

# BOCCIOLONE ANTINCENDIO



fire fighting  
equipment since  
1898

# The Company

**Bocciolone Antincendio** was founded in 1898 and has been awarded historical company by Italian Chamber of Commerce.

Bocciolone is today a solid and expanding company with Italian head and heart but with global focalization.

Bocciolone develops and manufactures components for firefighting installation and hose systems. We are leading Italian manufacturer for civil and industrial installations with a long tradition of manufacturing in Italy. Over the time we have improved and increased our production capacity to offer a complete range of accessories for firefighting equipment such as hose systems, pillar and underground hydrants, nozzles, marine equipment, sprinkler alarm valves, and couplings following different national standards.

In 2019 the relevant acquisition of Rack System took place and today we own some important brands in this business field (Bocciolone, RigeF and Rack System).

Our 4 plants are all established in Italy to allow us to ensure real compliance with quality standards imposed not only by international regulations but also by specific corporate choices. Control is effective and monitored in-house on 100% of production process.

The production facilities are located in Piemonte between Milan and Turin and here our strategies are defined, involving business agreements in Europe and other countries.

Economic growth, technological development, pursuit of quality, on-going research, project design activities, the strong presence in European markets are the key elements that have guided and still guide Bocciolone policies today.

Our ability to do research, invest in processes and develop unique state-of-the-art solutions in a world of ever-evolving expertise make clear our true “Made in Italy” spirit that pervades everything we do towards new future goals.





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# MANUAL FIRE HOSE REELS



Manual fire hose reel is a firefighting device consisting of a reel connected to water supply through a ball valve adjacent to the reel, semi-rigid hose and shut off nozzle. It is designed to be used as a quick-response method by anyone to fight fires in their early stages. Hose Reels are suitable for Class A fires: Paper, Textiles, Wood, most Plastics and Rubber.

Bocciolone Antincendio can supply two models of hose reel:

- Fixed type with hose guide: hose reel capable only of rotating in one plane with a hose guide adjacent to the reel.
- Swinging type: hose reel capable of rotating in more than one plane and mounted on a swinging arm.

Fire Hose Reels are easy to use and provide a virtually unlimited supply of water, as they are connected to water supply for fire service use. They are manufactured according to EN 671-1 standard and CE marked.

## Semirigid fire hoses

The semirigid fire hose of the hose reel can follow customer's requirements.

Fire hose are manufactured according to EN 694 and can be:

- nitrile / PVC compound i.d. 19 mm and length up to 30 meters or i.d. 25 mm up to 20 meters.
- white semirigid textile hose i.d. 25 mm, and length up to 30 meters. This hose is also available with an outside coating of red resin specially studied to increase the resistance to abrasion.

## Nozzles

Bocciolone Antincendio offers a range of Hose Reel Nozzles ideally suited for use on Bocciolone hose tubing (or equivalent), 19mm or 25mm. From full plastic and brass/plastic Jet /Spray Nozzles, Chrome Plated Lever-Operated Jet/Spray Nozzles to professional Aluminum/Nylon nozzles, Bocciolone's range meets the requirements of different standards and applications.



## Rodi by Giugiaro Design



The swinging hose reels "Rodi" by Giugiaro Design are designed to meet the modern architectural philosophies. The clean, neutral and minimalist shapes turn a system of high safety standard into a piece of furniture to be installed in hotels, theatres, restaurants, showrooms, museums. The neutral colours of the cabinet, interpreted through grey tones, give harmony to the space where they are located. Possibility of recessed installation with a special "Rodi" cover frame.

## Murano Collection



Cabinet with rounded edges and metal blind door. Swinging type reel. Cabinet available in steel with red RAL 3000 or white RAL 9016 enamel or AISI 316 stainless steel to provide long lasting protection even in aggressive environments. Coating can be customized on request. Many different models available for wall or recessed installation and with additional space for fire extinguisher.

## Basic Line



Fire cabinet with rounded edges, made of carbon steel, red RAL 3000 polyester powder coating. Aluminium frame with transparent plastic window "FIRE GLASS". Available for wall or recessed installation.

## Reels without cabinet



Fixed and swinging types for wall and recessed installation or base mounted with "Self-Standing" support. Carbon steel red painted reel in 535 mm or 600 mm drum diameter, supplied with grey plastic cover.

# FIRE HOSE SYSTEMS WITH LAY-FLAT HOSE

Fire Hose System is a firefighting device consisting essentially of cabinet, hose support, manual stop valve, lay-flat hose with couplings, multi-effect nozzle.

Hose Reels are suitable for Class A fires: Paper, Textiles, Wood, most Plastics and Rubber.

They are manufactured according to EN 671-2 standard and CE marked.

Bocciolone Antincendio provides many different types of hose systems.

## Fire cabinets

Different types of fire cabinets are designed for recessed or wall surface mounting, either for indoor and outdoor installation. Available also some models with additional space for fire extinguisher.

The different application solutions have been developed to combine high performance and safety product with a modern design employable in almost every situation.

The cabinets are made of carbon steel with polyester coating, stainless steel or polypropylene.

## Coupled lay-flat hoses

Fire hoses for fixed firefighting systems are manufactured according to EN 14540.

Lay flat fire hoses can be assembled with couplings according to many national standard such as STORZ (German), DSP (French), UNE (Spanish), BS 336 (British), NH (U.S.A.), GOST (Russian), etc...

The different types, sizes and materials available are listed in the appropriate sections of the catalogue.

The hose lengths employed are usually 15, 20, 25, 30 m.

## Branchpipes

Different models of branchpipes are available: Brass/Plastic and Light Alloy Lever-Operated nozzles, Jet/Spray Turn-Operated plastic nozzles.

Branchpipes for fixed firefighting systems are manufactured according to EN 671-2 standard.

