

FIRE GROUP GEORGIA

"fire protection excellence, flexibility custom-made"

FIREFIGHTING EQUIPMENT

WATER SYSTEM PRODUCTS CATALOGUE

TS 671/1

TS 2821/1

EN 671

ISO 9001

WATER SYSTEM PRODUCTS - OVERVIEW

Fire Group Georgia supplies a comprehensive range of certified firefighting water-system equipment, meeting TS 671/1, TS 2821/1 and EN 671 standards. All products are tested for high-pressure durability and are suitable for municipal, industrial and building fire-suppression installations.

Category	Key Products	Standard	Pressure Rating
Valves	German Type, Italian Type, Record	TS 671/1	Up to 24 bar
Connection Mouths	Fire Dept. Connection, Hydrant Inlets	TS 671/1	12 bar working
Hydrant Systems	Above-ground, Underground hydrants	TS 2821/1	6 bar suction
Lances & Nozzles	Aluminium Lance, Turbo Jet, Fog Feeds	EN 671	12 bar / 35 m range
Foam Equipment	Foam Melanjor (proportioner)	EN 671	1-6% foam ratio
Hoses	Rubber Hoses, High-Strength Cloth Hoses	EN 671	48-50 bar
Couplings	Storz, instantaneous, threaded types	TS 671/1	24 bar strength

VALVES - TS 671/1

GERMAN TYPE VALVE

- Opening and closing torque: 3-5 Nm
- Suction coupling operating pressure: 6 bar
- Compression coupling operating pressure: 12 bar
- Strength rating: 24 bar
- Body material: brass / bronze casting
- Suitable for fire hose cabinet and hydrant installations

ITALIAN TYPE VALVE

- M 58 die casting body
- Material composition: 59% Copper, 39% Zinc
- High-tech CNC machining for precision tolerances
- Opening and closing torque: 3-5 Nm
- Suction coupling operating pressure: 6 bar
- Compression coupling operating pressure: 12 bar
- Strength rating: 24 bar

RECORD TYPE VALVE

- Keyless-entry opening and closing torque: 3-5 Nm
- Suction coupling operating pressure: 6 bar
- Compression coupling operating pressure: 12 bar
- Strength rating: 24 bar
- Available in multiple connection sizes
- Compliant with TS 671/1 standard

FIRE DEPARTMENT CONNECTION & HYDRANT SYSTEMS

FIRE DEPARTMENT CONNECTION MOUTH

- Water connection input sizes: 4" x 2.5" x 2"
- Aluminium water connector body
- Cast body and valve for durability
- Available in double-inlet and single-inlet configurations
- Compliant with TS 671/1 standards
- Wall-mounted and floor-mounted installation options

FIRE HYDRANT SYSTEM

- Compliant with TS 2821/1 standard
- Above-ground hydrant: standpipe type for accessible installation
- Underground hydrant: below-grade installation for road/pavement areas
- Alternative size options available on request
- Cast iron body with corrosion-resistant coating
- Designed for municipal water network connection

Hydrant System Specifications

Standard	TS 2821/1
Suction pressure	6 bar operating pressure
Types	Above-ground (standpipe) / Underground (below-grade)
Body material	Cast iron with protective coating
Connection	Storz coupling or threaded - multiple size options
Applications	Urban fire mains, industrial sites, building perimeter rings

LANCES & NOZZLES - TS 671/1 / EN 671

ALUMINIUM LANCE

- Opening and closing torque: 3-5 Nm
- Suction coupling operating pressure: 6 bar
- Compression coupling operating pressure: 12 bar
- Strength rating: 24 bar
- Lightweight aluminium alloy body
- Ergonomic design for comfortable operation

TURBO JET NOZZLE

- Pistol-grip handle for comfortable, secure hold
- More effective fire suppression due to improved aim and control
- Gun-type lance design for directed straight-stream attack
- Alternative size options available
- Selectable jet patterns on advanced models
- Suitable for both indoor and outdoor fire suppression

FOG NOZZLE / FOG FEEDS

- Open position: full straight stream
- Closed position: shut-off
- Fog / mist position: wide-angle spray for heat absorption
- Performance at 12 bar: 35 m throw distance, 500 L/min flow rate
- 2", 2.5", 2 3/4", 3" and 4" sizes available
- Suitable for structure firefighting and cooling applications

FOAM EQUIPMENT

FOAM MELANJOR - FOAM PROPORTIONER

- Foam concentrate proportioning range: 1-6%
- Aluminium water connector for corrosion resistance
- Cast body and valve for long service life
- Compatible with AFFF, FFFP and protein-based foam concentrates
- Alternative configuration options available
- Used in combination with foam lances or branch pipes

Foam System Applications

Fuel storage	Tank farms, petrol stations, aviation fuel depots
Industrial	Chemical plants, paint factories, solvent storage
Vehicle fires	Car parks, transport workshops, loading bays
Marine	Port facilities, vessel engine rooms
Airports	Helidecks with rapid-deployment AFFF systems

FIRE HOSES & COUPLINGS

RUBBER HOSES

- 2", 2.5", 2 3/4", 3", 4" sizes available
- High-strength rubber construction
- Pressure resistance: 48 and 50 bar
- Friction and abrasion resistant outer jacket
- Break-resistant for rough terrain deployment
- Standard lengths: 15 m, 20 m (custom lengths on request)

HIGH-STRENGTH CLOTH HOSES

- 2", 2.5", 2 3/4", 3", 4" sizes available
- High-strength woven polyester jacket
- Pressure resistance: 48 and 50 bar
- Friction and break resistant
- Lightweight - easier to carry and deploy than rubber hoses
- Ideal for fire hose cabinets and reel installations

Hose Technical Comparison

Property	Rubber Hose	Cloth Hose
Pressure rating	48-50 bar	48-50 bar
Weight	Heavier	Lighter
Abrasion resistance	Excellent	Very Good
Flexibility (cold)	Good	Excellent
Typical use	Outdoor / industrial	Cabinet / reel / indoor
Sizes available	2" - 4"	2" - 4"

STANDARDS & CERTIFICATIONS

All firefighting equipment supplied by Fire Group Georgia meets the relevant international and Georgian technical standards.

Standard	Title	Applicable Products
TS 671/1	Water-type firefighting equipment - hose couplings	Valves, couplings, lances, connection mouths
TS 2821/1	Fire hydrants - above and below ground	Hydrant systems
EN 671-1	Fixed firefighting systems - hose reels with semi-rigid hoses	Hose reels, cloth hoses
EN 671-2	Fixed firefighting systems - flat-laid hose systems	Rubber hoses, cloth hoses, cabinets
EN 694	Fire-fighting hoses - semi-rigid hoses	Rubber hoses, suction hoses
EN 1763	Foam proportioning equipment	Foam melanjor / proportioner
EN 15182	Hand-held and monitor nozzles for firefighting	Turbo jet nozzle, fog nozzle, aluminium lance
ISO 9001	Quality management systems	Manufacturing quality assurance for all products

CONTACT & COMPANY INFORMATION

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Fire Group Georgia reserves the right to make technical changes without prior notice. All specifications subject to confirmation at time of order. Installation must be performed by qualified specialists per applicable standards.

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