

FLEXIBLE DROOPS FOR SPRINKLER

Product Overview: The Flexible Droops for Sprinkler supplied by Palladium Safety Solutions Pvt. Ltd. Are designed to provide reliable, efficient, and flexible solutions for fire suppression systems. These sprinkler hoses are manufactured with high-quality materials and modern technology to meet industrial standards. The product ensures durability superior performance, and easy installation for wet and dry fire protection systems.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Flexible Droops for Sprinkler



2. MATERIAL AND CONSTRUCTION DETAILS :-

Hose Material	High-grade stainless steel for maximum durability
Braiding Material	Reinforced stainless steel braiding (for braided hoses)
Fittings Material	Brass, galvanized steel, or stainless steel for superior corrosion resistance.
Threading	Standardized threading compatible with fire safety equipment.

3. DIMENSIONS AND CONFIGURATIONS :-

Short-Length Hoses	700 mm
Medium-Length Hoses	1000 mm
Long-Length Hoses	1500 mm

4. PERFORMANCE SPECIFICATIONS :-

Maximum Working Pressure	14 kgf/cm ² (200 PSI)
Maximum Ambient Temp.	107°C (225°F)
Minimum Installation Bending Radius	75 mm (3 inches)
Bending Angles (Flow Direction)	Up to 180°
Largest K-Factor for ½” outlet	5.6 (gpm/(psi) ^½)
Largest K-Factor for ¾” outlet	14.0 (gpm/(psi) ^½)
Intended Use	Wet system and Dry System Fire Protection

5. FEATURES AND BENEFITS :-

- Flexible and Durable – Designed to withstand high temperatures, pressures, and dynamic environments.
- Quick Installation – The pre-fabricated flexible hoses eliminate the need for threading or welding during installation, saving time and effort.
- Compact Design – Requires minimal space, ideal for tight installations.

- Corrosion Resistance – Stainless steel material ensures long-lasting performance in harsh environments.
- Custom Lengths – Available in multiple length options to suit diverse system requirements.

6. APPLICATIONS :-

- Commercial Buildings – Office spaces, shopping malls, and public places.
- Industrial Facilities – Factories, warehouses, and production units requiring flexible sprinkler installations.'
- Residential spaces – Apartments, villas and other residential buildings.

7. CERTIFICATIONS AND STANDARDS :-

- Compliance – Manufactured to meet national and international fire safety standards.
- Hydraulic Testing – Each hose undergoes rigorous pressure testing to ensure performance at the rated pressure.
- Material Testing – All components are tested for heat resistance, tensile strength, and corrosion resistance.

8. WARRANTY :-

Warranty Period - 12 Months from the date of supply.

Inclusions – Covers manufacturing defects and material quality issues.

Exclusions – Improper installation, mishandling, or unauthorized repairs.

- Environmental exposure beyond specified conditions.

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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