PN40 Semi-Rigid High-Pressure Fire Hose (Discharge)



The **PN40 DN25 semi-rigid high-pressure fire hose, 20 meters long**, is designed for firefighting professionals who need a robust, high-performance, and rapidly deployable water line.

Fitted with a **PN40 high-pressure bronze GFR coupling**, this hose provides a reliable and durable connection for the demanding applications encountered by **firefighters, civil defense services, industrial facilities, and emergency response teams**.

A high-pressure semi-rigid hose designed for fire hose reels

The **semi-rigid fire hose (TSR)** is specially adapted for the hose reels installed on emergency vehicles. Unlike a conventional flexible hose, it retains its shape and allows for rapid deployment without the need to fully unroll it before pressurization.

This design facilitates operations requiring rapid deployment and provides response teams with an effective water delivery system immediately.

Thanks to its **PN40 high-pressure** design, this hose meets the demands of operations requiring superior resistance to pressure and field conditions.

Complies with NF EN 1947 + A1 Class 2 Category 1

This **DN25 high-pressure semi-rigid fire hose** complies with the **NF EN 1947 + A1 Class 2, Category 1** standard, which applies to semi-rigid hoses used in firefighting equipment.

This compliance ensures a design suitable for professional use, particularly for fire trucks and systems requiring a reliable hose that is immediately available.

High-pressure PN40 bronze GFR coupling

This hose is delivered ready for use with a **PN40 high-pressure bronze GFR coupling already installed**.

Bronze is particularly well-suited for firefighting equipment due to its excellent mechanical strength and durability in harsh environments. The GFR coupling ensures a robust connection between the hose and compatible equipment used during emergency operations.

Construction of the High-Pressure Fire Hose

Its reinforced design combines strength, flexibility, and durability:

- **Inner tube:** black PVC
- **Reinforcement:** high-strength textile braid
- **Outer coating:** PVC
- **Appearance:** smooth outer surface
- **Design:** suitable for high-pressure applications

Technical Specifications

- **Product:** semi-rigid high-pressure fire discharge hose
- **Nominal diameter:** DN25
- **Length:** 20 meters
- **Rated pressure:** PN40
- **Inner diameter:** 25 mm (1")
- **Outer diameter:** 35.5 mm
- **Wall thickness:** 5.2 mm
- **Operating pressure:** 40 bar
- **Test pressure:** 100 bar
- **Bend radius:** 120 mm
- **Weight:** 0.75 kg/m
- **Connection:** PN40 high-pressure bronze GFR fitting
- **Operating temperature:** -20°C to +60°C
- **Standard:** NF EN 1947 + A1 Class 2, Category 1

Professional applications

The **DN25 high-pressure PN40 fire hose with a bronze GFR coupling** is designed for professionals seeking performance and reliability:

- Fire trucks and emergency response vehicles
- Fire department equipment
- Civil defense vehicles
- On-board high-pressure hose reels
- Rapid response units
- Industrial sites equipped with firefighting capabilities

MMF: Specialist in High-Performance Firefighting Equipment

MMF offers solutions tailored to the needs of fire safety professionals. This **20-meter-long DN25 semi-rigid hose with a PN40 high-pressure bronze GFR coupling** meets the needs of users seeking robust, compliant, and immediately operational equipment.

Drawing on its expertise in professional firefighting equipment, MMF supports emergency services, local governments, and industrial facilities with reliable solutions tailored to on-site conditions.