FIRE HOSE REEL CABINET – OPERATION AND MAINTENANCE MANUAL

Reference : EN 671-3

A - GENERAL INSPECTION

Approval: ✅ - ❌

- [ ] 1.The cabinet door must open and close smoothly without obstruction.
- [ ] 2. The painted surface must be intact, free from rust, corrosion, or deformation.
- [ ] 3. All warning and identification labels must be legible and clearly visible.
- [ ] 4. The hose reel must rotate freely in both winding and unwinding directions.
- [ ] 5. The reel axis must be capable of rotating 270° around its vertical plane.
- [ ] 6. The cabinet must be firmly and securely mounted to the installation surface.
- [ ] 7. The operating instructions must be clearly visible and readable.
- [ ] 8. The valve and nozzle must operate smoothly without sticking or leakage.
- [ ] 9. The cabinet interior must be free from water leakage, moisture, or foreign substances.

B. FUNCTION AND LEAKAGE TEST

Approval: ✅ - ❌

- [ ] 1. Open the nozzle and slowly open the valve to flush the line and discharge any stagnant water.
- [ ] 2. Open and close the nozzle several times to check that the water flow is smooth and stable.
- [ ] 3. With the valve open and the nozzle closed, perform a pressure test on the hose line:
- [ ] • a) Inspect the valve for any signs of leakage.
- [ ] • b) Fully unroll the hose and visually check its entire length.
- [ ] • c) Examine all couplings and connection points carefully.
- [ ] • d) Ensure there are no leaks at the nozzle, reel, or intermediate fittings.

C. POST-USE PREPARATION

Approval: ✅ - ❌

- [ ] 1. After operation or testing, close the valve completely.
- [ ] 2. Drain all remaining water from inside the hose.
- [ ] 3. Rewind the hose neatly onto the reel without twisting or kinking it.
- [ ] 4. Leave the nozzle in the open position.
- [ ] 5. Before closing the cabinet door, ensure the interior is clean and completely dry.

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PERIODIC INSPECTION AND MAINTENANCE OF HOSES

- All hoses installed in BESYANGIN® fire hose reel cabinets must be subjected to a pressure test every five (5) years.
- During this test, hoses are filled with water up to a test pressure of 12 bar, and checked for leakage, deformation, or loose connections.
- If any blisters, cracks, or deformation are detected on the hose surface, the hose must be immediately withdrawn from service and replaced with an original BESYANGIN®spare hose.
- Pressure tests shall be performed only by authorized technical personnel in a safe and controlled environment.

INSPECTION AND MAINTENANCE RECORDS

- All inspections, checks, and test results must be permanently documented.
- These records shall be maintained by the responsible person or organization to ensure traceability and verification of previous tests.

Each inspection and maintenance record form must include the following details:

- Inspection and maintenance date (year and month)
- Test result (Pass / Fail or measured value)
- Type and installation date of any replaced or renewed components
- Any additional test or repair requirements
- Scheduled date for the next inspection and test (year and month)
- Identification number or tag reference of each hose reel and system

FIRE SAFETY DURING INSPECTION AND MAINTENANCE

Since certain parts of the system may be temporarily deactivated during maintenance, fire safety levels may be reduced.

Therefore, the following precautions must be taken:

- Maintenance should be carried out on a limited number of fire hose cabinets at a time.
- During maintenance, alternative firefighting equipment (portable extinguishers, foam systems, etc.) must be kept readily available.
- Personnel must be informed that the relevant areas are under temporary fire risk until maintenance is complete.
- Upon completion, ensure that all systems are fully reactivated and operational.

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WARRANTY COVERAGE

TERMS AND CONDITIONS

1. BESYANGIN® products are covered by a one (1) year warranty against manufacturing and workmanship defects, including all components, provided that the product is installed and used in accordance with the operating manual and has not been subjected to any unauthorized modification or interference.
2. The warranty period begins on the date of delivery, which is defined as the date indicated on the delivery note (waybill).
3. The warranty covers the entire product and all of its components.
4. If a manufacturing defect is detected in the product or its components, the defective part shall be repaired or replaced free of charge.
5. For any service under warranty, the product must be sent by the purchaser to the BESYANGIN® headquarters or an authorized sales point.
6. On-site service or intervention is not provided under this warranty.
7. Any repair or replacement carried out within the warranty period does not reset the warranty period, but the time spent in repair is added to the remaining warranty period.
8. If the same fault occurs more than twice, or four different faults occur within the warranty period, the product will be replaced free of charge with a new one.
9. Any unauthorized repairs or use of non-original spare parts will void the warranty entirely.
10. If the product's serial number, production code, or warranty label is removed, altered, or damaged, the warranty becomes null and void.
11. The method of replacement, testing, or repair for any defective part shall be determined solely at the discretion of BESYANGIN® technical evaluation.

CASES EXCLUDED FROM WARRANTY

The warranty does not apply in the following cases:

1. Faults caused by natural disasters (e.g., earthquake, lightning, flood, storm, etc.).
2. Damage occurring during transport, loading, unloading, storage, or shipping after dispatch from BESYANGIN®.
3. Damage due to improper storage, stacking, or handling prior to installation.
4. Scratches, corrosion, paint blistering, breakage, or deformation resulting from incorrect installation or handling errors.
5. Malfunctions caused by foreign materials (such as sand, gravel, or construction debris) entering the fire system.
6. Use of the product for non-firefighting purposes, such as garden irrigation, vehicle washing, or cleaning.
7. Exposure of the product to pressures exceeding the specified maximum operating pressure of 12 bar.
8. Improper use, negligence, or intentional damage contrary to the operating instructions.
9. Cuts, tears, or crushing of hoses due to contact with sharp or abrasive surfaces.
10. Paint or corrosion issues arising from installation in extreme environments (excessive heat, cold, humidity, or salinity) where the appropriate model was not selected prior to purchase.

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