## Fire valves

Fire valves are provided with hose connection according to applicable national standard.



CE





## Rodi by Giugiaro Design

The hose system cabinets "Rodi" by Giugiaro Design are designed to meet the modern architectural philosophies. The clean, neutral and minimalist shapes turn a system of high safety standards into a piece of furniture to be installed in hotels, theatres, restaurants, showrooms, museums. The neutral colours of the cabinets, interpreted through grey tones, give harmony to the space where they are located.



Poly-EXT



Poly

## Poly and Poly-EXT Line

"Poly" cabinets with rounded edges are supplied with transparent polycarbonate doors and polyamide hinges. Cabinets are available in carbon steel with red RAL 3000 enamel, AISI 304 stainless steel or red polypropylene.

"Poly-EXT" are compact cabinets made of polypropylene, door with window glass and integrated hose support



## Murano Collection with hose reel

Steel cabinet with rounded edges and window or blind door. Swinging hose reel. Available in red RAL 3000 or white RAL 9016 enamel.



## Murano Industrial

"All-Metal" cabinet for outdoor installation. Available in galvanized steel with red RAL 3000 enamel or AISI 316 stainless steel to provide long lasting protection even in aggressive environments. Metal door with metal handle and hinges.

# LAY FLAT FIRE HOSES

Lay flat fire hoses, for fixed systems inside buildings, industrial hose systems, fire brigades, marine equipment.

## Fire Hose Type 1

- Yarn: polyester high tenacity circular loom woven
- Inner lining: thermoplastic black elastomer
- Further advantages: maintenance free, mildew proof
- Employ: Water network in civil buildings
- Available diameters: DN 25, DN 38, DN 45, DN 52, DN 63, DN 70, DN 75, DN 100, DN 125, DN 150
- Compliant to: EN 14540 until DN 52.



## Fire Hose Type 1/MED

- Yarn: polyester high tenacity circular loom woven
- Inner lining: EDPM rubber or thermoplastic elastomer
- Further advantages: maintenance free, mildew proof
- Employ: marine equipment
- Certification: Marine Equipment Directive 2014/90/EU (MED)



## Fire Hose Type 2

- Yarn: polyester high tenacity circular loom woven
- Inner lining: EDPM rubber
- Outside coating: red resin
- Further advantages: resistant to aggressive environment, oil, chemical agents, hydrocarbons, mildew proof
- Employ: marine equipment and water network in industry with high fire risk and aggressive environment, heavy duty, refinery and petrol-chemical plants.
- Compliant to: ENI 0198.00 type B table.
- Certification: Marine Equipment Directive (MED) DN 45 only upon request
- Available diameters: DN 25, DN 45, DN 70



## Fire Hose Type 3

- Yarn: polyester high tenacity and polyamide circular loom woven
- Extruded hose: polyester yarn embedded in extrusion of NVC compound. Ribs on the external surface to increase abrasion resistance.
- Further advantages: high abrasion resistance, resistant to oil and chemicals, very good ageing and UV resistance.
- Employ: municipal and industrial fire brigades, ships, refineries, industrial and military use.
- Compliant to: ENI 0198.00 type C table.



# COUPLED FIRE HOSES



Flexible fire hoses are supplied with different types of couplings according to the following national standards: UNI (Italian), DSP (French), BS 336 (British), NH (U.S.A.), STORZ (German), GOST (Russian), UNE (Spanish). The types, sizes and materials available for the couplings are listed in the next section of this brochure.

The hose lengths employed are usually 10, 15, 20, 25, 30 m. Fire hoses MED certified are available for some models.



## Hose Binding Operation

Binding process is done by wire binding or crimp binding according to applicable national standards.



## Hose Coupling Cuff

It reduces impact damage when the hose is dropped or dragged. Prevents potential hand injuries during coupling connection. Fits tightly behind the coupling collar preventing ingress and build up of mud between the coupling and hose. Manufactured in synthetic rubber.

Available from DN 25 mm to DN 125 mm hoses.



## Hose Reel for Long Hoses

The support can be mounted on the floor or on the wall. It has a hand crank to rewind the hose.

- Material: steel

# FITTINGS, COUPLINGS AND CAPS

Coupling is a device used to connect the fire hose to the valve and to the nozzle.

Adaptors and blank caps are needed in special cases:

adaptors are used to switch from one size to another size or from a threaded end to a quick connection, while blank caps are used to shut connections fitted on a fire equipment.

Spanners to allow complete connection of the couplings are designed according to applicable standard.

## Storz Standard

A Storz coupling is a quick connection coupling, commonly used to connect a fire hose to a fire hydrant.

It is a symmetrical coupling (without male/female part) which is very easy to connect. This is the standard coupling employed in many countries such as Denmark, Germany, Austria, Poland, Switzerland, the Netherlands, Greece, Israel, Portugal, etc...

Once the lugs of the clamp fitting match the slots of the opposite flange it's necessary to turn the two flanges each other to ensure tightness of the connection.

Storz couplings are available in several sizes for delivery and suction operation. They are manufactured according to the applicable national standard.



## AFNOR Standard

A DSP coupling is a self-sealing symmetrical coupling which is secured by inter-connecting two couplings together.

To get a tight connection a locking ring shall be turned up to stop. In this way two preformed bosses on the locking ring match the grooves preformed on the connecting coupling. DSP couplings can be used for delivery operation only. They are compatible with Guillemin couplings which are used for different purposes.

They are manufactured according to NF S61-701.



## NFPA Standard

National Hose Thread (NH), also known as National Standard Thread (NST) is a non-symmetrical coupling with male and female part.

It is the most common type of fire hose coupling used in the United States.

They are suitable for delivery and suction operations.

