

# EMME ANTINCENDIO

ITALIAN STYLE FOR A SAFER WORLD



Fire Section 2022



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## BOXES IN POLYPROPYLENE AND METAL

All our boxes are made following the individual regulations that regulate the product where present. The metal boxes are made of RAL 3000 red painted steel based on corrosion-resistant polyester resins, equipped with lateral ventilation slots and sealable polypropylene lock. The boxes and frames with open door predisposed for breakable and/or unbreakable plate are always supplied without plate. The polypropylene boxes are molded with a resistant injection even in the most sensitive points. Some specific models have obtained certification for water/dust and compression resistance.

Uni 45 box with door for Safe Window plate



Code	Dimensions	Color
0909A	375X200X600H	Red
0886/0886SW	290x500H	

Uni 45 box with door for Safe Window plate



Code	Dimensions	Color
0910A	375X200X600H	Red
0886/0886SW	290x500H	

Uni 45 box with door for Safe Window plate- quick change



Code	Dimensions	Color
0909ACR	375X200X600H	Red
0886/0886SW	290x500H	

Uni 45 box for outdoor/indoor with swinghandle



Metal sheet excluded

Code	Dimensions	Color
1033-2	370X515X195	Red
2587/2587SW	180x310H	

Box for outdoor/indoor designed for quick change to replace the box without replacing of the cock.

BOXES IN POLYPROPYLENE AND METAL

Uni 45 box for outdoor/indoor with rounded hedges

Uni 45 box with full door

Plate excluded



Aluminum plate holder frame

Code	Dimensions	Color
1570	370X160X605H	Red
9466/9466SW	302X540H	



Code	0917A
Color	Red
Dimensions	375X200X600H

Uni 45 box with full door and windowed door

Uni 45 box with full door and rounded hedges



Code	Dimensions	Color
1149A	375X600X200H	Red
2155	217X120H	



Code	9250
Color	Red
Dimensions	420x220x532H



## BOXES IN POLYPROPYLENE AND METAL

Uni 45 sheet metal frame with door for Safe Window plate



Code	Dimensions	Color
1365-2	470X40X650	Red
0886/0886SW	290X500H	

Uni 45 polypropylene frame with door for Safe Window Plate



Code	Dimensions	Color
0998-2	490X610H	Red
0884/0884SW	330X405H	

Uni 70 box with full door



Sheet metal box designed for underground hydrant system



Code	0919A
Color	Red
Dimensions	500x250x680H

Code	2292
Color	Red
Dimensions	500x260x800H

**BOXES IN POLYPROPYLENE AND METAL**

Uni 70 box with door for Safe Window plate

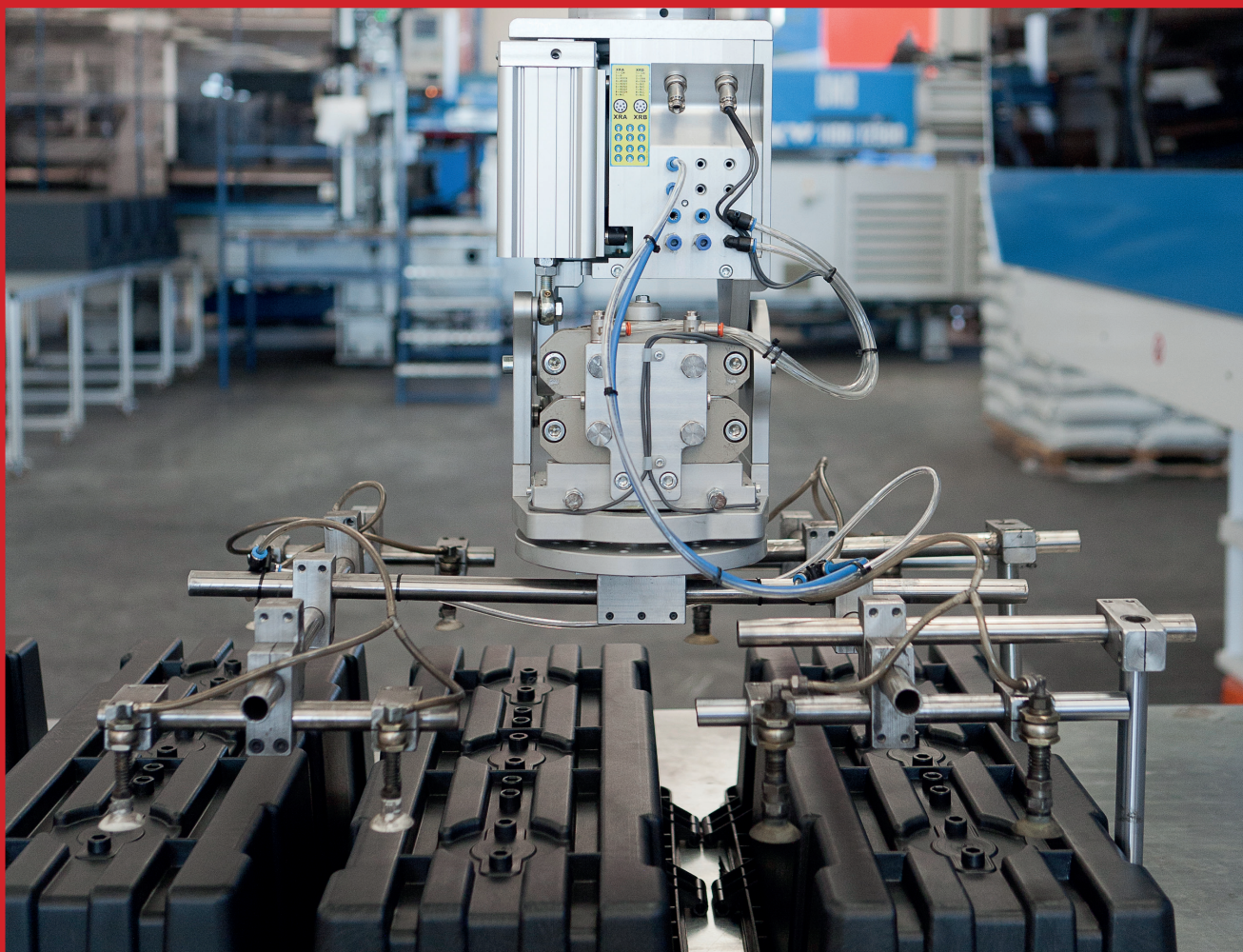


Code	Dimensions	Color
0911A	500X255X680H	Red
9464/9464SW	400X570H	

Uni 70 with box for Safe Window plate



Code	Dimensions	Color
0912A	500X255X680H	Inox
9464/9464SW	400X570H	





## EXTINGUISHER BOXES

Extinguisher box with door for Safe Windows plate



Code	Dimensions	Type	Color
0921A	325x270x600H	6 Kg/L	Red
9460	220x520H	Frangible	
0923A	325x270x800H	5/9/12 kg	Red
9461	220x720H	Frangible	

Extinguisher box with door for Safe Windows plate



Code	Dimensions	Type	Color
0922A	325x270x600H	6 Kg/L	Inox
9460	220x520H	Frangible	
0924A	325x270x800H	5/9/12 Kg	Inox
9461	220x720H	Frangible	

POMPIERISTICO

Extinguisher box with door for Safe Windows plate



Extinguisher box with door for Safe Windows plate (rounded hedges)



slide included

Code	Dimensions	Type	Color
0925A	325X270X600H	6 Kg/L	Red
0927A	325X270X800H	5/9/12 kg	Red
9194	179x179	Trasparent	

Code	Dimensions	Type	Color
9251	340x220x640H	Single extinguisher 6 Kg/L	Red

EXTINGUISHER BOXES

Extinguisher box with diam. 160mm in high-stren-  
ght polypropylene with central inspection slide.



