

Introduction Products



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PRODUCT CATALOGUE

Domestic Products

01. Fire Extinguishers

- Dry Powder ABC 4kg
- Dry Powder ABC 6kg
- Dry Powder ABC 8kg
- Dry Powder ABC 35kg
- Automatic hanging fire extinguisher ball ABC 6kg
- Automatic hanging fire extinguisher ball ABC 8kg
- CO₂ fire extinguisher 3kg
- CO₂ fire extinguisher 5kg
- CO₂ fire extinguisher 24kg
- Water-based fire extinguisher 4L
- Water-based fire extinguisher 6L
- Water-based fire extinguisher (throw type)



02. Fire Hoses

- Fire hoses D50
- Fire hoses D50

03. Fire Hose Nozzles

- Fire hose nozzles D50
- Fire hose nozzles D65



04. Fire Hydrants

- Two-nozzles fire hydrant
- Three-nozzles fire hydrant

05. Breeching Inlet Valve

- Two-nozzles breeching inlet valve
- Three-nozzles breeching inlet valve

06. Fire Angle Valve

- Fire Angle Valve D50
- Fire Angle Valve D65
- Pressure-Reducing Valve

07. Fire Coupling Equipment

- ĐRT.P-50
- ĐRT.P-65

08. Various Brass Valves

09. Cast Iron Valves DN100

THREE-NOZZLES FIRE HYDRANT

MODEL NO.

BQP



The 3-nozzles fire hydrant is a reliable firefighting device installed in water supply pipeline systems to provide water for firefighting purposes.

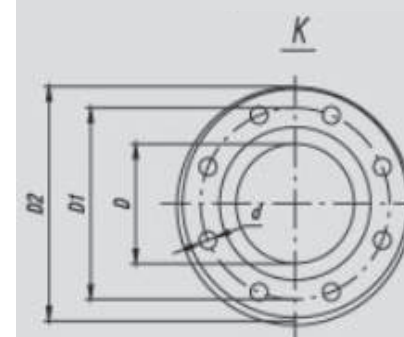
It is suitable for installation along roads, residential areas, factories, and other large premises.



TECHNICAL SPECIFICATIONS

Design Standard	TCVN 6379:2024
Material	Cast iron
Color	Red – gray – yellow
Inner Diameter	125mm
Outlet Diameter	Large outlet: 110mm - Small outlet: 69mm
Working Pressure	PN10
Dimensions	1500x340x313mm
Origin	VietNam

Inlet Flange Dimensions



Type	D	D1	D2	d
D100	100	180	220	8 lỗ Ø19
D125	100	210	250	8 lỗ Ø19
D150	100	240	285	8 lỗ Ø23

- ✓ The product is registered for industrial design protection by the Intellectual Property Office of Vietnam.
- ✓ The product is inspected and labeled by the Fire and Rescue Police Department.
- ✓ The product is affixed with an anti-counterfeit label (QR code).
- ✓ Warranty period: 12 months from the delivery date.



TWO-NOZZLES FIRE HYDRANT

MODEL NO. THN.BQP.00

2- Nozzles fire hydrant is a specialized device directly installed on the fire water supply pipeline system. With its dual D65 outlet design, the hydrant allows simultaneous connection of two fire hoses, helping to increase water discharge speed and improve fire response efficiency.

All 83MEC hydrants are manufactured to ensure high quality and are strictly tested and inspected before delivery.

TECHNICAL SPECIFICATIONS

Design Standard D65	TCVN 5739:2023
Material - Color	Cast iron – Red – Yellow
Inner Diameter (Outlet)	57mm
Inner Diameter (Outlet)	180mm
Bolt Hole Diameter	18mm
Valve Opening Turns	7 turns
Flange Connection Size	DN100
Working Pressure	PN10
Dimensions	350x220x260mm
Origin	VietNam



OUTSTANDING FEATURES

The head of the 83MEC two-nozzles fire hydrant is designed according to the TCVN 5739:2023 standard, ensuring good mechanical strength and meeting all technical requirements of the Fire and Rescue Police Department.

The 83MEC hydrant features a DN100 flange connection and two D65 outlets, allowing connection with DN65 fire hose couplings via a quick coupling system located on the upper surface of the hydrant body.

