complies fully with the UK Royal Navy requirement for non-kinking in restricted gangways onboard ship.

Approvals

Exceeds the requirements of BS 6391:2009 Type 3 and is Kitemarked.

Wide range of manifolds, hardware and couplings including BS 336:2010 compatible British instantaneous type are available.



Typical Applications

- Municipal Fire Brigades
- Chemical & Petrochemical Complexes
- National and International Airports
- Military Bases
- Power Stations (Coal, Oil & Nuclear)
- Harbours, Terminals & Jetties
- Shipping

Nominal Technical Specification

| Diameter | inch | 1½ | 1¾ | 2 | 2½ | 2¾ | 3 |
|---|------|-------------|------|-------|-------|------|-------|
| | mm | 38 | 45 | 51/52 | 64/65 | 70 | 75/76 |
| Weight kg/m (excluding couplings) | | 0.29 | 0.33 | 0.4 | 0.47 | 0.55 | 0.68 |
| Average Short Length Burst Pressure (bar) | | 55 | 50 | 50 | 48 | 47 | 46 |
| Temperature Range °C | | -20 to + 50 | | | | | |

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