IP59K

Compression strenght up to 1200 Kg Ideal on  
vehicles

Codice	Dimensioni	Tipo
2282	287x220x600H	6 Kg/L

Extinguisher box with diam. 160mm in hi-  
gh-strenght polypropylene with transparent  
lid.



anti-panic handle

Code	Dimensions	Type
9373	300x210x640H	6Kg/L

Extinguisher box in red/black polypropylene with  
central inspection slide.



Water-proof

Code	Dimensions	Type
1668	335X240X620H	6 Kg/L
1669	335X240X865H	5/9/12 kg

Extinguisher box in hight-strenght polypropyle-  
ne with inspection slide.



IP59K

Code	Dimensions	Type
1668-1	616x735Hx270	6Kg/L
For 2 extinguishers 6 kg powder/foam		



## BOXES IN POLYPROPYLENE AND METAL

Key box in metal complete with plate



Code	0949-1
Color	Red
Dimensions	125x40x120mm
Plate code (included)	0883

Key box in polypropylene complete with plate



Code	0949
Color	Red
Dimensions	119x45x114H
Plate code (included)	0883

G.A.M. box for outdoor Red Ral 3000 with aluminum frame



Code	0940A
Color	Red
Dimensions	600X300X460H
Plate code (excluded)	1992/1992SW dim.732x440
Suitable for motor pump groups 2" - 2" 1/2	

G.A.M. box for outdoor Red Ral 3000 with aluminum frame



Code	0943A
Color	Red
Dimensions	800x400x500H
Plate code (excluded)	1993/1993SW dim. 532x400
Suitable for motor pump groups 5" - 6"	

**BOX STANDS****Stand for uni 45/70 box**

Code	0950A
Color	Red
Pipe diameter	80mm
Dimensions	370x175x750H

**Stand for uni 45/70 box**

Code	0953A
Color	Inox
Pipe diameter	80mm
Dimensions	370x175x750H

**Stand for box with ground grafting H 1000**

Code	0950A-2
Color	Red
Pipe diameter	80mm
Dimensions	370x175x1000H





## SAFE WINDOWS PLATES



SIZE	CODE	BREAKABLE	UNBREAKABLE/ SMOKED
115X115H	0883	X	
179X179H	9194	X	
180X310H	2587	X	
220x520H	9460	X	
217x120H	2155	X	
220x720H	9461	X	
290x500H	0886	X	X
302x540H	9466		X
305x515H	0901		X
318x800H	3051	X	
320x540H	1569	X	X
323x530H	0971		X
328x535H	0902		X
330x405H	0884	X	X
336X515	0903	X	
340x600H	0882		X
340x640H	2593	X	
347x535H	0888	X	X
358x800H	9462		X
400x570H	9464	X	X
420x570H	0887	X	X
420x648H	0906		X
425x575H	0907		X
475x730H	9463		X
532x400H	1992		X
614x614H	0896		X
640x590H	0895		X
684x684H	0897	X	X
732x440H	1993		X
745x361H	0892		X
1000x1000H	0591	X	X

### SAFE WINDOW PLATE CUTTER WITH 2 BLADES

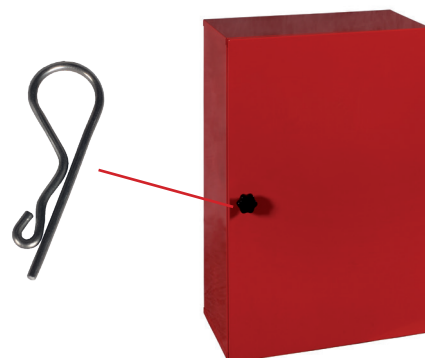


**Code 0880-1**

### SPARE BLADES FOR CUTTER

**Code 0880-2**

### Locking pin for metal boxes



**Code 0200**

Package

10 pz

**N.B.** To order unbreakable/smoked plates insert "SW" after the article code. The plates marked with an "X" are always available in stock.



FIRE-FIGHTING HOSES

HOSE DN 45 RED



Code	Lenght	Fitting
0617A	MT 20	UNI 804
0618A	MT 25	UNI 804
0619A	MT 30	UNI 804

Hose made in compliance with EN 14540. With high-strength EPDM internal coating and high-tenacity red external coating. Complete with UNI 804 brass fittings, binding in compliance with UNI 7422 standards and rubber binding cover sleeves. Ideal for long-lasting and/or drag use. .





## FIRE-FIGHTING REEL HOSES IN COMPLIANCE WITH THE UNI EN 671-

The fire hose reel is designed for internal recessed or wall installation. The connection of the ball valve is female 1" Gas cylindrical ISO 228. The box is equipped with two pre-holes, one on the right side and one on the left side. Preferably, the ball valve is positioned on the left side by forcing the box frontally. The maximum working pressure is 12 bar. In the event of outdoor installations, (check according to applicable regulations), it is necessary to check that the box is protected from atmospheric agents and that the water supply piping is suitably insulated if exposed to frost. For these applications we recommend, on request, the installation of stainless steel boxes.

**PAY ATTENTION:** The UNI 10779 standard provides that a valve with a pressure gauge must be installed near the last hose reel of each open branch to measure the residual pressure. The valve with pressure gauge code 2229-3 can be requested on the hose reels in the catalog. The catalog contains the main spare parts for the hose reels. For other types or components, request information from our sales department.

### REEL HOSE DN 25 UNI EN 671-1 CE



### REEL HOSE DN 25 UNI EN 671-1 CE



Code	Lenght	Dimensions
1971-1	MT 20	H650X700X205
0972A-1	MT 25	H650X700X205
0973A-1	MT 30	H650X700X230

Code	Lenght	Dimensions
0983A-1	MT 20	H650X700X200
0984A-1	MT 25	H650X700X200
0985A-1	MT 30	H650X700X250

CE marked indoor/outdoor wall-mounted swiveling hose reel consisting of a box with rounded edges and carbon steel coil painted in RAL 3000 red polyester, glass holder frame in anodized aluminum (complete with smoked sheet). Semi-rigid pipe according to UNI EN 694 connected with a rotating lance nozzle equivalent diam. 8 - K 28. Complete with 1" gas shut-off ball valve in brass and brass dispenser.

CE marked indoor/outdoor wall-mounted swiveling hose reel consisting of a box with rounded edges and carbon steel coil painted in RAL 3000 red polyester, with full door. Semi-rigid pipe according to UNI EN 694 connected with a rotating lance nozzle equivalent diam. 8 - K 28. Complete with 1" gas shut-off ball valve in brass and brass dispenser.

## FIRE-FIGHTING REELS ACCORDING TO UNI EN 671-1 STANDARDS

### DA 1" SHUT-OFF VALVE WITH MEASURING MANOMETER PRESSURE



**ATTENTION:** The UNI 10779 standard provides that on the hydrant mains a valve with a manometer measuring the residual pressure have to be installed near the last hose reel in open branch.

### SECTION OF PIPE FOR CONNECTION TO THE SHUT-OFF VALVE



Code	Specifications
2229	Assembled cock 1"+manometer+connection pipe hose reel wheel
2229-1	Hydrant cock 1" gas F x 1" gas M with manometer connection
2229-2	Spare pressure gauge 0-16 Bar with 1/4" attack
2229-3	May be required already mounted on the hose reels series using the additional code
Supplied with 1" cock for manometer connection, 0-16 bar measuring manometer, 70 cm section for connecting to the hose reel wheel	

Code	1279
Color	White
Length	1,1 mt
Fitting	DN 25
for connection to the shut-off valve	

### WHITE SEMI-RIGID PIPING UNI EN 694



### WHITE SEMI-RIGID PIPING UNI EN 694



N.B. tubazioni con  
altra raccorderia o  
lunghezza a richiesta.