The hydrant body is made of cast iron, providing high durability, pressure resistance, and long service life.



FIRE ANGLE VALVE

MODEL NO. DN50.00 và DN65.00

The D50/D65 fire angle valve is used in fire water supply systems, allowing quick connection with fire hoses. The coupling head is designed according to TCVN 5739:2023, ensuring tightness and high compatibility. The product has good durability and operates stably under high pressure conditions.

The valve body is made from cast iron, one-piece molded for perfect sealing and absolute non-leakage even in high-pressure environments.

The handwheel and joint are made from anti-corrosive aluminum alloy with high durability; the joint is equipped with an EPDM rubber gasket for excellent heat and pressure resistance.

The valve stem is made of zinc-plated steel, providing high strength and effective corrosion resistance.



TECHNICAL SPECIFICATIONS

Connection Standard	TCVN 5739:2023
Material - Color	Cast iron – Red – Yellow
Outlet Inner Diameter	43mm (D50), 57mm (D65)
Working Pressure	PN10
Dimensions	155x135x92mm (D50) 193x155x102mm (D65)
Origin	VietNam

NEW

PRESSURE - REDUCING VALVE & VGGA-DN50 VGGA-DN65

TECHNICAL SPECIFICATIONS

Connection Standard	TCVN 5739:2023
Material / Color	Cast iron – Red – Yellow
Outlet Inner Diameter	43mm (D50), 57mm (D65)
Inlet Pressure	PN10
Outlet Pressure	2-10 Bar (adjustable)
Dimensions	170x135x92mm (D50) 205x155x102mm (D65)
Origin	VietNam



2-NOZZLES BREECHING INLET VALVE

MODEL NO. HTN.BQP.00



The 83MEC two-nozzles breaching inlet valve is an essential firefighting device used to supply water from external sources (such as fire trucks) into the fixed fire water pipeline system of buildings or industrial zones.

It ensures sufficient water pressure for fire hydrants and hose outlets in case the main water supply is interrupted or when emergency reinforcement is needed.

This product is suitable for installation in industrial zones, factories, warehouses, and key infrastructure projects.

8 TECHNICAL SPECIFICATIONS

Connection Standard (D65)	TCVN 5739:2023
Bolt Circle Diameter	180mm
Bolt Hole Diameter	18mm
Flange Connection	DN100
Working Pressure	PN10
Dimensions	285x270x140mm
Origin	VietNam



8 OUTSTANDING FEATURES

The product includes two DN65 outlets. The connectors are designed according to TCVN 5739:2023, allowing connection with DN65 fire hoses via coupling fittings.

The hydrant body is made of cast iron, ensuring no leakage under high pressure conditions and stable operation at PN10 working pressure.



4-NOZZLES BREECHING INLET VALVE

MODEL NO. HTN.BQP.02



The 83MEC 4-nozzles breaching inlet valve is designed to quickly supply water from fire trucks into the fixed fire protection system during emergency situations.

The device includes four DN65 outlets, with standard couplings manufactured according to TCVN 5739:2023, allowing simultaneous connection with multiple fire hoses.

The hydrant body is made from high-pressure cast iron, operating stably under PN10–PN16 working pressure, and is suitable for installation in industrial zones, factories, warehouses, and major infrastructure projects requiring high water demand.

8 TECHNICAL SPECIFICATIONS

Connection Standard (D65)	TCVN 5739:2023
Bolt Circle Diameter	240mm
Bolt Hole Diameter	23mm
Flange Size	DN150
Working Pressure	PN10
Dimensions	280x280x195mm
Origin	VietNam



8 OUTSTANDING FEATURES

The product includes four DN65 outlets. The couplings are designed according to TCVN 5739:2023, compatible with DN65 fire hoses via standard fittings.

The hydrant body is made of cast iron, ensuring no leakage under high pressure and stable operation at PN10 working pressure.



FIRE HOSE

MODEL NO. CV65 - 20/16 & CV50 - 20/16

The 83MEC fire hose is designed for use in professional firefighting systems, ensuring superior water transmission efficiency and high-pressure resistance.

The product is suitable for installation at pump stations, factories, residential areas, and industrial facilities.



