

TECHNICAL DATA SHEET



HYDRANT LANDING VALVE – STAINLESS STEEL

Product Overview: The Hydrant Landing Valve – Stainless Steel, supplied by Palladium Safety Solutions Pvt. Ltd., is a high-performance fire fighting valve designed to provide reliable water delivery under high pressure. A critical component of hydrant system, 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 SPECIFICATION :-

Body Seat	LTB 2 (IS 318)
Working Part Outlet	LTB 2 (IS 318)
Nominal Size	63 mm
Rubber Washers	IS 937 (Type – A)
Spring	IS 7608
Cast Iron Wheel	IS 210
Gland Packing (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 – Made from stainless steel for corrosion resistance and longevity.
- High Pressure Performance – Handles significant pressure, ensuring efficient fire suppression.
- Standards Compliant – Conforms to IS 5290 and other BIS specifications.
- Ease of Use – Ergonomically designed for quick operation during emergencies.
- Multi-functional Application – Useful for firefighting, smoke shielding, and water distribution.

5. APPLICATIONS :-

- Fire fighting systems in industrial, commercial, and residential properties.
- Emergency water supply systems for municipal and industrial purpose.
- Smoke shielding for safer firefighting in confined or smoke-filled areas.

6. CONSTRUCTION DETAILS :-

Body Material	High-quality stainless steel for excellent durability.
Finish	Smooth and corrosion-resistant surface.
Handle	Cast iron wheel for easy manual operation under high-pressure conditions.
Sealing Components	Rubber washers and asbestos gland packing ensure leak-free operation.
Threading	Standardized threading for compatibility with fire safety equipment.

7. PERFORMANCE STANDARDS :-

- Maximum hydraulic pressure tested at 21 kg/cm² for structural integrity.
- Leak-proof performance validated under 14 kg/cm² pressure conditions.
- High flow rate of 900 Liters per minute, meeting the demands of large-scale fire emergencies.

8. CERTIFICATIONS AND STANDARDS :-

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

9. WARRANTY :-

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

PALLADIUM SAFETY SOLUTIONS PVT. LTD.

An ISO 9001 : 2015 Certified Company

Email: customercare@palladiumss.com Web: www.palladiumss.com

DELHI | GURUGRAM | CHENNAI