### SHUT-OFF VALVE FOR CONNECTING THE HOSE REEL TO THE HYDRIC MAIN



Code	Length
1124	20MT
1745	25 MT
1951	30 MT
Connected for hose reel box CE present on catalog. Male fitting DN 25 UNI 805 and junction.	

Code	0635
Color	White
Length	On request
Fitting	DN 25

Code	Fitting
2177-1	M1" x F 1"

### THREE-EFFECT LEVER LANCE TO SPARE HOSE REELS CE UNI EN 671 STANDARD



Code	0601
Pass	M34x3
Nozzle diameter	8

### ROTATING LANCE FOR REPLACEMENT OF THE HOSE REEL ACCORDING TO UNI EN 671 STANDARD



Code	0601-2
Shape holder	1" for DN 25 pipe
Equivalent diameter	8

The maintenance of the hoses must be carried out in the Italian territory, in accordance with UNI EN 671-3. At least once a year the piping must be unrolled and subjected to network pressure. Every 5 years the pipes must be subjected to maximum operating pressure.

## HYDRANT SYSTEM CE UNI 45 - EN 671-2

### HYDRANT SYSTEM EN 671-2 WITH FRAME WITH PLATE



Code	Lenght	Lance	Color
0955	MT 20	Nozzle ø 12	Red
1001	MT 25	Nozzle ø 12	Red
1003	MT 30	Nozzle ø 12	Red
Box dimensions (LxHxP) 375x200x600 mm			

Box complete with unbreakable plate equipped with DN 45 PN 16-ISO 7 tap, UNI EN 14540 certified Ø 45mm pipe connected UNI 804 with binding in accordance with UNI 7422 with binding cover sleeves, hose protection saddle, UNI 45 lever lance.

### HYDRANT SYSTEM EN 671-2 WITH FRAME WITH PLATE



Code	Lenght	Lance	Color
0957	MT 20	Nozzle ø 12	Inox
1005	MT 25	Nozzle ø 12	Inox
1007	MT 30	Nozzle ø 12	Inox
Box dimensions (LxHxP) 375x200x600 mm			

Box complete with unbreakable plate equipped with DN 45 PN 16-ISO 7 tap, UNI EN 14540 certified Ø 45mm pipe connected UNI 804 with binding in accordance with UNI 7422 with binding cover sleeves, hose protection saddle, UNI 45 lever lance.

### HYDRANT SYSTEM EN-671-2 WITH FULL DOOR



Code	Lenght	Lance	Color
0963	MT 20	Nozzle ø 12	Red
1017	MT 25	Nozzle ø 12	Red
1019	MT 30	Nozzle ø 12	Red
Box dimensions (LxHxP) 375x200x600 mm			

Box complete with unbreakable plate equipped with DN 45 PN 16-ISO 7 tap, UNI EN 14540 certified Ø 45mm pipe connected UNI 804 with binding in accordance with UNI 7422 with binding cover sleeves, hose protection saddle, UNI 45 lever lance.

### HYDRANT SYSTEM EN 671-2 WITH FRAME WITH PLATE



Code	Lenght	Lance	Color
1571	MT 20	Nozzle ø 12	Red
1572	MT 25	Nozzle ø 12	Red
1573	MT 30	Nozzle ø 12	Red
Box dimensions (LxHxP) 370x160x605 mm			

Box complete with unbreakable plate equipped with DN 45 PN 16-ISO 7 tap, UNI EN 14540 certified Ø 45mm pipe connected UNI 804 with binding in accordance with UNI 7422 with binding cover sleeves, hose protection saddle, UNI 45 lever lance.



## FIRE-FIGHTING HOSES

All hoses are made with high-strength circular polyester fabric with waterproof interior, with binding compliant with UNI 7422 and equipped with a rubber binding cover sleeves. The standard fittings used for production are made of brass according to the UNI 804 standard in force for the Italian market, however other types of fittings valid for other reference standards are also available on request, STORZ for German-speaking countries, AFNOR for French-speaking countries and BSS for Anglo-Saxon speaking countries

### HOSE DN 45 WHITE

Code	Lenght	Fitting
0614	MT 20	UNI 804
0615	MT 25	UNI 804
0616	MT 30	UNI 804

Hose made in compliance with EN 14540. Working pressure 15 bar, Burst pressure 45 bar. Supplied complete with UNI 804 brass fittings with binding in accordance with UNI 7422 and binding cover sleeves. Valid as CE replacement. Complete with maintenance tag.



### HOSE DN 70 WHITE

Code	Lenght	Fitting
0627	MT 20	UNI 804
0628	MT 25	UNI 804
0623	MT 30	UNI 804

Hose made in compliance with EN 14540. Working pressure 15 bar, Burst pressure 45 bar. Supplied complete with UNI 804 brass fittings with binding in accordance with UNI 7422 and binding cover sleeves. Valid as CE replacement. Complete with maintenance and testing tag.



## HYDRANT SYSTEM CE UNI 45 - EN 671-2

### HYDRANT SYSTEM WITH DRY TAP WITH ANTI-FREEZE DISCHARGE



Code	Lenght	Lance
2288-1	MT 20	Nozzle ø 16
2288-2	MT 25	Nozzle ø 16
2288-3	MT 30	Nozzle ø 16

### ACCESSORIES AND SPARE

Code	Specifications
2288	Empty composable box
2289	Cock column H 1200 f.t.

The system was created for the installation of DN45 wet hydrants for outdoor installation where it is possible to find damage due to frost. The tap and the closing pad, positioned in the underground part equipped with antifreeze drain, thus spaced together create a dry column avoiding damage due to frost. Available in the complete system with pedestal and hydrant kit box for new installations or only the dry tap for replacements or adaptations of systems.

## HYDRANT KIT BOXES

### UNI 10779 ABOVE GROUND HYDRANT KIT BOXES



### UNI 10779 ABOVE GROUND HYDRANT KIT BOXES



Code	Lenght	Lance	Color
0224	MT 20	Nozzle ø 16	Red
0225	MT 25	Nozzle ø 16	Red
0226	MT 30	Nozzle ø 16	Red

Box dimensions (LxPxH) 500X255X680 mm

Single kit with minimum equipment as required by UNI 10779. Outdoor box in RAL 3000 red painted plate with unbreakable plate complete with three-effect aluminum lance, DN 70 hose in accordance with UNI EN 9487, operating key for above-ground hydrant and hose protective saddle.

Code	Lenght	Lance	Color
0230	MT 20	Nozzle ø 16	Inox
0231	MT 25	Nozzle ø 16	Inox
0232	MT 30	Nozzle ø 16	Inox

Box dimensions (LxPxH) 500X255X680mm

Single kit with minimum equipment as required by UNI 10779. Stainless steel outdoor box with unbreakable plate complete with three-effect aluminum lance, DN 70 hose according to UNI EN 9487, operating key for above-ground hydrant and protective saddle.

