



Lock Shield Valve

Model Number: LF-LSV25

Certification: LPCB Approved

Standard Compliance: BS 5154



1. Product Description

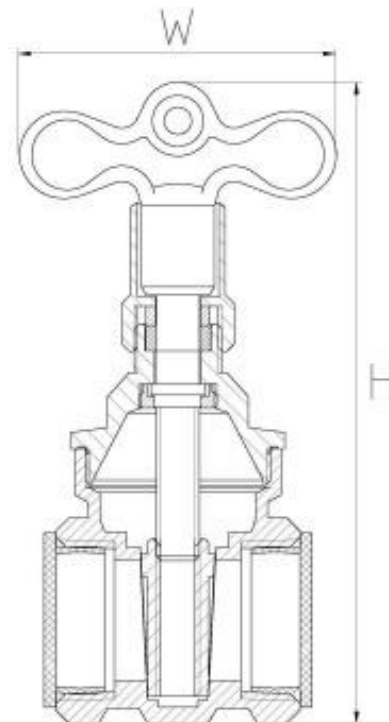
The LF-LSV25 is a specialized DN25 isolation valve designed for integration with **Fire Hose Reel** systems. It serves as the primary control valve to regulate or shut off the water supply to the hose reel, ensuring reliable performance and ease of operation during fire emergency situations.

2. Product Identification & Visual Description

- **Product Type:** Gate Valve
- **Material:** High-quality Copper Alloy (CZ121 or CZ122).
- **Operation:** Lockshield type (operated via a secure key/wrench interface rather than a standard handwheel to prevent unauthorized tampering).
- **Design:** Inside screw type with a non-rising stem and a robust solid wedge.

3. Dimensional Data

Parameter	Specification
Nominal Size	DN25
Height (H)	140 mm
Width (W)	65 mm
Inlet Connection	1" BSPT
Outlet Connection	1" BSPT
Wall Thickness	≥ 2.1 mm
Flow-way Area	≥ 25 mm (at any point)



4. Technical Performance & Testing

- **Nominal Pressure:** PN 20
- **Shell Test Pressure:** 30 bar
- **Seat Test Pressure:** 22 bar
- **Working Temperature & Pressure Ratings:**
 - **Standard Range:** 20 Bar at -10 °C to 66 °C
 - **High Temperature:** 9 Bar at 180 °C

5. Quality & Compliance

- **Threading:** Tapered threaded ends complying with BS 21.
- **Certification:** Full approval by the Loss Prevention Certification Board (LPCB).
- **Material Integrity:** Components are cast/forged from CZ121 or CZ122 copper alloy for corrosion resistance and durability.