The male and female threads screw together and the connection is sealed with a gasket.





## British Standard

Instantaneous BS 336 coupling is a non-symmetrical quick connection coupling with a male and female part. The two parts are connected by plugging together. They come in two versions: with twist or double pull release device. In both cases one or two spring loaded plungers located in the female part grip behind the lip of the male part. The couplings provide a straightforward solution to connect many lengths of hose together and can be easily disconnected by twisting or pulling the release mechanism. Instantaneous couplings come with a 2½" nominal male and female size and are manufactured according to British standard. The couplings are only employable for delivery operation while for suction operation round the thread couplings (BSRT) are required.



## GOST Standard

GOST are symmetrical couplings manufactured according to Russian standard (GOST 28352-89), available in several sizes. They are suitable for delivery and suction operations. They can be connected by rotating the clamp fitting where two grooved lugs match the two cams of the connecting coupling.



## UNE Barcelona Standard

Barcelona are symmetrical couplings with three engaging lugs, available in several different sizes. Manufactured according to Spanish Standard UNE 23400 and suitable for delivery operation only. When rotating one coupling inside the other, the lugs of one coupling engage themselves in the corresponding lugs of the other coupling assuring the tightness of the connection.



## JIS Standard

Nakajima are rigid inter-lock type symmetrical couplings, manufactured according to JIS F 7335, suitable for delivery and suction operations. They can be connected by rotating the clamp fitting where two grooved lugs match the two cams of the connecting coupling.

# FIRE EXTINGUISHERS ACCESSORIES

## UpSafety Cover and Neck

### High safety for fire extinguishers.

UpSafety is the new concept in the fire-fighting sector that enhances security by standards. A new line of products, revolutionary in design and built to respond to a degree of safety that goes beyond the regulations.

The innovative UpSafety Cover and Neck has many technical advantages that ensure easy application and durability, as well as numerous advantages for people safety.

### Safety and easy pick-up

In compliance with the EN 3-7 Standards, the UpSafety Cover and Neck allow the fire extinguisher to be safely placed and easily removed if necessary.



## Fire Extinguisher Stand

Floor stand suitable for portable powder and carbon dioxide CO2 fire extinguishers complete with flag indicator sign.

Available finish: red painted, chrome, red painted with plastic base.





## Murano Oblò

Fire extinguisher cabinet "Murano Oblò" with metal door.  
With plastic inspection window.  
Possibility of recessed installation with an optional cover frame applicable even after the installation of the cabinet.  
Cabinet comes in two sizes with height 600 mm (normally for 6 kg powder fire extinguisher) or 800 mm.  
Available in red RAL 3000 or white RAL 9016 enamel or AISI 304 stainless steel natural finish.



## ABS Fire Extinguisher Box

Manufactured in ABS with a red base and a red or transparent cover, complete with EPDM fasteners, this box ensure a good protection and prevent people from contact of the fire extinguisher. The extinguisher shall be fixed to the wall through the plastic base.  
Sizes available for most common powder fire extinguishers 6 kg, 9 kg and 12 kg.



## Rodi by Giugiaro Design

"Rodi Giugiaro" fire cabinet with rounded edges, made of carbon steel, grey RAL 7035 enamel.  
Door made from plastic with double shell manufactured by thermoforming process, metallic anthracite gray colour with transparent polycarbonate window.  
Suitable for powder fire extinguisher Kg 6 or CO<sub>2</sub> Kg 2.  
Possibility of recessed installation with optional cover frame.

# PILLAR HYDRANTS

Pillar hydrant is a device connected to a pressurized water supply designated to supply water for firefighting during all phases of the fire. It has a barrel which emerges from below the ground level, allowing above ground connection of equipment for firefighting purposes.

Following customer's specification hydrant can be supplied:

- without connections: outlets are female BSP threaded. In this case the purchaser can provide by himself the required connection;
- with connection and plug: available connections Boccione can normally supply are UNI (Italian standard), DSP (French standard), BS 336 (British standard), NH (American standard), STORZ (German standard), GOST (Russian standard), UNE (Spanish standard).

Following customer's requirements each hydrant can be supplied with:

- two side outlets;
- two side outlets and one front outlet for fire truck connection.

Each hydrant is supplied with antifreeze drainage system. The drainage system automatically drains the water inside the hydrant when it is closed and prevents internal surface of the shell from corrosion. All parts of the drainage system are made of corrosion resistant materials.

All components are in cast iron and they are duly coated to protect them against corrosion.

Our production program includes three styles of hydrants:

## Style "EUR"

Made from cast iron. It comes in two models:

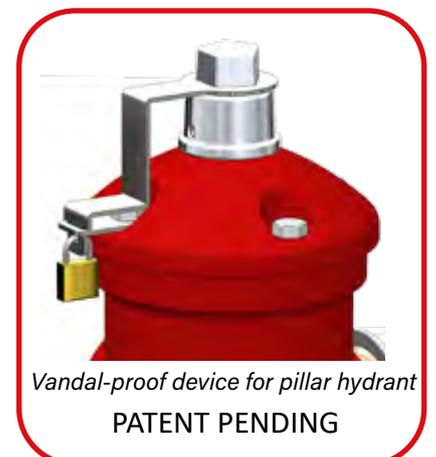
- type A: without break system: recommended in the area where hydrant cannot be hit by car or truck (such as green areas). It is cheaper and it performs better during pressure drop test;
- type C: with break system: recommended when possibility of collisions is believed to be more real (on the road for instance). The break system is a mechanism which allows the above ground part to separate from the below part when subject to impact whilst maintaining the seal of the main valve. The hydrant is designed to allow replacing the above part without excavation work.

## Style "MONOTUBO"

Barrel is manufactured in galvanized steel, available only without break system.