## HYDRANT KIT BOXES

### UNI 10779 ABOVE GROUND HYDRANT SYSTEM



Code	Lenght	Lance	Color
0233	MT 20	Nozzle ø 16	Red
0234	MT 25	Nozzle ø 16	Red
0235	MT 30	Nozzle ø 16	Red
Box dimensions (LxHxP) 500x255x680 mm			

Single kit with minimum equipment required by UNI 10779 for underground hydrant with telescopic operating key. Outdoor cistern in RAL 3000 red painted sheet with unbreakable sheet complete with three-effect aluminum lance, DN 70 hose in accordance with UNI EN 9487, wrench

### UNI 10779 UNDERGROUND HYDRANT SYSTEM



Code	Lenght	Lance	Color
0233-2	MT 20	Nozzle ø 16	Rosso
0234-2	MT 25	Nozzle ø 16	Rosso
0235-2	MT 30	Nozzle ø 16	Rosso

Box dimensions 500x800Hx300mm

Single kit with minimum equipment required by UNI 10779 for underground hydrant with telescopic operating key. Outdoor cistern in RAL 3000 red painted sheet with unbreakable sheet complete with three-effect aluminum lance, DN 70 hose in accordance with UNI EN 9487, suitable to contain the swam neck which is supplied apart.

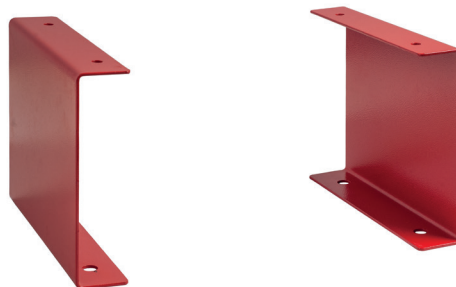
### UNI 10779 - DOUBLE ABOVE GROUND HYDRANT SYSTEM



Code	Lenght	Lance	Color
0224-2	MT 20	Nozzle ø 16	Red
0225-2	MT 25	Nozzle ø 16	Red
0226-2	MT 30	Ugello ø 16	Red
Box dimensions (LxHxP) 500x800x300 mm			

Double equipment with double dotation for above ground hydrant. Outdoor cistern with RAL 3000 red painted sheet with door dotated of unbreakable sheet, nr 2 DN70 hoses required by UNI EN 9487, wrench, nr 2 three-effect aluminum lance, wrench and nr 2 protective saddle.

### SUPPORTS FOR METAL BOXES



Code	Specifications
2291-1	Nr 1 support



## HYDRANTS - VVF ATTACKS AND ACCESSO-

The external networks are the second-level of protection after the internal protection devices, they are used by trained fire-fighting teams and allow to draw water from the external network of the building. They must guarantee high-performance and is very important to choose the correct product to be installed and to periodically check the functionality. We report in the catalog the main products compliant with current regulations.



Remember that the Italian standard UNI 10779 provides that a service box with lance, hose and key must be installed near each above ground hydrant and a warning sign must be placed.

### TYPE "A" ABOVE GROUND HYDRANT WITHOUT BREAKING LINE ACCORDING TO UNI 14834

Code	Dn	Depth	Outlets
0781-1A	80	500	2 x 70
0782-1A	80	700	2 x 70
0783-1A	80	960	2 x 70
0787-1A	100	500	2 x 70
0788-1A	100	700	2 x 70
0789-1A	100	960	2 x 70
1542-1A	100	500	2 x 70 + 1 x 100
1542-3A	100	700	2 x 70 + 1 x 100
1542-5A	100	960	2 x 70 + 1 x 100

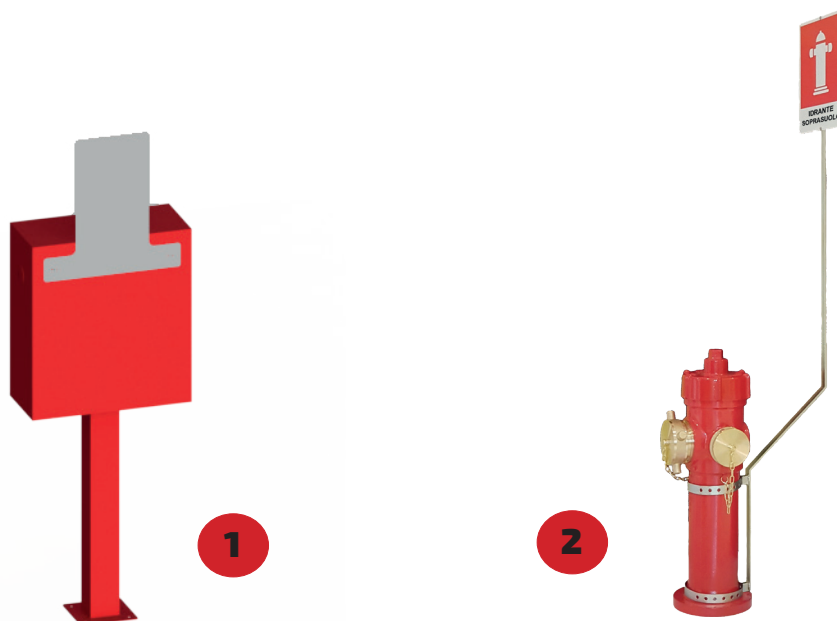
Hydrant made according to standard EN 14384 type "A" with simple dry column equipped with vandal-proof opening, maneuvers can only be carried out using the appropriate key. Maintainable with opening from above without any excavation, special connection screws without nuts. Flanges and outlets sizing as provided by EN 14384. Made of spheroidal cast iron according to UNI EN 1503-3 for pressures up to 16 bar. Equipped with anti-freeze drain that allows the hydrant to be emptied when the valve is completely closed. EN 1092-2 PN16 drilled and sized inlet flange. All hydrants are supplied with brass caps.

### TYPE "C" ABOVE GROUND HYDRANT WITH BREAKING LINE ACCORDING TO UNI 14834

Code	Dn	Depth	Outlets
0784-1A	80	500	2 x 70
0785-1A	80	700	2 x 70
0786-2A	80	960	2 x 70
0790-1A	100	500	2 x 70
0791-1A	100	700	2 x 70
0792-1A	100	960	2 x 70
1613-1A	100	500	2 x 70 + 1 x 100
1613-3A	100	700	2 x 70 + 1 x 100
1613-5A	100	960	2 x 70 + 1 x 100

Hydrant made according to standard EN 14384 type "C" with simple dry column equipped with vandal-proof opening, maneuvers can only be carried out using the appropriate key. The device with predetermined break prevents water from escaping in case of a collision by keeping the valve closed. Maintainable with opening from above without any excavation, special connection screws without nuts. Flanges and outlet sizing as provided by EN 14384. Made of ductile iron according to UNI EN 1503-3 for pressures up to 16 bar. Equipped with anti-freeze drain that allows the hydrant to be emptied when the valve is completely closed. EN 1092-2 PN16 drilled and sized inlet flange. All hydrants are supplied with brass caps.



