

FIRE HOSE REEL THERMOPLASTIC HOSE

Model No. FHR-S-030

Product Introduction

A fire hose reel is a type of firefighting equipment designed to quickly dispense water to extinguish or control fires. It consists of a cylindrical drum or reel, typically mounted on a wall, containing a length of fire hose that can be pulled out and used to direct water onto a fire. Fire hose reels are commonly found in buildings, factories, warehouses, and other commercial or industrial settings where fire safety measures are essential.

The main components of fire hose reel include:

- 1. Hose Reel Drum:** This is the cylindrical housing where the fire hose is stored. It is usually made of M.S. construction which is designed to prevent kinks or tangles in the hose as it is deployed.
- 2. Fire Hose:** The hose itself is typically made from a synthetic material like rubber, thermoplastic or PVC of 15/30 mtrs. in length. It is designed to withstand high water pressure and remain flexible even in extreme temperatures.
- 3. Nozzle:** The hose reel is equipped with a Stainless Steel/PVC nozzle at the end of the hose, which can be adjusted to control the water flow pattern, from a narrow jet to a wide spray. The nozzle allows firefighters or other users to direct the water precisely at the fire.
- 4. Shut-off Valve:** A shut-off valve is usually located near the hose reel, allowing users to turn the water supply on and off. This valve helps conserve water and allows for quick response when the hose is needed.
- 5. Mounting Bracket:** The hose reel is typically mounted on a wall or other secure surface using a mounting bracket. This ensures that the reel is easily accessible and ready for use in case of a fire emergency.



Reliability



Best in Quality



Cost Effective

Office:

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 sales@rachnafire.in  www.rachnafire.in

Works:

 Plot 60, Sector 5, AURIC, Shendra Aurangabad (MS)-431154

 (0240) 2481305 / +91-7774077891

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Installation:

- **Selecting the Hose Reel:** Choose a suitable fire hose reel that meets the requirements of the specific location and fire hazard. Consider factors such as the length and diameter of the hose, the water pressure available, and the type of nozzle.
- **Preparing the Mounting Surface:** The wall or surface where the hose reel will be mounted should be sturdy and capable of supporting the weight of the reel and the water it contains. The surface should also be free from obstacles that could obstruct access to the hose reel.
- **Connecting Water Supply:** Connect the hose reel to the building's water source/existing fire hydrant system using appropriate plumbing fittings.
- **Installing Shut-off Valve:** Install a shut-off valve near the hose reel to control the water flow. This valve allows users to turn the water supply on and off as needed.
- **Testing and Flushing:** Test the hose reel to ensure that water flows smoothly through the hose and nozzle. This step also helps flush out any debris that might have accumulated in the hose or nozzle.
- **Training:** Once the hose reel is installed and operational, provide training to building occupants, staff, or designated personnel on how to use the hose reel effectively and safely during a fire emergency. This includes proper handling of the hose, using the nozzle, and shutting off the water supply when done.

Note: Always follow the manufacturer's instructions and observe all safety precautions when setting up, assembling, and maintaining the fire hose reel. If you are unsure or have any questions, seek the help of a qualified firefighting equipment technician.

Care and Maintenance:

Regular testing and inspection is necessary to ensure that the fire hose reel is working properly and to identify any problems before they become emergencies.

- **Six-Month Inspections:** The reel should be visually inspected every six months to ensure that it is in good condition and free from damage. The nozzle should be checked to ensure that it is functioning properly.

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- **Annual Testing:** In addition to the visual inspection, the fire hose reel should be tested annually to ensure that it is delivering water at the proper volume and pressure. This test should be conducted by a qualified professional.
- **Record Keeping:** All inspections and tests should be documented to ensure proper record keeping and compliance with regulatory requirements.

Warranty and customer support:

RACPro Fire Hose Reel come with a limited 12 months warranty that covers defects in materials and workmanship for a specified period of time.

Having said that this limited 12 months warranty excludes certain conditions or situations, such as normal wear and tear, abuse, or neglect.

Customer support options for the fire hose reel includes:

- **Warranty repair:** Warranty repair is usually available by directly contacting at sales@rachnafire.in or at +91-7774077891. This service can repair or replace the hose reel or its components that are covered under the warranty.
- **Spare parts:** Spare parts are available through the manufacturer or a firefighting equipment supplier/distributor. This can include replacement parts for the monitor or its components that are necessary for repair or maintenance.

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Technical Data Sheet

FIRE HOSE REEL-THERMOPLASTIC HOSE

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Features:

- Simple, intuitive design makes it easy to use and operate in an emergency situation.
- Can deliver a high volume of water at a consistent rate.
- The PVC nozzle that can switch between straight and high-flow patterns efficiently.
- Compact and lightweight makes them easy to handle during fire emergency.

Technical Data:

- Model No.: FHR-S-30
- Reference: Design & construction in conformance to IS:884
- Side Plates: Mild Steel (IS:513) with Red Powder coating finish
- Side Plate Diameter: 560 mm
- Water way: Aluminum alloy corrosion free
- Hose Reel tubing: Thermoplastic Type-II (as per IS:12585)
- Hose Diameter: 20 mm
- Hose Length: 15 / 30 meter
- Shut off Nozzle: Rotary operated, leak proof PVC / Stainless Steel 304 with lever
- Working Pressure: 10.2 kg/cm²
- Test Pressure: 32.5 kg/cm²
- Performance Test: Discharge at 24LPM @7 Kg/cm² ; Range: 6 mtrs. (min)
- Rotation: 180 degree double swivel type
- Weight: 8 KG (approximate)
- Warranty: 12 months from date of supply against any manufacturing defect



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