TECHNICAL SPECIFICATIONS

	D65x20	D50x20
Weight (kg)	5.75	4.75
Working Pressure (MPa)	1.6	
Burst Pressure (MPa)	≥2.0	
Lining Material	White PVC	
Fabric Material	40% Filament weft yarn, 60% Polyester	
Coupling Standard	TCVN 5739:2023	

OUTSTANDING FEATURES

- Durability: Service life of 5–10 years.
- High abrasion resistance: Minimizes wear, cracking, and peeling compared to conventional rubber hoses.
- Safety: Non-slip under high-pressure conditions, ensuring safe and reliable use in firefighting operations.



FIRE HOSE NOZZLES

MODEL NO. 83MEC LP65A & 83MEC LP50B

The 83MEC fire hose nozzle is a crucial end component in the firefighting hose system.

It functions to adjust the direction and pressure of the water flow, enhancing the effectiveness of fire suppression by enabling fast and accurate targeting.

Manufactured from durable, corrosion-resistant materials, the product ensures stable performance under high pressure and harsh environmental conditions.



TECHNICAL SPECIFICATIONS

	D50	D65
Working Pressure	1.6Mpa	
Flow Rate at 0.7 MPa	4.2 l/s	9.1 l/s
Length	234 mm	236 mm
Weight (kg)	0.24 ± 10%	0.38 ± 10%
Nozzle Diameter	13	19
Manufacturing Standard	TCVN 13261:2021	

OUTSTANDING FEATURES

- Sturdy, compact, and lightweight design for easy handling and high aesthetic appeal.
- Oxidation-resistant surface, minimizing mold and corrosion during use.
- Withstands high pressure.



FIRE HOSE COUPLING

MODEL NO. ĐRT.P-50 và ĐRT.P-65

The fire hose coupling is an intermediate device used to quickly and securely connect components in the firefighting system such as hoses, nozzles, hydrants, and water supply pipes.

It ensures reliable water flow and performance during firefighting operations.

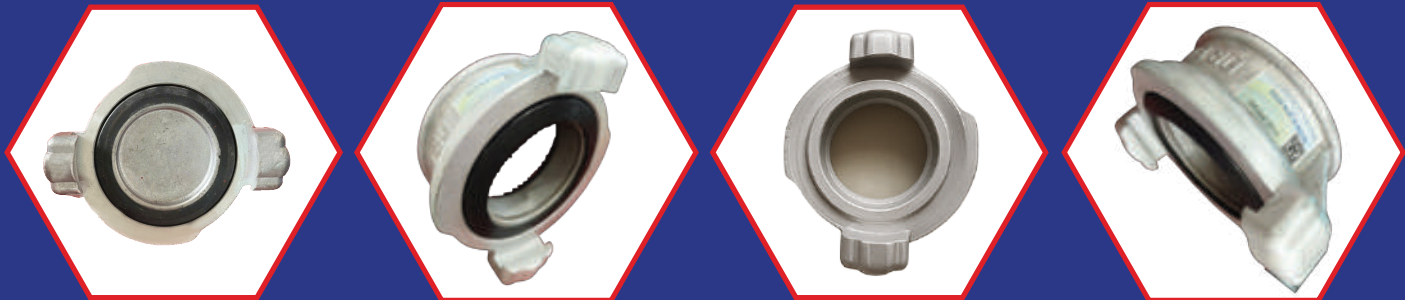
Designed in accordance with TCVN 5739:2023, the coupling allows for easy installation, rotation, and quick connection or disconnection, minimizing response time in emergencies.

TECHNICAL SPECIFICATIONS

Design Standard	TCVN 5739:2023
Material	Aluminum
Color	Gray
Inner Diameter	43mm, 57mm
Working Pressure	PN10
Dimensions	106x50x84mm (ĐRT.P-50) 128x56x102mm (ĐRT.P-65)
Origin	VietNam

OUTSTANDING FEATURES

- Designed and manufactured according to TCVN 5739:2023 by 83MEC, meeting modern firefighting equipment standards for durability and safety.
- Inspected and labeled by the Fire and Rescue Police Department.
- Warranty period: 12 months from delivery date.
- Made from high-pressure-resistant aluminum alloy, providing excellent corrosion resistance and stability under harsh conditions.
- The coupling is designed for tight, leak-free connections compatible with other standard hose fittings of the same type.