## Style "66FM"

American standard: barrel in cast iron, according to AWWA C 502, UL listed, FM approved, available only with break system.



Vandal-proof device for pillar hydrant  
PATENT PENDING

CE



## Style EUR

Dry pillar fire hydrant in cast iron with two or three outlets with antifreeze automatic

drainage system, according to EN 14384, CE marking.

Nominal diameters: DN 80 - DN 100 - DN 150 mm.

Outlets with connections and blind caps are available in the following national standards:

UNI (Italian), DSP (French), BS 336 (British), NH (U.S.A.), STORZ (German), GOST (Russian), UNE (Spanish).

Different underground depth are available: 500, 700 and 980 mm.

Type A - fire hydrant without break system

Type C - fire hydrant with break system.

**Type C DN 80/100 hydrants are available on request in a special version for drinking water, compliant to Italian Decree dated 6th April 2004, n. 174 of the Ministry of Health.**

CE



## Style Monotubo

Fire hydrant type A (without break system), two outlets, with galvanized steel barrel, antifreeze automatic drainage system, according to EN 14384, CE marking.

Nominal diameters: DN 80 - DN 100 mm.

Outlets with connections and blind caps are available in the following national standards:

UNI (Italian), DSP (French), BS 336 (British), NH (U.S.A.), STORZ (German), GOST (Russian), UNE (Spanish).

Total length of the barrel can be customized.

PATENTED



## Style 66FM

Cast iron fire hydrant style 66FM, with three outlets, type C (with break system), with 2 outlets 2"1/2 NH + 1 outlet 4"1/2 NH, depth 1219 mm, antifreeze automatic drainage system, according to AWWA C 502, UL listed FM approved.

Nominal diameter: 6" - DN 150 mm.

# UNDERGROUND HYDRANTS

Underground hydrant is a device connected to a pressurized water supply designated to supply water for firefighting purposes. It is usually located under a manhole cover. Standpipe when connected to the outlet of the hydrant is used for taking water from underground hydrant and can have one or two hose connections.

Following customer's specification hydrant can be supplied:

- with threaded connection;
- with quick connection (bayonet grip coupling).

Each hydrant is supplied with antifreeze drainage system. The drainage system automatically drains the water inside the hydrant when it is closed and prevent internal surface of the shell from corrosion. All parts of the drainage system are made of corrosion resistant materials.

All components made of cast iron are duly coated to protect them against corrosion.

## Model EUR-PRO

The EUR-PRO underground fire hydrant is designed for easy maintenance operation:

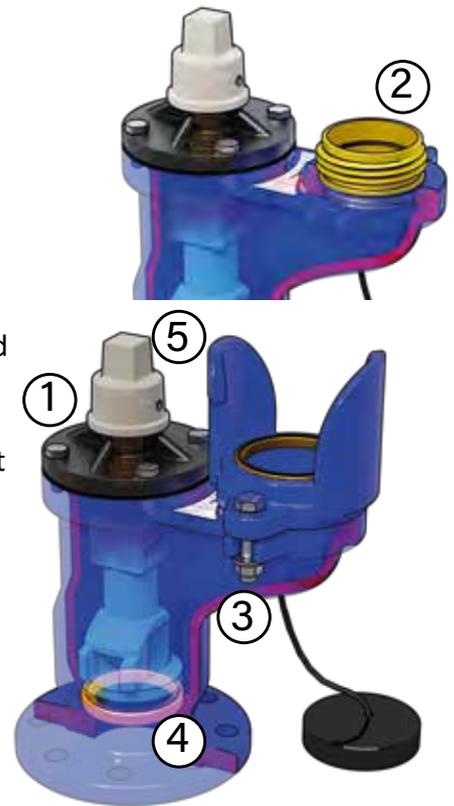
The cap is bolted to the body of the hydrant (1) to easily remove the obturator.

The threaded outlet is screwed directly to the valve body (2) while the quick bayonet outlet is assembled with bolts locked in U-slots (3).

To facilitate maintenance, the anti-freeze drainage system can be removed without closing the water supply.

Stem and seat ring made of brass to prevent corrosion (4).

Operating nut id made from light alloy (5).



## Style EUR-PRO

Underground fire hydrant with one outlet, antifreeze automatic drainage system, according to EN 14339, CE marking.

Suitable for drinking water.

With flange PN 16 according to EN 1092-2.

Nominal diameter: DN 80

Material:

- Body, cap, obturator: cast iron EN-GJL-250
- Quick connection coupling: cast iron or brass
- Seat seal and gaskets: NBR
- Stem, seat ring and draining valve: brass
- Operating nut: light alloy
- Coating: blue corrosion epoxy coating.





## Standpipe for Underground Hydrant

Standpipe with quick inlet connection (bayonet or threaded).  
Once bolts of the head are loosen the outlets can be oriented as needed.

Our production program includes:

- TYPE A: with one outlet;
- TYPE B: with two outlets.

Outlets of standpipe can be supplied with or without gate valves and with connection following different national standard: UNI (Italian standard); DSP (French standard); BS 336 (British standard); NH (American standard); STORZ (German standard); GOST (Russian standard); UNE (Spanish standard).

Material:

- head, inlet coupling: brass;
- pipe: steel with anticorrosion black coating.



## Duck Foot Bend

Duck foot bend for pillar and underground hydrants.

Flange PN 16 according to EN 1092-2.

Nominal diameters: DN 80 - DN 100 - DN 150 mm.

Material: cast iron according to EN 1563 with anticorrosion black coating.



## Manhole Cover

Oval shape manhole cover for underground hydrant

Available classes: 125 kN - 250 kN

Material: cast iron with anticorrosion black coating.

# FIRE NOZZLES

The Nozzle is a device connected at the end of a fire hose used to direct and control discharge of water to extinguish a fire.