**IDRANTI - ATTACCHI VVF E ACCESSORI**


N	Code	Specification
1	2290	Sign holder to be mounted on DN45 boxes (width between 35 and 45 cm)
1	2290-1	Sign holder to be mounted on DN70 boxes (width equal to or greater than 50 cm)
2	2290-2	Pole for signboard to be mounted on top column

N.B. the signboard is always excluded, the pole for the tower column is combined with an aluminum sign 250x310h mm



Code

CAR1005

Dimen-  
sions

120X145



Code

CAR1013

Dimensions

230X310



Code

CAR1015

Dimensions

230x310

## HYDRANTS- VVF ATTACKS AND ACCESSO-

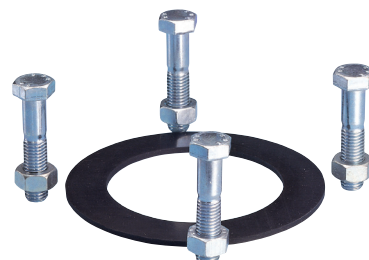
### FLAT OR THREADED FLANGES



### UNI RUBBER SEALS FOR FITTINGS



### BOLTS AND NUTS IN GALVANIZED STEEL



Code	Description	Code	Description	Code	Nr. nuts	Dn	For flanges DN
0820	DN 80 PN 16 threaded	0814	DN 25 UNI 804	0811	4	M16	65
0821	DN 100 PN 16 threaded	0816	DN 45 UNI 804	0812	8	M16	80
		1038	DN 70 UNI 804	0813	8	M16	100
		1039	DN 80 UNI 804				

### UNDERGROUND HYDRANT



Underground hydrant in cast iron compliant with EN 14339 for operating pressures up to 16 bar. Flanges sized EN 1092-2 PN 16. Equipped with anti-freeze drain which allows complete drainage when the valve is completely closed. Height of the flange at the operating cap 450 mm. Opening and closing by using the operating key at the square cap.

Fig.	Code	Description	Dimensions
1	0798	DN 80 - bayonet outlet DN 70	H470xL307
2	0795	DN 80 - brass outlet UNI 70	H470xL307

### SWAM NECK AT ONE OUTLET



Swam neck for underground hydrant UNI EN 14339. Column in steel and brass.

Code	Description	Height	Type
0799	UNI 45 F outlet UNI 45 M	630	Adjustable outlets

### CAST IRON FLANGED ELBOW



### ROAD MANHOLE PAINTED BLACK IN CAST IRON FOR UNDERGROUND HYDRANTS



Code	DN	Dimensions	Code	Description	Lid	Upper base	Lower base
0834	80	L165xH275	1244	For underground hydrants 65/80	340x240	370x270	420x320

Foot elbow for hydrants flanged according to UNI EN 1092-2 PN 16, 90 ° elbow in spheroidal cast iron with support foot.

Manhole covers for underground hydrants in cast iron with lid. Drive over EN 124: 2015 class C250.



## HYDRANTS- VVF ATTACKS AND ACCESSO-

### MANEUVER KEYS



1



2



3



4



5

Fig.	Code	Type	Material	Lenght
1	0775	For underground hydrants with square keys and shutters	Cast iron and steel	Closed: 650mm Max:1100 mm
2	0775-1	Telescopic - multipurpose underground, above ground and manhole covers	Cast iron and steel	L max 1100 mm
3	0777	For fittings 45/70 type A	Steel	265 mm
4	0777-2	For fittings DN 25/45/70 type 1 UNI 814	Steel	280mm

### MALE THREADED CAP FOR FITTING WITH GASKET AND CHAIN



#### Code

Z0830  
0831  
1537

### FEMALE TAP WITH GASKET AND CHAIN



#### Codice

0827  
0828

### FITTING COMPLETE IN BRASS 3PZ. IN ACCORDANCE WITH UNI 804



#### Tipo

UNI 25  
UNI 45  
UNI 70

### METAL HANDWHEEL



### PROTECTIVE SADDLE IN POLYPROPYLENE 45/70



### BRASS HYDRANT COCK



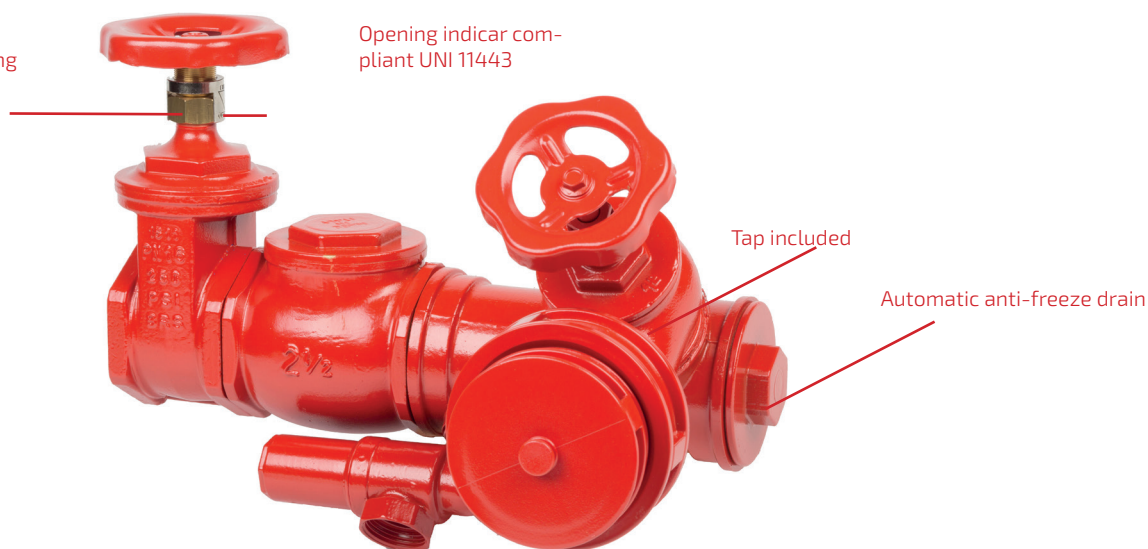
Code	Cock	Fore	Code	1060-1	Code	0641	Attack
0642A	UNI 45	7x7 mm			0641A	1" 1/2 PN 16 ISO7	UNI 45
0643	UNI 70	10x10 mm			0639	2" PN16	UNI 70
					0640	2" 1/2 PN 16	UNI 70

## DELIVERY GROUPS FOR AUTOPUMP

### UNI 10779 DELIVERY AUTOPUMP UNITS

Shutter with opening indicator

Opening indicar compliant UNI 11443



POMPIERISTICO

According to the Italian standard UNI 10779, the choice of this device is dictated by the level of risk, based on the level of risk a specific group configuration is envisaged. Our catalog shows only the configurations required by current regulations, however further configurations are available on request. The groups are normally supplied in a horizontal version with water flow from right to left.

The current legislation also does not provide for the installation of firepump units in line and even in the event of replacement, it must be specifically requested and authorized by the customer for the replacement. However, they are available upon specific request.

Risk level	Dimension
Without external protection	At least one attack DN 70
With external protection sized for 600-1200 lt/min	2 attacks DN 70 on pipe line at least DN 80 (3")
With external protection sized for 1800 lt/min	3 attacks DN 70 on pipe line at least DN 100 (4")

Code	Dn	Attacks	Measures
0837A	2" 1/2	1x70	365x250
0840	3"	2x70	480x250
0842	4"	2x70	525x270
0842-1	4"	3x70	650x270

### NEW PRODUCT ALL IN ONE



Code	Dn	Attacks	Measures
2590	2" 1/2	1x70	365x250
2591	3"	2x70	480x250
2592	4"	3x70	650x270

ALL IN ONE group, implements an automatic sectioning system that optimizes the flow of water from the pumps in case of multiple attacks, obviously foreseeing the leakage of water from a mouth possibly not connected to the pump.

On request, the model also offers the possibility of padlocking the shutter in the maximum opening position and of installing an automatic drain valve.

