TECHNICAL SPECIFICATIONS

1. HOSE REEL SYSTEM DATA

Parameter	Value / Description
Maximum Working Pressure (PN)	**12 bar**
Test Pressure	**18 bar**
Burst Pressure	**32 bar**
Hose Diameter	DN 25 mm
Hose Length	20 m / 25 m / 30 m
Hose Type	Semi-rigid, compliant with EN 694
Water Connection	DN 25 BSP male thread or flanged
Valve Type	Full-bore brass ball valve
Reel Hub	Double-sealed leak-proof system, brass or stainless steel

2. GENERAL STANDARDS AND SYSTEM INFORMATION

Parameter	Value / Description
Product Definition	Semi-Rigid Hose Reel Fire Cabinet
Manufacturing Standard	**EN 671-1:2012 — Fixed hose reels with semi-rigid hose**
Certificates of Conformity	CE Declaration • TSE Certified Test Report
Hose Standard	EN 694 — Semi-rigid hose
Intended Use	First intervention firefighting equipment, connected to building's fixed system
Operating Temperature Range	+5 °C / +60 °C
Reel Rotation Angle	270° (free vertical rotation)
Mounting Type	Surface-mounted • Recessed • Semi-recessed
Cabinet Material	Mild steel (DKP A-1) or stainless steel (EN 10130)
Surface Coating	Electrostatic powder coating

3. NOZZLE (LANCE) PERFORMANCE

Parameter	Value / Description
Nozzle Type	Jet / Spray adjustable flow
Equivalent Nozzle Diameter	**10 mm**
Pressure (P)	**K-Factor**
P = 2 bar	61
P = 4 bar	85
P = 6 bar	105
Minimum K-Factor	42

4. EFFECTIVE RANGE (per EN 671-1 Standard)

These values represent typical performance ranges as defined by the EN 671-1 standard. Actual results may vary by ±10% depending on on-site conditions and hose length.

◆ A. Effective Range at Specific Pressures (0.9 × Lmax)

Pressure (bar)	Jet Range (m)	Spray Range (m)
2 bar	6 – 10 m	3 – 4 m
6 bar	10 – 14 m	6 – 7 m
12 bar	14 – 25 m	8 – 9 m

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