All our products are designed to get a steady and solid stream of water in full jet position and to provide a wide fog pattern in spray jet position to obtain a better extinguishing efficiency and cooling effect. They have good resistance to impact and they are self-cleaning. Symbols of the control settings are provided on the housing.

## Sprayjet nozzle

Nozzle for CE fire hose reels according to EN 671-1 standard.  
Jet adjustment by turning the red handle to operate continuously from hollow straight stream to spray jet.

- Material: handle, body in hard plastic
  - Hose tail: in POM or brass; available sizes 3/4" and 1"
  - Outlet bore: Ø 7, Ø 8 or Ø 10 mm (equivalent)
- Available also with threaded BSP 1" inlet



## Smartjet nozzle

Nozzle for hose reel according to specific regulations.  
Branchpipe with three positions (full, off, spray jet) lever operated.

- Material: chromed brass
- Available sizes: 1/2" and 3/4" with outlet bore Ø 6 mm and 1" with outlet bore Ø 8 mm



## Starjet nozzle

Nozzle for CE fire hose system according to EN 671-2 standard.  
Branchpipe with three positions (full, off, spray jet) lever operated.

- Material: plastic (pipe and lever) - brass (tip and body)
- Inlet: male thread BSP 2" (Storz, DSP, BS, NH, GOST, UNE, Nakajima connections available)
- Outlet bore: Ø 12 or Ø 13 mm



## Industrialjet/Bocciolone MED nozzles

Nozzle for CE fire hose system according to EN 671-2 standard, professional use and ships installation. Model approved under Marine Equipment Directive (MED) is available upon request.

- Branchpipe with three position (full, off, spray jet) lever operated.
- Material: light alloy with rubber cover (2"-2 1/2") / light alloy with plastic pipe (1")
  - Inlet sizes: male thread BSP 1" - BSP 2" - BSP 2 1/2" (Storz, DSP, BS, NH, GOST, UNE, Nakajima connections available)
  - Outlet bore: Ø 4 or Ø 8 mm for 1" size; Ø 12 mm for 2" size; Ø 16 mm for 2 1/2" size



## Longjet-V/Longjet-C nozzles



Nozzle for CE fire hose according to EN 671-2 standard.

Jet adjustment by turning the red handle to operate continuously from hollow straight stream to spray jet.

- Material: thermoplastic resin body
- Inlet sizes: male thread BSP 2" (Storz, DSP, BS, NH, GOST, UNE, Nakajima connections available)
- Outlet bore: Ø 12 - Ø 13 mm (equivalent)

## Professionaljet nozzle



For professional use according to EN 15182-3 standard.

Branchpipe four effects (full jet, shut-off, spray jet, water curtain) lever operated. Water curtain provides an additional spray jet with angle variable from 0° to 170°. By turning a ring at the top of the nozzle, the operator can add an independent water shield to protect himself against smoke and heat.

- Material: light alloy with rubber cover
- Inlet sizes: BSP 2" - BSP 2"1/2 (Storz, DSP, BS, NH, GOST, UNE, Nakajima connections available)
- Outlet bore: Ø 9 for 2" size - Ø 16 mm for 2"1/2 size

## Controljet nozzle



Nozzle for professional use according to EN 15182-2 type 3.

Variable jet pattern with selectable flow. The flow rate is not affected by the pattern.

Quick change from straight to fog jet.

Wide fog pattern for optimized personal protection.

Flush position to clean the nozzle under use.

- Main material: High strength aluminum construction with special surface treatment
- Inlet sizes: BSP 1"1/2 - BSP 2"1/2 (Storz, DSP, BS, NH, GOST, UNE, Nakajima connections available)
- Selectable flow rate: 60-130-200-250 l/min for 2" size; 70-130-230-400 l/min for 2"1/2 size

## Naval Brass nozzle



Nozzle for marine fire service use.

Branchpipe three effects (full jet, shut-off, spray jet) lever operated, in "Naval Brass" alloy with rubber cover. Resistance to corrosion even in aggressive environment.

- Material: "Naval Brass" alloy with rubber cover
- Inlet sizes: male thread BSP 2" (Storz, DSP, BS, NH, GOST, Nakajima connections available)
- Outlet bore: Ø 12 - Ø 16 mm

## Manual Monitor



Adjustable manual monitor .

Maximum working pressure PN 16.

Horizontal movement (rotation): 360°. Vertical movement: -45° + 45°.

Adjustable by handle. Lockable by handwheels.

Outlet connection for nozzle.

- Inlet connection: BSP 2"1/2 thread or DN 65 flange PN16.
- Main material: bronze body

# FIRE VALVES

A Fire valve is the core part of the hose system. It's permanently under pressure and it works like a stop valve with technical features required by national standards. The valve is screw-down type and it opens in a counterclockwise direction.

Bocciolone Antincendio manufactures many type of brass fire valves:

- Maximum Working pressure 16 and 25 bar
- Handweel in steel, nylon or light alloy
- Size: 1", 1"1/2, 2", 2"1/2
- Inlet and outlet with male thread

Many different standards connections are available such as STORZ, DSP, BS, NST and others.

## Fire Valve with BSP threaded outlet

Fire valve with male inlet/outlet BSP thread.

- Material: brass
- Working pressure: PN16
- Available sizes: 1" - 1"1/2 - 1"1/2 x 2" - 2" - 2"1/2



## Fire Valve with STORZ outlet

Fire valve with STORZ outlet connection.

- Material: brass body, light alloy or brass Storz connection
- Working pressure: PN 16 or PN 25
- Available inlet sizes: 1" - 1"1/2 - 2" - 2"1/2 BSP
- Available outlet connection: Storz 25 - 45 - 52 - 65 - 75



## Fire Valve with DSP outlet

Fire valve with DSP outlet connection.