## ACCESSORIES AND COMPONENTS

HYDRANT COCK WALL SOCKET WITH MANOMETER TO CHECK RESIDUAL PRESSURE HYDRANT NETWORK



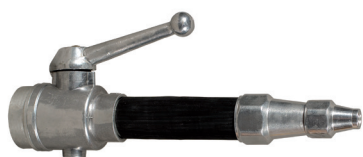
Code	Specification	Standard
2261	Hydrant cock DN 45 x 1"1/2 gas with manometer	UNI 10779

UNSCREWING KEY



Code	For cock
2178	UNI 45

ALUMIMUM LANCE LEVER



Code	Nozzle	Attack	Standard
0603	ø 12	45	EN 671-2

POLYPROPYLENE LANCE LEVER



Code	Nozzle	Attack	Standard
0604	ø 12	45	EN 671-2

POLYPROPYLENE ROTATING LANCE



Code	Nozzle	Attack	Standard
0605	ø 13	UNI 45	EN 671-2

ALUMINUM LANCE LEVER



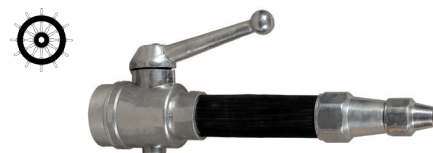
Code	Nozzle	Attack
1430	ø 16	70

SPRAY JET LANCE



Code	Flow	Fitting
1960	100/200/300/400 lt/min	UNI45

ALUMINUM LANCE LEVER



Code	Nozzle	Attack
1233	ø 12	45
0600	ø 16	70

ALUMINUM LANCE LEVER WITH COVER



Code	Nozzle	Attack	Standard
0606	ø 9	UNI45	UNI EN 15182-3
0609A	ø 16	UNI70	UNI EN 15182-3



## ACCESSORIES AND COMPONENTS

**FIXED REDUCTION UNI / FEMALE GAS**



Code	Description
0690	F45XF 1" 1/2 without hexagon
0691	F45XF 2" without hexagon
0693	F70XF 2" without exagon

**FEMALE SWIVEL REDUCTION UNI / FEMALE SWIVEL UNI**



Code	Description
0697	FG 45 X FG 25
0698	FG 45 X FG 45
0699	FG 45 X FG 70
0700	FG 70 X FG 70

**FEMALE SWIVEL REDUCTION UNI / MALE SWIVEL GAS**



Code	Description
0714	FG 45 X M 1"
0715	FG 45 X M 1" 1/4
0716	FG 45 X M 1" 1/2

**FEMALE SWIVEL REDUCTION UNI / MALE UNI**



Code	Description
0709	FG 45 X M 70
0710	FG70 X M 45

**FEMALE SWIVEL REDUCTION UNI / FEMALE GAS**



Code	Description
0703	FG 45 X F 1" 1/2
0704	FG 45 X F 2"
0705	FG 70 X F 2"

**FEMALE FIXED REDUCTION UNI / MALE GAS**



Code	Description
0659	M 1" X F 25 with hexagon
0662	M 1" 1/2 X F 45 with hexagon
0663	M 2" X F 45 with hexagon

**MALE FIXED REDUCTION UNI / FEMALE GAS**



Code	Description
0650	M25 X F 1" with hexagon
0653	M 45 X F 1" 1/2 without hexagon
0654	M 45 X F 2" without exagon
0655	M 70 X F 2" without hexagon

**MALE FIXED REDUCTION UNI / MALE UNI**

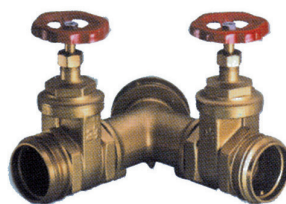


**MALE FIXED REDUCTION UNI / FEMALE UNI**



Code	Description
0646	M 45 X F 70 without hexagon
0647	M 70 X F 45 without hexagon

**DIVIDER WITH TWO-WAY SHUTTERS**



Code	Description
0762	UNI 45 FG N.2 outlets UNI 45 M
0763	UNI 70 FG N.2 outlets UNI 45 M
0764	UNI 70 FG N.2 outlets UNI 70 M

**MALE FIXED REDUCTION UNI / MALE GAS**



Code	Description
0678	M45 X M 1" 1/2 without hexagon
0679	M 45 X M 2" without hexagon
0681	M 70 x M 2" without hexagon

**SIMPE TWO-WAY DIVIDER**



Code	Description
0755	UNI 45 FG N.2 outlets UNI 45 M
0757	UNI 70 FG N.2 outlets UNI 45 M
0759	UNI 70 FG N.2 outlets UNI 70 M

## FOAM EQUIPMENTS

Foam systems are useful tools for fighting fire in large areas and mainly in outdoor places. They are closely connected to the structure's fire-fighting water network as they require adduction from the fire-fighting network in order to be used correctly and do their full potential.

The foaming additives or foams are mixed with water thus creating a liquid extinguishing substance which, delivered through specific lances, is mixed with air creating a foam effect and has the main function of isolating the material affected by the fire principle, creating a cover-forming state on top. The solid or liquid material which isolates from the top comburent (oxygen present in the air).

The EN 1568 standard is divided in 4 parts:

**part 1:** specifications for concentrated medium expansion foaming liquids for surface applications on liquids immiscible with water.

**part 2:** specifications for high expansion concentrated foaming liquids for surface applications for liquids immiscible with water.

**part 3:** specifications for concentrated foaming liquids with low expansion for surface application on liquids immiscible with water.

**part 4:** specifications for low expansion concentrated foaming liquids for surface application in liquids immiscible with water.



## FOAM EQUIPMENTS

The standard, in parts 1 and 2, does not establish a classification for products, but only compliance with it, while parts 3 and 4 establish a classification according to their behavior on fire.

For the realization of the extinguishing agent, attention must be paid to European regulations, in particular the EU regulation 2017/1000 /EC which limits the use of PFOA to <25ppb, does not prohibit fluorinated surfactants but strongly limits their use.

All foams are made with a C6 short chain synthetic base as required by current regulations, there are mainly three types of foams for low, medium and high expansion fire-fighting applications: **AFFF, AFFF-AR and SYNTHETICS**.

Type	Use	Characteristics
AFFF	For class B fires only hydrocarbons	Filming synthetic fluorine type foaming agent, usable at low and medium expansion. Foamer ideal for airport use, for sprinkler systems, even large oil fires. Available in 3% and 6% concentrations.
AFFF-AR	For class B fires only hydrocarbons and alcohols (polar solvents)	Synthetic fluorine type foaming agent suitable for extinguishing hydrocarbons and alcohols. Usable at low and medium expansion ideal for large petrochemical complexes where large quantities of flammable liquids, both hydrocarbons and alcohols, are processed and stored. Available in 3% and 6% concentrations.
Synthetics	For class B fires suitable for hydrocarbons	High expansion synthetic foaming liquid. Suitable for pump room fires, engine rooms, warehouses with application with high expansion foam chambers.

### Method of conservation

If the liquid is stored in mobile containers (drums, tanks, etc ...) it is advisable to avoid leaving the containers open longer than strictly necessary (levy time) to prevent oxidation and evaporation. If stored in iron containers it is advisable to keep them away from the saline atmosphere and/or from the joint action of rainwater and other aggressive components. If stored in plastic containers, it is advisable to avoid direct exposure to sunlight, the polymers present in the construction of the container could prematurely alter the substances present in the foaming liquid.

If the foaming liquid is stored in tanks (mainly fixed systems), care must be taken that no polluting substances, mainly water or incompatible foaming liquids, are introduced into the tanks; when introducing new foam, decanting and/or recycling, avoid excessive foam formation in the tank, as subsequent drying can give rise to a gradual formation of solid deposits. It is also a good idea to minimize or completely eliminate the passage of air and keep the level of the foaming liquid in the high tank.



