

TECHNICAL DATA SHEET



HYDRANT LANDING VALVE – GUN METAL

Product Overview: The Hydrant Landing Valve – Gun Metal, supplied by Palladium Safety Solutions Pvt. Ltd., is a high-performance firefighting valve designed to provide reliable water delivery under high pressure. An essential component of fire fighting systems, it is built for durability, operational efficiency, and compliance with industry standards.

1. GENERAL DATA :-

Manufacturer	Palladium Safety Solutions Pvt. Ltd.
Trade Mark/Brand	“PALEX”
Type	Hydrant Landing Valve
Reference Standard	IS:5290



2. MATERIAL/TECHNICAL SPECIFICATIONS :-

Body Seat	LTB2 (IS 318)
Working Part Outlet	LTB2 (IS 318)
Rubber Washers	IS 937 (Type-A)
Spring	IS:7608
Cast Iron Wheel	IS:210
Gland Packing Material	Asbestos Thread (IS:4687, Type-3)

3. PERFORMANCE SPECIFICATIONS :-

Hydraulic Test (Body strength)	21 kg/cm ²
Hydraulic Test (Leakage Pressure)	14 kg/cm ²
Flow Rate Capacity	900 LPM

4. FEATURES AND BENEFITS :-

- Durable Construction – Manufactured from high-quality Gun Metal, ensuring resistance to wear and corrosion.
- High Performance – Designed to deliver consistent water pressure to extinguish fires effectively.
- Standards Compliance – Conforms to IS:5290 standards, ensuring reliability and safety.
- Efficient Design – Easy to operate under high-pressure conditions with user-friendly components.
- Versatile Application – Suitable for firefighting, smoke control, and water distribution.

5. APPLICATIONS :-

- Firefighting systems in industrial, commercial, and residential buildings.
- Emergency water supply systems for municipal and industrial purpose.
- Smoke shielding in firefighting operations in confined or smoke-filled areas.

6. CONSTRUCTION DETAILS :-

- Body Material – Gun Metal for exceptional durability and strength.
- Finish – Smooth, corrosion-resistant surface.
- Handle – Cast Iron Wheel for easy manual operation.
- Sealing Components – Rubber washers and asbestos gland packing ensure leak-free performance.
- Threading – Standardized threading for compatibility with other firefighting equipment.

7. PERFORMANCE STANDARDS :-

- Hydraulic Pressure – Tested at 21 kg/cm² for structural integrity.
- Leak-proof Performance – Validated under 14 kg/cm² pressure conditions.
- High Flow Rate – Up to 900 LPM, ensuring quick response during firefighting emergencies.

8. CERTIFICATIONS AND STANDARDS :-

- Fully compliant with IS 5290, certified by the Bureau of Indian Standards.
- Each unit undergoes rigorous quality checks to ensure performance and reliability.

9. WARRANTY :-

12 months from the date of supply. Includes manufacturing defects, material quality issues. Excludes improper usage, lack of maintenance, unauthorized repairs, or extreme environmental exposure.

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

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