- Material: brass body, light alloy or brass DSP connection
- Available inlet sizes: 1"1/2 - 2"1/2 BSP
- Available outlet connection: DSP 40 - 65



## Fire Valve with BS 336 outlet

Fire valve with BS 336 outlet connection.

- Main material: brass
- Inlet size: 2"1/2 BSP
- Outlet connections: female instantaneous 2"1/2



# BRONZE HOSE VALVES AND FLANGES

These bronze fire valves are used to control the flow of water in a fire hydrant system of off-shore or on-shore marine equipment. The valve is screw-down type and open in a counterclockwise direction. The valves come with a 90° angle between inlet/outlet or streamlined flow version.



## Angle Globe Valve flanged type

Body material: gun metal  
Flanged inlet: DN 65 PN 16  
Threaded outlet: male 2"1/2 BSP



## Streamlined flow Globe Valve flanged type

Body material: gun metal  
Flanged inlet: DN 65 PN 16 - 2"1/2 ASA 150  
Threaded outlet: male 2"1/2 BSP



## Streamlined flow Globe Valve threaded type

Body material: gun metal  
Threaded inlet: female 2"1/2 BSP  
Threaded outlet: male 2"1/2 BSP



## Threaded Flange

Material: gun metal  
Flange: DN 65 PN 16 or PN 25; DN 80 PN 16, DN 100 PN 16 - ASA 150 size 2"1/2, 3", 4"  
Threaded outlet: male 2"1/2, 3", 4" BSP

# AUTOMATIC SPRINKLER SYSTEMS

The automatic sprinkler system is designed to detect the presence of a fire and extinguish it in the initial stage with water, or to keep the flames under control so that extinction can be completed by other means.

## FIREFLOW® Wet type Alarm Valve

FIREFLOW® model WET-1000 Wet Alarm Valve - CE approved

Features:

- Grooved end connections, sizes DN80 / DN100 / DN150.
- Ductile Iron valve body for low weight & high strength.
- Water pressure rating 175 PSI / 12 bar.
- Simple and easy access for clapper maintenance.
- All internal parts can be inspected without removing the valve from the system.
- External by-pass to avoid false alarm.
- Valve body painted inside & outside.
- Trim package completely pre-assembled.
- Drain valve.

Made in Italy by Bocciolone Antincendio and 100% factory tested.



## FIREFLOW® Retard Chamber

Retard chamber FIREFLOW® RTC-901 CE approved for WET-1000 Alarm Valve.

For variable pressure systems.

Ductile iron body, compliant to EN 1563. Grade 45S-400-15.

Connections: 1/2" Gas inlet, 3/4" Gas outlet. Capacity: 3,8 Lt / 1 gallon



## FIREFLOW® Dry type Alarm Valve

FIREFLOW® model DRY-1000 Dry Alarm Valve - CE approved

Features:

- Mechanical-type Dry Pipe Valve with a latch lever system.
- Grooved end connections, sizes DN80 / DN100 / DN150
- Water pressure rating 175PSI / 12Bar
- Air pressure rating (all sizes) 22PSI / 1,5Bar
- Ductile Iron body valve for low weight & high strength.
- Body valve painted inside & outside.
- Trim package completely pre-assembled.
- Upstream and downstream drain valves.

Made in Italy by Bocciolone Antincendio and 100% factory tested.





## FIREFLOW® Alarm Gong

Water rotor alarm gong FIREFLOW® WMA-902 - CE/UL/FM approved.  
With gong, motor and Y strainer. Painted red RAL 3000.  
Service pressure 12 bar / 175 Psi



## Air Pressure Maintenance Device

For dry pipe sprinkler systems.  
To maintain pneumatic pressure in variable pressure systems.



## Accelerator for Dry type Alarm Valve

Accelerator Model B1 - UL/FM/LPCB approved.  
The accelerator is used to speed up the operation of dry pipe valves in dry-type automatic sprinkler systems. With pressure gauge.



## Test and Drain device

Test and drain device for sprinkler system  
With ball valve with lockable handle and pressure gauge 0-25 bar.  
Orifice size: 1/2" - 3/4"



## UL/FM Inspector Test

Inspector test UL/FM approved  
Made of brass. 1 1/4 Grooved connections.  
Orifice size: 1/2" - 17/32"



## Alarm Switch

- Pressure Switch PS10 / PS40 series - CE/UL/FM approved.  
Models for rising or falling pressure.
- Vane Waterflow Detector, two switches - UL/FM/LPCB approved.  
For remote alarm signal. Threaded or U-bolted models for pipe sizes from 1" through 8"

## Upright Sprinklers

Upright Sprinkler 1/2" and 3/4" - CE/UL/FM approved.  
For upright installation in dry, wet or pre-action systems - Max. working pressure 12 bar. Standard or quick response. Temperature rating from 57°C to 141°C.  
Brass finish.



## Pendent Sprinklers

Pendent Sprinkler 1/2" and 3/4" - CE/UL/FM approved.  
For pendent installation in wet systems - Max. working pressure 12 bar. Standard or quick response. Temperature rating from 57°C to 141°C.  
Brass, white or chrome finish.



## Conventional Sprinklers

Conventional Sprinkler 1/2" - Standard Response - CE approved.  
For upright or pendent installation in wet systems - Max. working pressure 12 bar. Temperature rating from 57°C to 93°C.  
Brass finish.



## Sidewall Sprinklers

Sidewall Sprinkler 1/2" - Standard Response - UL approved.  
For horizontal installation in wet systems - Max. working pressure 12 bar. Temperature rating from 57°C to 93°C.  
Brass finish.