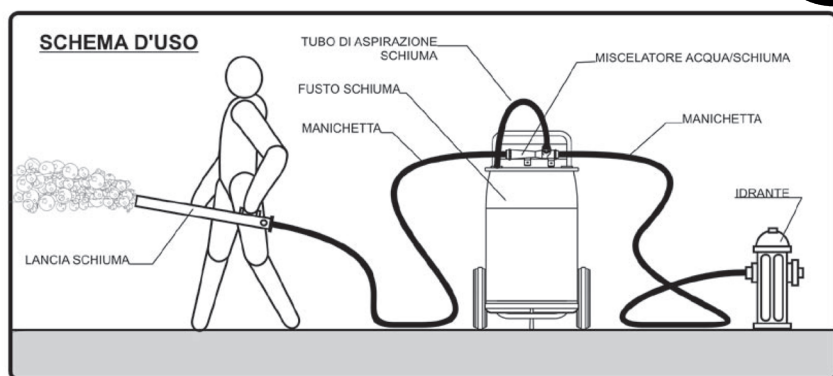
## FOAM EQUIPMENT

### TROLLEY FOR MOBILE FOAM GROUP COMPLETE WITH HOSES , EXPANSION LANCE AND ACCESSORIES

Trolley for group mobile made of RAL3000 red painted steel with polypropylene box with high resistance to UV rays able to contain the standard equipment, 2 hoses of 20 m, above ground hydrant operating key. The trolley is supplied complete with an in-line venturi effect mixer with suction tube and dispensing lance. The foam drum is supplied separately and chosen according to the customer's needs.

Code	Description
1692-1	Low expansion lance DN 45
1692-2	Medium expansion lance DN 45
1692-3	Low expansion lance DN 70
1692-4	Medium expansion lance DN 70

Choose the most appropriate foam in the next page.



TAP FOR MOBILE GROUP

Code	Dimensions
1471	600x1000x1300H



## FOAM EQUIPMENT

### FOAM FOR MOBILE GROUP AND SPECIAL APPLICATIONS

Code	Type	Expansion	Drum capacity	Approval	Freezing point
2581	AFFF 3%	Low - Medium	100 Kg	EN - ICAO - LASTFIRE	-15°
2581-1	AFFF 3%	Low-Medium	200 Kg	EN - ICAO - LASTFIRE	-15°
2580	AFFF 6%	Low-Medium	100 Kg	EN	-2°
2580-1	AFFF 6%	Low-Medium	200 Kg	EN	-2°
2582	AFFF-AR 3%	Low-Medium	100 Kg	EN	-15°
2582-1	AFFF-AR 3%	Low-Medium	200 Kg	EN	-15°
2583	AFFF-AR 6%	Low-Medium	100 Kg	EN	-15°
2583-1	AFFF-AR 6%	Low-Medium	200 Kg	EN	-15°
2584	Synthetic 3%	High	100 Kg	EN	-15°

A new fluorine-free foam suitable for classes A and B fires certified according to EN 1568 , completely



Code	Type	Expansion	Drum capacity	Approval	Freezing point
2585	Fluorine FREE 3%	Low-Medium-High	100 Kg	EN- ICAO - LASTFIRE	-12°
2585-1	Fluorine FREE 3%	Low-Medium-High	200 Kg	EN - ICAO - LASTFIRE	-12°
2586	Fluorine FREE 6%	Low-Medium-High	100 Kg	EN	-12°
2586-1	Fluorine FREE 6%	Low-Medium-High	200 Kg	EN	-12°

Example of complete trolley with low expansion lance

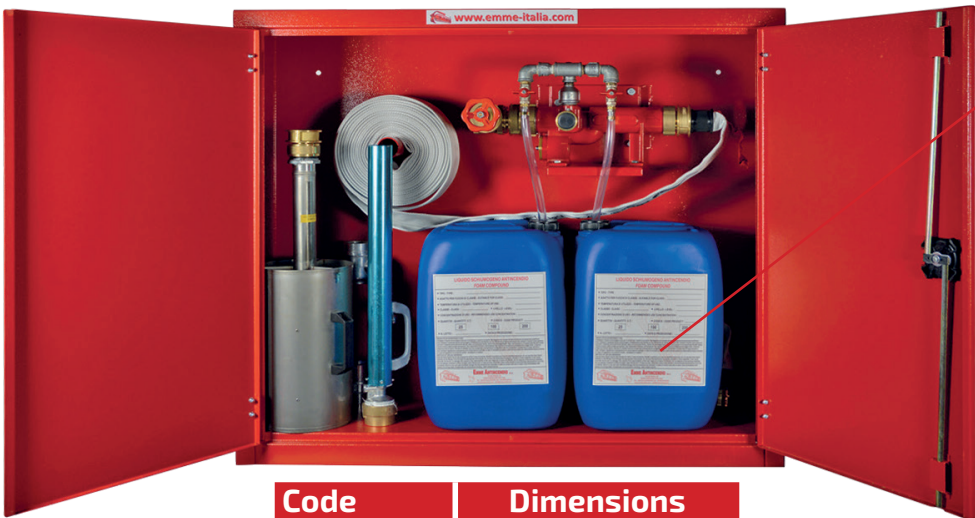


Example of complete trolley with medium/high expansion lance



FOAM EQUIPMENT

WATER/FOAM MULTIPURPOSE REEL CABINET

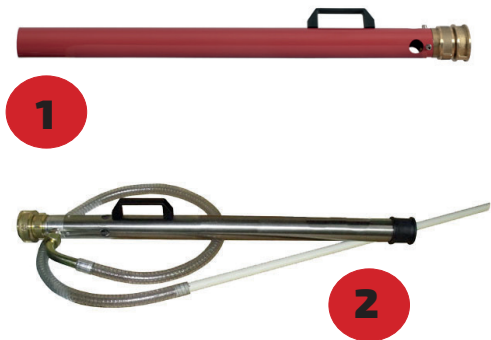


Supplied separately

Code	Dimensions
1506	1100x300x880H

Multi-purpose device made of RAL3000 red painted plate metal equipped with water / foam mixer, DN45 hose with three-effect aluminum lance, low expansion lance and medium expansion lance. Made with lock equipped with cylinder with double keys. Housing suitable for 2 foam drums 25 lt supplied separately according to customer needs.

LOW EXPANSION PORTABLE FOAM LANCE



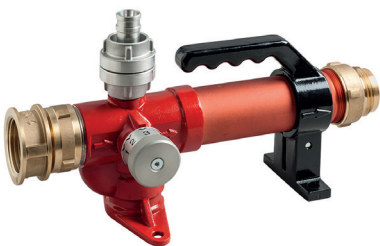
MEDIUM EXPANSION PORTABLE FOAM LANCE



Fig.	Code	Description
1	0450	UNI 45 attack 200 lt/min flow at 5 bar
1	0451	UNI 70 attack 500 lt/min flow at 5 bar
2	0450-1	UNI 45 attack LT 200 with built-in mix

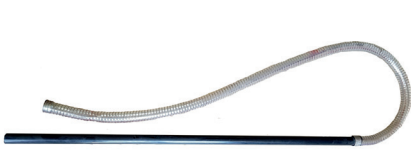
Code	Description
0452	UNI 45 attack 200 lt/min flow at 5 bar
0409	UNI 70 attack 400 lt/min flow at 5 bar

LINE MIXER WITH VARIABLE SUCTION 1% - 6%



Code	Description
0404	Complete with UNI 45 attacks
0454	Complete with UNI 70 attacks

PVC FLOAT FOR MOBILE GROUP



Code	Description
1769	PVC float complete with flexible pipe and locking-clamps- mixer connection excluded



## ARTICLES IN ACCORDANCE WITH STORZ

### HOSE DN 45/70 WHITE



Hose made in compliance with EN 14540 (DN 45) and UNI 9487 (DN 70). Supplied complete with STORZ fittings in light alloy with binding in accordance with UNI 7422 and binding cover sleeves.

