

SIDEWALL TYPE SPRINKLER

Product Overview: The Sidewall Type Sprinkler, supplied by Palladium Safety Solutions Pvt. Ltd., is an advanced firefighting device engineered to provide efficient and targeted water discharge in fire-prone areas. Designed with superior quality materials and available in multiple sizes and standards, this sprinkler ensures compliance with stringent safety requirements. Its specialized design makes it ideal for installations along walls where overhead sprinklers are not practical.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Side wall Sprinkler



2. MATERIAL AND CONSTRUCTION DETAILS :-

Body Material	Carbon Steel (high corrosion resistance and durability)
Glass Bulb	Heat-sensitive, colour-coded for specific temperature ranges.
Threading	NPT ½” or R ½” for compatibility with existing systems.
Finish	Smooth and corrosion-resistant coating for extended service life.
Discharge Pattern	Engineered for sidewall mounting to deliver uniform water spray patterns.

3. TECHNICAL SPECIFICATIONS :-

Operating Temperature Range	57°C, 68°C, 79°C, 93°C, 141°C, 182°C, and 260°C.
Response Type	Standard and Quick response options available.
Operating Pressure	Tested to operate at 12 bars.
Max Service Pressure	Rated at 175 PSI (12.07 bar).
Thread Size	NPT or R = ½”
Glass bulb colours	Orange, Red, Yellow, Green, Blue, Mauve, Black, (indicating temperature ratings).
Water Flow Rate	Designed for optimal discharge rates under various operating pressures.

4. PERFORMANCE SPECIFICATIONS :-

- Hydraulic Pressure – Withstands pressures up to 175 PSI to ensure reliable operation.
- Activation Time – Fast response to heat ensures rapid fire suppression.
- Spray Pattern – Designed for efficient coverage of wall-adjacent areas to prevent fire spread.
- Heat Sensitivity – High precision activation triggered by accurate temperature detection.

5. FEATURES AND BENEFITS :-

- Durable Constructions – High-quality Carbon Steel body ensure long-lasting performance.
- Precise Temperature Control – Glass bulbs are colour-coded for accurate activation.
- Space-saving Design – Ideal for wall-mounted installations where ceiling sprinklers are not feasible.
- Targeted Fire Suppression – Optimized discharge pattern ensures efficient water usage.
- Standard Threading – Compatible with most existing fire protection systems.

6. APPLICATIONS :-

- Residential Spaces – Wall-mounted sprinkler systems for apartments and homes.
- Commercial Properties – Offices, retail outlets, and enclosed public areas.
- Industrial Facilities – Warehouses, factories, and other industrial spaces.
- Special Environments – Suitable for locations requiring efficient wall mounted fire suppression.

7. CERTIFICATIONS AND TESTING :-

- Hydraulic Testing – Each unit is tested at maximum pressure to ensure safety and durability.
- Compliance Standards – Adheres to international fire safety standards and codes.
- Quality Assurance – Rigorous quality control ensures product reliability and safety.

8. WARRANTY :-

Warranty - 12 Months from the date of supply.

Coverage – Manufacturing defects and operational reliability under standard conditions.

Exclusions – Improper installation, misuse, and exposure to non-standard environments.

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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