83MEC - FIRE EXTINGUISHERS



◆ **OUTSTANDING FEATURES OF 83MEC FIRE EXTINGUISHERS**



83MEC fire extinguishers are manufactured and tested according to ISO 9001:2015 and TCVN standards before delivery.



Equipped with traceability and anti-counterfeit labels.



User-friendly design, easy to handle and operate.



Various models and capacities to meet different requirements.



Widely applicable for homes, offices, factories, and fuel stations.



Cylinders made from high-strength steel, electrostatically powder-coated for corrosion resistance and high durability.



Fast and efficient fire suppression, ensuring safety and environmental friendliness.



Clear warranty policy: minimum 12-month warranty for all product types.

DRY POWDER ABC

- The 83MEC dry powder fire extinguisher is used to quickly extinguish fires caused by solid materials (such as wood, fabric, paper, fibers, etc.), flammable liquids (such as gasoline, oil, alcohol, etc.), and flammable gases (such as gas, LPG, etc.).
- With high firefighting efficiency, simple operation, and absolute safety, the product is widely used in homes, offices, factories, warehouses, gas stations, vehicles, and areas with high fire risk.
- The product is strictly quality-controlled to ensure optimal firefighting performance.
- The cylinder body is electrostatically powder-coated for anti-corrosion and enhanced durability.
- The pressure gauge is clearly displayed, making it easy to monitor, refill, and maintain.
- The valve system is made of high-quality materials, easy to operate, ensuring tightness and safe use.
- Each extinguisher is affixed with inspection seals from the Fire Prevention and Fighting Department and the manufacturer's label.
- Authentic 83MEC product, backed by a 12-month warranty.



TECHNICAL SPECIFICATIONS

	DRY POWDER ABC 4KG	DRY POWDER ABC 6KG	DRY POWDER ABC 8KG
Design Standard	TCVN 7026:2013		
Fire Extinguishing Agent	NH ₄ H ₂ PO ₄ , (NH ₄) ₂ SO ₄ ,...		
Powder Weight	4 KG	6 KG	8 KG
Use Temperature Range	+5°C ~ +60°C	+5°C ~ +60°C	+5°C ~ +60°C
Fire Rating	2A-55B	3A-89B-C	4A-144B
Test Pressure	2.3 MPa	2.3 MPa	2.3 MPa
Working Pressure	1.2 - 1.5 MPa	1.2 - 1.5 MPa	1.2 - 1.5 MPa
Model No.	83MEC/ABC/4KG	83MEC/ABC/6KG	83MEC/ABC/8KG
EXP	5 years	5 years	5 years
Origin	VietNam	VietNam	VietNam



DRY POWDER ABC 6KG

DRY POWDER ABC 35KG

Dry powder ABC 35kg is designed for firefighting in large areas such as factories, offices, parking basements, and other wide spaces where small portable extinguishers cannot provide sufficient coverage or efficiency.

This model features a large-capacity cylinder, containing a greater amount of extinguishing agent.

It is mounted on a steel trolley frame with wheels, allowing users to easily move it between different areas without exerting much effort.

MODEL NO.	83MEC/ABC/35KG
Design Standard	TCVN 7027:2013
Fire Extinguishing Agent	NH ₄ H ₂ PO ₄ ; (NH ₄) ₂ SO ₄ ,...
Powder Weight	35 kg ± 2%
Use Temperature Range	+5°C ~ +60°C
Fire Rating	6A-144B-C
Test Pressure	3MPa
Working Pressure	1.2 - 1.5MPa
Origin	VietNam



AUTOMATIC HANGING FIRE EXTINGUISHER BALL

MODEL NO.
83MEC/ABC/TĐ6KG & 83MEC/ABC/TĐ8KG

The 83MEC automatic dry powder fire extinguisher is specially designed to automatically activate when the ambient temperature reaches 68°C, quickly extinguishing flames within seconds.

With advanced technology and a safe, reliable design, this automatic extinguisher provides an effective and trustworthy fire protection solution.

All 83MEC products undergo strict quality inspection and are certified by the Fire Prevention and Fighting Department before being released to the market, ensuring compliance with safety and firefighting performance standards.