Code	Lenght	DN	Storz
0633	20 MT	45	52
0634	20 MT	70	75

### TURBOMATIC LANCE



Code	Flow	Attacck
1960-3	100-200-300-400 lt/min	Storz

### CONNECTION REDUCTION UNI - STORZ



Code	Male	Storz	Material
2214-1	GAS 2"	DN52 (C)	Aluminum
2214-2	GAS 2" 1/2	DN75 (B)	Aluminum

### CONNECTION REDUCTION UNI - STORZ



Code	Female	Storz	Material
2216-1	Gas 2"	DN52 (C)	Aluminum
2216-2	Gas 2" 1/2	DN75 (B)	Aluminum

### CONNECTION REDUCTION UNI - STORZ



Code	Male	Storz	Material
2215	UNI 45*	DN52 (C)	Brass/aluminum
2215-1	UNI 70*	DN75 (B)	Brass/aluminum

### CONNECTION REDUCTION UNI - STORZ



Code	Female	Storz	Material
2217	UNI 45*	DN52 (C)	Brass/aluminum
2217-1	UNI 70*	DN75 (B)	Brass/aluminum

### ALUMINUM LANCE LEVER



Code	DN	Material
1050-2	52	Aluminum
1050-1	75	Aluminum

### STORZ KEY



Code	Type	Material
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## ACCESSORIES AND MACHINERIES FOR MAINTENAN-

### PRESSURE AND FLOW METER KIT



With precision manometer diam.160 complete with summary tables. Complete with kit for testing water networks.

**Code**
**0870**

The pressure and flow meter kit is to be used for the measurement of dynamic pressure in hydrant networks. The determination of the water flow rate as a function of the residual pressure for UNI45, UNI70 and DN25 hose reels; measurement to be carried out for the verification of fire-fighting systems compliant with the UNI 10779 standard.

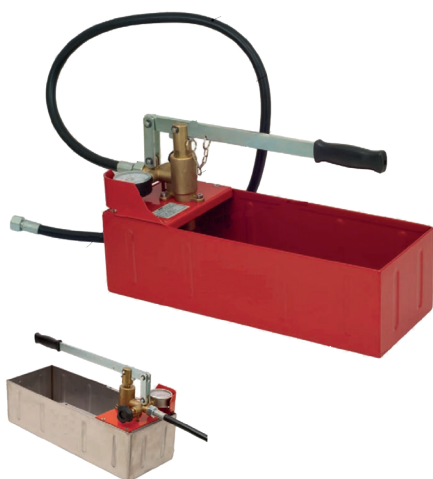
### PRESSURE AND FLOW METER KIT



With precision manometer diam.100.

**Code**
**0870-1**

### PUMP MANUAL FOR TESTING EXTINGUISHERS AND HOSES


**Code**

1998

**Description**

Red coated iron

1998-2

Stainless steel

1998-5

Fitting for hoses

Maximum pressure 40 bar complete with high pressure flexible pipe fitting 1/2 "F, tank capacity 12 liters. Including M30x1.5 fitting for testing enclosures (cod. 1998-4)

### PUMP WITH ELECTRIC MOTOR FOR TESTING EXTINGUISHERS AND HOSES


**Code**

1998-3

**Description**

Pump

1998-5

Fitting for hoses

Maximum pressure 50 bar complete with pressure regulator and flexible pipe for connection to the water mains. Including M30x1.5 fitting for testing enclosures (cod. 1998-4)

## ACCESSORIES AND MACHINERIES FOR MAINTENAN-

### SHELL FOR STATIC PRESSURE DETECTION



Spare pressure gauge in glycerine bath - 0/25 BAR

POMPIERISTICO

Code	Description
0867	Attack UNI 25
0868	Attack UNI 45
0869	Attack UNI 70
1151	Quick graft pressure gauge

### FLOW METER FOR THE DIRECT DETECTION OF THE DYNAMIC PRESSURE AND THE CAPACITY



**Code** 1534-71

Digital flow meter connectable via WI-fi to tablet, smartphone and PC. Complete with Venturi meters DN 25, DN 45, DN 70 in aluminum UNI 804. Measurement range up to 220 l/min for DN 25, 500 l/min for DN 45 e 1800 l/min for DN 70. Equipped with carrying case and USB connection cable.

### TEST KIT CASE FOR HOSES UNI 45/70



**Code** 1356

Kit composed of divider and pressure gauge for testing air hoses complete with UNI 45 and UNI 70 fittings.



ACCESSORIES AND MACHINERIES FOR MAINTENAN-

MULTIFUNCTION PNEUMATIC UNIT



Unità pneumatica multifunzione per il collaudo e l'asciugatura di tubazioni antincendio ed estintori a max 60 bar. Interamente realizzato in acciaio INOX e dotato di due ruote che ne facilitano il trasporto. Alimentazione ad aria 4 bar max, serbatoio scorta acqua lt 25. Dotato di serie di raccordi UNI45 ,spugna per asciugatura, una chiave idrante tipo A, una gabbietta recupero spugna.

Code	Accessories
1534-61	Low pressure portable fire extinguisher testing kit
1534-62	Low pressure wheeled fire extinguisher testing kit
1534-63	Testing kit for hoses UNI 70
1534-64	Testing kit for reels UNI 25
1534-65	Kit connection pump -system

Code	1534-6
Dimensions 600x600x1000H mm	

MANUAL HANDWHEEL TROLLEY



Essential accessory for quickly and comforting rewinding any type of fire-fighting hose.

Code	1997-2
Dimensions 550x200x1200H mm	

MANUAL HANDWHEEL



Manual handwheel for UNI 45 and UNI 70 hoses. Complete with counter-window for bench fixing.

Code	0443-1
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## ACCESSORIES AND MACHINERIES FOR MAINTENAN-

### FLOW METER TEST TROLLEY



Trolley for pressure and flow tests for hoses connections to the floor. Structure in stainless steel. Wheels for stairs and directional wheels with brake. Tank of 120 lt. capacity approx. Water drain valve. Water level control. Manifold for uni 70 - uni 45 - uni 25. Water inlet selection valves flow meters. System with pressure and flow rate mobile app.

**Code**
**1534-7**

Dimensions 700x900x1200H mm





## Emme Antincendio s.r.l.

Sede produttiva: via del molino 40 - 40B • 52010 corsalone (AR) • Tel 0575.511320 • fax 0575.531521 • [info@emme-italia.com](mailto:info@emme-italia.com)

Negozio di Arezzo: via Luigi Galvani 69 • 52100 Arezzo (AR) • Tel 0575.380106 • [commerciale@emme-italia.com](mailto:commerciale@emme-italia.com)

Negozio di Milano: via Giuseppe di Vittorio 11 • 20017 Mazzo di Rho (MI) • Tel 02.93900399 • [milano@emme-italia.com](mailto:milano@emme-italia.com)

Negozio di Padova: via Polonia 35 • 35127 Padova (PD) • Tel 049.6453824 • [padova@emme-italia.com](mailto:padova@emme-italia.com)

Negozio di Reggio Emilia: Via Mario Gasparini 13 • 42124 Reggio Emilia (RE) • Tel 0522.572982 • [reggioemilia@emme-italia.com](mailto:reggioemilia@emme-italia.com)

Negozio di Roma: Via Amaseno 22 • 00131 Roma (RM) • Tel 06.85911083 • [roma@emme-italia.com](mailto:roma@emme-italia.com)