## Concealed Sprinklers

Concealed Sprinkler 1/2" - Quick Response - CE/LPCB approved.  
For installation in false ceilings for wet systems - Max. working pressure 12 bar.  
White finish.



## Open Nozzles

Window and Spray Nozzles 1/2"  
For deluge systems. K factors from 20 to 80 (metric)  
Inlet thread 1/2" GAS - Max. working pressure 12 bar.  
Brass finish.



## Flexible Sprinkler Connections



RF-200 Braided Flexible Hose.

REALFLEX® style RF-200 flexible sprinkler hoses are designed for midline connection between water supply pipeline and sprinkler heads, into commercial suspended ceilings with medium or heavy t-bars grids as described in ASTM C635 & C636 standards. FM approved.

Threaded 1" male inlet - Threaded 1/2" or 3/4" outlet for sprinkler connection - Maximum working pressure 12 bar - complete with fixing system.

## Sprinkler Head accessories



Two Piece Escutcheon.

Recessed two piece push fit rosette suitable for most 1/2" and 3/4" pendent sprinkler heads. Maximum adjustment depth -20mm.

Finish: Polished chrome, White

Sprinkler head guards

Baffle plates and sprinkler head guards with baffle plates.

For 1/2" and 3/4" pendent or upright sprinkler.

## Grooved Fittings and Couplings



Roll-grooving fittings and two-bolt couplings.

This innovative product line joins piping and other components into a single rugged yet flexible system. Ideal for a variety of applications such as plumbing, fire protection, HVAC, water supply systems - particularly in tight spaces such as subfloors, UFAD systems, crawlspaces, trenches, and tunnels.

Maintenance is as simple and flexible as installation. Every component in a system is easily replaceable and easily accessed, so that you can make repairs without resorting to a total shut-down.

Material: Nodular cast iron.

Finish: red painted, galvanized

Gasket: EPDM grade E

Diameters: from 1" to 12"

Maximum working pressure: 2,1 MPa - 21 bar.

Available products: rigid and flexible couplings, 90° and 45° elbows, TEE and cross, concentric reduces, mechanical TEE, sprinkler TEE, grooved flanges, grooved caps.

## Omega type Seismic Joints



Seismic Joints are intermediary connection components used to absorb the unexpected random dynamic loads that may be originate from an earthquake and they are also used to remove the stress in the fire protection pipeline, by moving in six possible directions together with the building, in order to ensure the pipeline continue efficiency without any service interruption.

With grooved connections.

FM approved.

Pipe movement allowed +/- 100 mm (tot. 200 mm) along the orthogonal axes X-Y-Z.

AISI 304 stainless steel braided hose. Maximum working pressure 1,7 MPa - 17 bar.

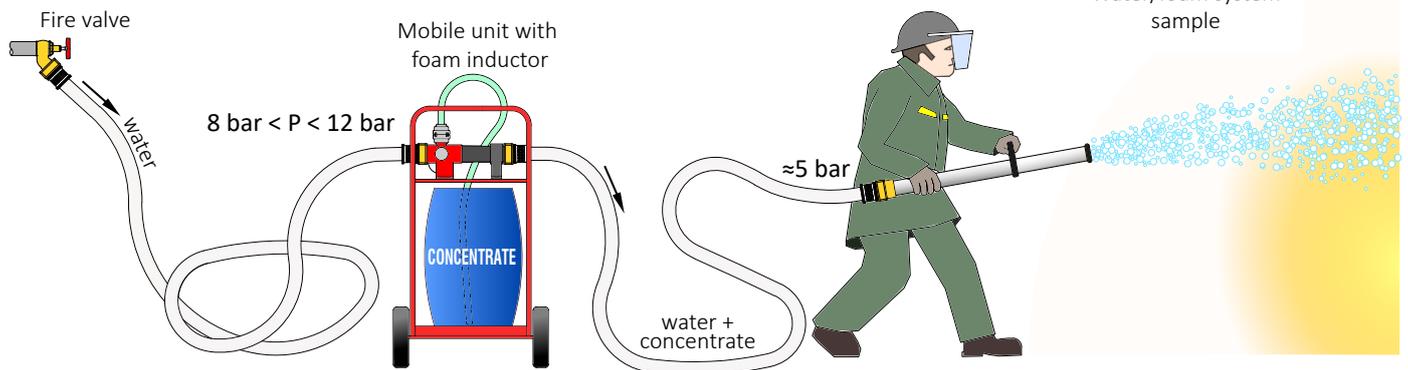
Diameters: from 1" to 8"

# FOAM SYSTEMS

Water-foam systems are the recommended fire-fighting appliance to protect areas where large quantities of highly flammable liquid (like hydrocarbons) are stocked.



Water/foam system sample



## Foam Nozzles

- Foam nozzle compliant to EN 16712-3.  
Steel body, 2" GAS ISO 228 threaded inlet.  
Available models:
- Low and Medium foam expansion
  - Flow rate @ 5 bar: 200 l/min - 400 l/min
  - Standard connections: STORZ, DSP, BS, NH, GOST, UNI, Barcelona.



## Foam Inductors

- Foam inductor with pick-up hose compliant to EN 16712-1 and EN 16712-2.  
Body material: light alloy.  
Water connections: 2" GAS ISO 228.  
Adjustable foam mixing range from 1% to 6%.  
Available models:
- Flow rate @ 5 bar: 200 l/min - 400 l/min
  - Standard connections: STORZ, DSP, BS, NH, GOST, UNI, Barcelona.



## Trolley for Foam Unit

- Foam unit on trolley.  
Made of carbon steel red RAL 3000 coated.  
Composed of:
- two wheels
  - shelf for foam inductor
  - metal box for accessory
  - support base for foam concentrate tank, with locking chain
- Suitable up to 100 kg foam concentrate tank.