OUTSTANDING FEATURES

- Automatically activates when exposed to high temperatures (~68°C) via thermal sensor mechanism.
- Ceiling-mounted design saves space and allows for simple installation.
- Evenly disperses extinguishing powder to cover the entire protected area beneath the unit.

TECHNICAL SPECIFICATIONS

	6KG Automatic Fire Extinguisher	8KG Automatic Fire Extinguisher
Design Standard	TCVN 12314-1:2018	
Fire Extinguishing Agent	NH ₄ H ₂ PO ₄ ; (NH ₄) ₂ SO ₄ ,...	
Powder Weight	6KG ± 5%	8KG ± 5%
Use Temperature Range	+5°C ~ +60°C	+5°C ~ +60°C
Activation Temperature	~68°C	~68°C
Test Pressure	2.3 MPa	2.3 MPa
Working Pressure	1.2 - 1.45 MPa	1.2 - 1.45 MPa
Model No.	83MEC/ABC/TĐ6KG	83MEC/ABC/TĐ8KG
Origin	VietNam	VietNam



CO2 FIRE EXTINGUISHER

- The 83MEC CO₂ fire extinguisher is widely used in offices, factories, data centers, power stations, and many other facilities.
- It is especially effective for Class B and C fires, such as those involving flammable liquids and electrical equipment.
- The product meets the requirements of both residential and industrial fire safety systems, ensuring protection of people and property.
- It is an essential component in fire protection systems for manufacturing facilities, businesses, and service sectors.
- Quickly extinguishes fires within seconds.
- Leaves no residue, ensuring safety for electrical and electronic equipment.
- Simple structure, durable electrostatic-painted cylinder, and reliable valve system for easy operation.



MODEL NO.	83MEC/CO2/MT3 & 83MEC/CO2/MT5	
Specification	Bình chữa cháy CO2 3KG	Bình chữa cháy CO2 5KG
Design Standard	TCVN 7026:2013	
Fire Extinguishing Agent	CO ₂	CO ₂
Gas Weight	3 KG	5 KG
Use Temperature Range	+5°C ~ +60°C	+5°C ~ +60°C
Fire Rating	34B-C	55B-C
Test Pressure	25 MPa	25 MPa
Working Pressure	4.5 MPa	4.5 MPa
Model No.	83MEC/CO2/MT3	83MEC/CO2/MT5
Origin	VietNam	



NEW

83MEC/CO2/MT24 CO2 FIRE EXTINGUISHER 24KG

TECHNICAL SPECIFICATIONS

Design Standard	TCVN 7027:2025
Fire Extinguishing Agent	CO ₂
Agent Weight	24KG (+0, -5%)
Use Temperature Range	+5°C ~ +60°C
Fire Rating	55B-C
Test Pressure	22.5 MPa
Working Pressure At 20°C	4.5 MPa
Working Pressure At 20°C	15 MPa
Model Code	83MEC/CO2/MT24
Origin	VietNam

WATER-BASED FIRE EXTINGUISHER

MODEL NO. 83MEC/WFE/4L & 83MEC/WFE/6L

The 83MEC water-based fire extinguisher is a modern firefighting solution, researched and manufactured with the goal of ensuring user safety, high firefighting efficiency, and environmental friendliness.

The extinguisher uses a non-toxic, non-polluting extinguishing solution that leaves no residue, making it safe for use in enclosed spaces or areas containing electrical equipment.

The cylinder body is made of high-pressure-resistant steel, coated with durable electrostatic paint for superior corrosion and impact resistance.

The extinguisher is filled to standard pressure, equipped with a pressure gauge to allow easy monitoring of cylinder status.