# FIRE SERVICE CABINETS

A wide range of cabinets for fire and safety equipment is available in our product catalogue, with possibility to customize material, dimensions, shape, colour and logo in case of specific request.

Our research and development department is available to evaluate customer's requirements.

Our manufacturing department is equipped with laser cutting center, bending machines, punching machines, panel bender, welding station, with high level of automation to reach high quality products and manufacturing flexibility.



## Steel Cabinet for Fire Fighting Equipment

Double door cabinet with three adjustable shelves and door lock with embedded box to hold emergency key.

Provided with side preformed holes for connection to water mains.

**Foam inductor can be installed inside the cabinet.**

Material: carbon steel, red RAL3000 polyester powder coating.

Dimensions: H 1600 x W 700 x D 350 mm



## Multiple Cabinet for Service Equipment

Cabinet with shelf and door lock with embedded box to hold emergency key.

Possibility to store hoses, branchpipes and spanners for hydrants. The number of hoses depends on length and diameter.

Material: carbon steel, red RAL3000 polyester powder coating.

Dimensions: H 800 x W 590 x D 460 mm

Equipped with H 550 mm steel support upon request.

# CAST IRON VALVES

## Flat Body Gate Valve

Resilient seated gate valve.

Application:

it can be installed on pipelines that carry fresh and hot water (max. 70°C) and other non-aggressive fluid.

Supplied with the added feature of a position indicator giving a visual indication of the valve position (open/close), especially required by Italian standard UNI 11443 for fire-protection piping systems.

It is also available without indicator, for other general hydraulic installation.

Pressure drop is minimal since when wedge is in opening position, it returns in the bonnet.

Flanged PN16 according to EN1092-2; flat body according to EN558-1.

Body bonnet and wedge made of ductile iron; NBR fully vulcanised wedge.

Epoxy coating minimum 250 microns.

Available diameters: from DN 50 to DN 300.



## Swing Check Valve

Check valve PN 16 flanged.

For horizontal or vertical installation with upward flow.

Flanged PN16 according to EN1092-2.

Body made of ductile iron; NBR fully vulcanised wedge.

Epoxy coating minimum 250 microns.

Available diameters: from DN 50 to DN 300.



## Y type Strainer

Y type strainer PN 16 flanged.

Flanged PN16 according to EN1092-2.

Body made of ductile iron; screen strainer made of stainless steel.

Epoxy coating minimum 250 microns.

Available diameters: from DN 50 to DN 300.





## Grooved Butterfly Valve

Grooved Butterfly valve - UL/FM approved.  
 Material: Ductile iron A536 65-45-12  
 Working pressure 21 bar / 300 psi  
 With supervisory switch  
 Diameters: From 2"1/2 to 8"



## OS&Y Gate Valve

Resilient Seated OS&Y gate valve - UL/FM approved.  
 Flange: PN 16, ANSI 150  
 Material: nodular cast iron body - EPDM resilient wedge  
 Diameters: from DN 50 to DN 300 (PN16) - from 2"1/2 to 12" (ANSI 150)



## NSR Gate Valve

Resilient Seated NRS gate valve - UL/FM approved.  
 Flange: PN 16, ANSI 150  
 Material: nodular cast iron body - EPDM resilient wedge  
 Diameters: from DN 65 to DN 300 (PN16) - from 2"1/2 to 12" (ANSI 150)



## Post Indicators

Post indicator to be combined with NRS gate valve - UL/FM approved.  
 Two different models:  
 - WPI Wall Post Indicator, to manually operate through the wall a NRS gate valve that is not accessible, include a plastic window with an open / close indicator that will confirm the NRS status.  
 - VPI Vertical Post Indicator, to manually operate an underground NRS gate valve, with adjustable length to accommodate different bury depths, include a plastic window with an open / close indicator that will confirm the NRS status.  
 Material: Nodular cast iron body



## Swing Check Valve

PN16 Swing Check Valve - UL/FM approved.  
 Flanged PN 16.  
 Material: ductile iron A536 65-45-12  
 Working pressure: 21 bar / 300 psi  
 For horizontal or vertical installation with upward flow.  
 Diameters: from DN 50 (2") to DN 300 (12")

# FLOWMETER FOR TESTING

**Fireflow WFT** is a precision electronic device designed by Boccione Antincendio to measure the pressure and the water flow of a hose system; it is optimized to test that performance of a firefighting installation comply with project's calculation.

User interface through Wi-Fi connection to a smartphone or tablet or PC device.

The **Fireflow WFT** device consists of a set of venturi pipes and electronic appliance with pressure sensors which detect the pressure drop inside the pipe. The flow is computed by measuring this differential pressure. The device is supplied with connections according to many National Standards (e.g. STORZ, BS, AFNOR, UNI) for hydrants and nozzles.

**Features:**

- Wi-Fi technology compatible with iOS, Android, Windows systems and with the latest generation PC, Tablet and Smartphone.
- User friendly interface with three available languages.
- The interface allows to input and storage information data, parameters and notes.
- The wireless connection allows users the remote reading from the measurement site.
- Excellent accuracy (1 l / min at 50% of the full scale for DN 25 and DN 45 and 2 l / min for DN 70).
- Wide measuring range (up to 220 l / min for DN 25, 500 l / min for DN 45 and 1800 for DN 70).
- Pressure measurement up to 12 bars.
- Rechargeable battery via USB cable.
- The sensor part is made by a single unit system that guarantees a good seal and water resistance.



## Fireflow® WFT Flowmeter

Includes:

- FIREFLOW WFT digital detector with connection pipes and recharge battery connection
- 1" venturi tube
- 2" venturi tube
- 2"1/2 venturi tube
- charge battery USB cable
- plastic suitcase







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