NEW

TECHNICAL SPECIFICATIONS

	4L Fire Extinguisher	6L Fire Extinguisher
Design Standard	TCVN 7026:2013	
Extinguishing Agent	3% Water-Based Solution (S-3-AB)	
Agent Volume	4L ± 2%	6L ± 2%
Use Temperature Range	+5°C ~ +60°C	
Fire Rating	1A-55B-F	2A-89B-F
Test Pressure	2.3 MPa	2.3 MPa
Working Pressure	1.2 - 1.5 MPa	1.2-1.5 MPa
Model No.	83MEC/WFL/4L	83MEC/WFL/6L
EXP	5 years	
Origin	VietNam	



NEW

83MEC-N01 WATER-BASED FIRE EXTINGUISHER (THROW)

TECHNICAL SPECIFICATIONS

Model No.	83MEC-N01
Fire Extinguishing Agent	(NH ₄) ₂ HPO ₄ , PH(7-9), water
Capacity	600 ml
EXP	3 years
Origin	VietNam



BRONZE AND BRASS VALVES

OUTSTANDING FEATURES

- Working medium: Water, oil, gas
- Thread standard: BS21 / ISO 228-1:2000
- Maximum working pressure: 10 bar
- Maximum working temperature: 120°C
- Origin: VietNam

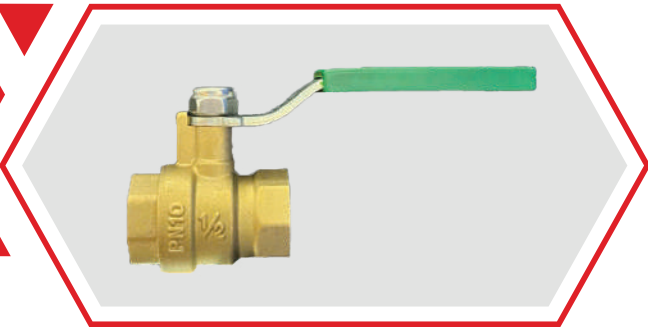
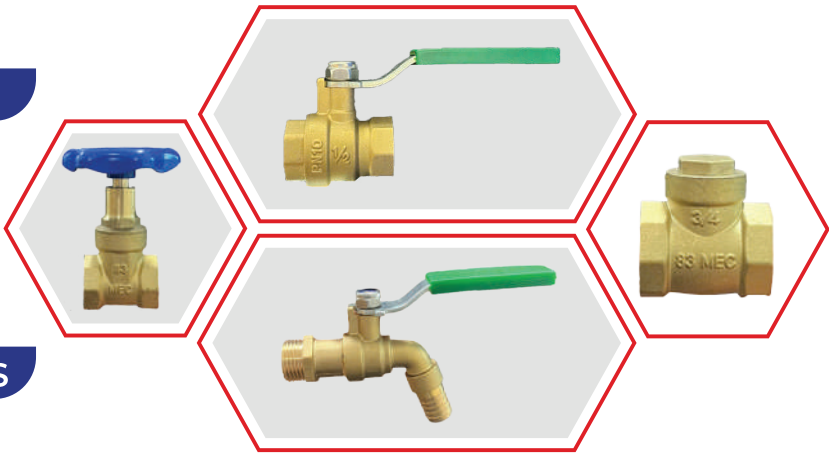
TECHNICAL SPECIFICATIONS

Brass Swing Return Valve		
Size (Inch)	1/2"	3/4"
DN (mm)	15	20
L (mm)	37	43
H (mm)	39	47

Brass Ball Valve Internal Thread		
Size (Inch)	1/2"	3/4"
DN (mm)	15	20
L (mm)	43	48
H (mm)	58	64
B (mm)	93	93

Water Control Brass Gate Valve		
Size (Inch)	1/2"	3/4"
DN (mm)	15	20
L (mm)	35.5	39.2
H (mm)	74.5	84
ØD (mm)	55	55

Forged brass tap		
Size (Inch)	1/2"	3/4"
DN (mm)	15	20
L (mm)	136	136
H (mm)	57	57
B (mm)	93	93



CAST IRON VALVES

MODEL NO. VCTC.BQP.00

The non-rising stem gate valve is a widely used industrial valve, commonly applied in power generation systems, water supply and drainage networks, wastewater treatment plants, and fire protection systems.

This type of valve functions to control, open, and close the flow of fluid within the pipeline system.

TECHNICAL SPECIFICATIONS

Working Pressure	PN10
Use Temperature Range	-10°C ~ +80°C
Flange Connection Standard	DN100
Origin	VietNam

OUTSTANDING FEATURES

The DN100 non-rising stem gate valve features a compact design, with the stem located inside the valve body, allowing for convenient installation and operation in narrow or confined spaces.

