

# HIGH PRESSURE KITS

- MOTOR PUMPS
- HP KITS WITH TANKS IN GRP
- HP KITS WITH TANKS IN STAINLESS STEEL
- SPECIAL FOAM MIXING SYSTEM





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**FIRECO**  
HIGH PRESSURE KITS

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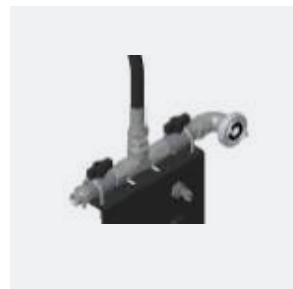
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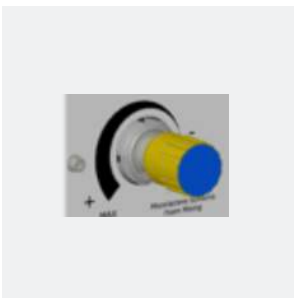
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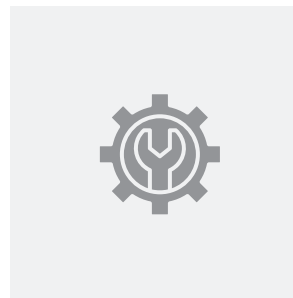
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# INTRODUCTION



## HIGH PRESSURE KITS

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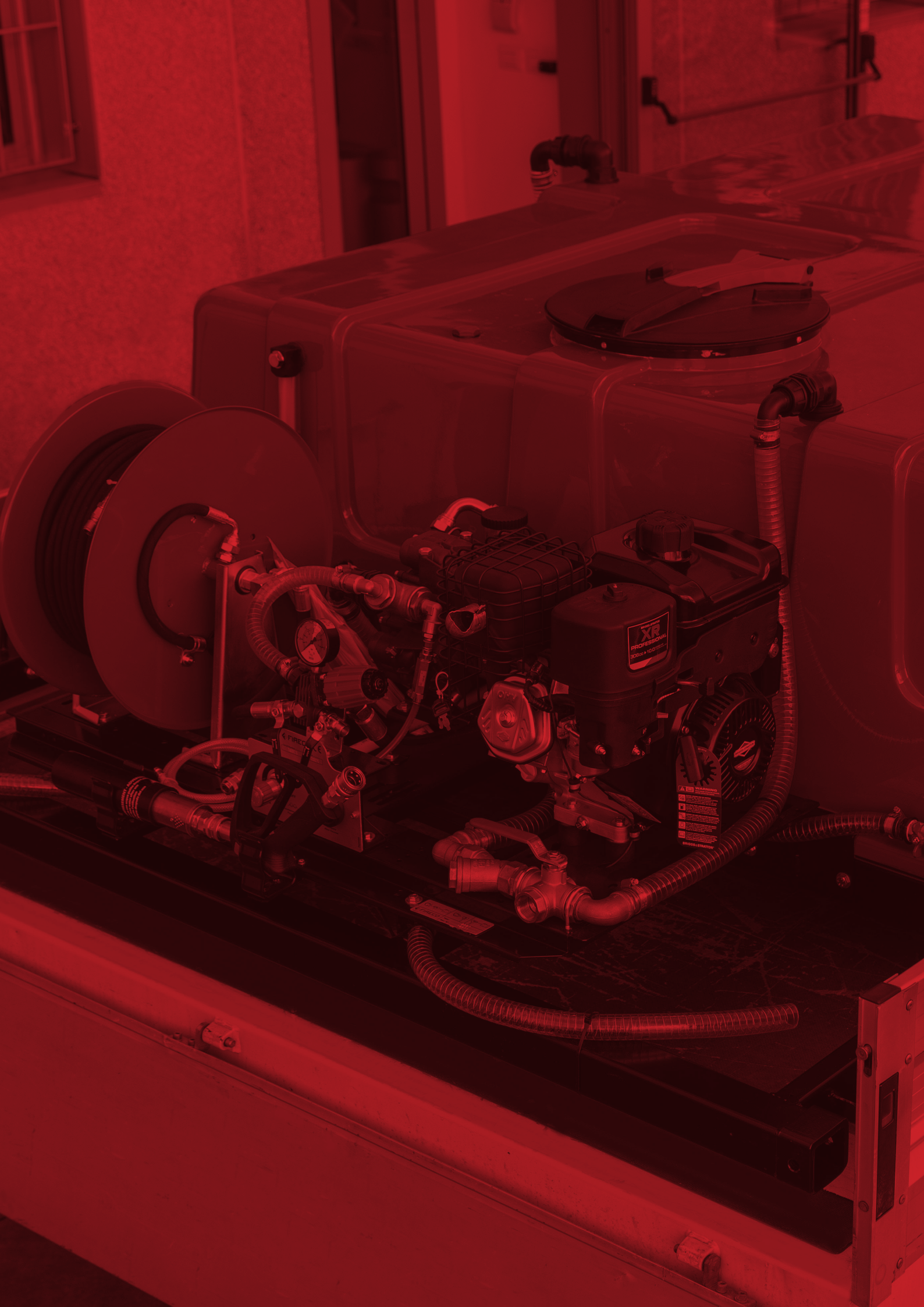
Fireco has been at the cutting edge of the manufacturing of high-quality firefighting High Pressure Kits. Our multi-year experience and the deep know-how that we have acquired through teamwork and collaboration with major vehicle body builders, combined with a reactive and highly qualified R&D department, high quality standards and customisable solutions have made it possible to sell thousands of High Pressure Kits all over the world.

Fully configurable kits composed of GRP or stainless steel tanks, combined with piston or diaphragm pumps mounted on a wide range of petrol or diesel engines are the spearhead of

Fireco's leadership: more than one thousand combinations have already been made, and many others are still waiting to be designed and assembled, in order to satisfy our customer's requests.

Our customer support aims at helping clients choose the best solution for their needs, developing brand new products and accessories and providing them with effective after-sales assistance.

Experience, competence, wide product range, cooperation and after-sales support make Fireco the best partner you will find in the Firefighting High Pressure Kits market.



# 02

## TANKS

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**Fireco offers a wide range of tanks that come in different sizes (from 100l up to 1100l), shapes (L, T, cube or for ATV), and materials (GRP, GRP reinforced with Kevlar and Stainless steel).**

**The best-seller tanks are the GRP ones, as this kind of material has many advantages:**

- Lightweight
- Resistance
- Good-value for money
- Durable
- Available with optional internal foam tank



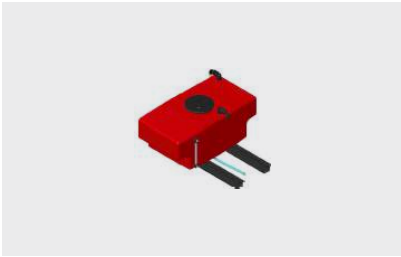
## TANKS GRP

### L-SHAPED



TOTAL CAPACITY	INTERNAL FOAM TANK (MIN-MAX)
350 l	20 ÷ 30 l
400 l	20 ÷ 30 l
500 l	30 l
600 l	30 ÷ 50 l

### T-SHAPED



TOTAL CAPACITY	INTERNAL FOAM TANK (MIN-MAX)
350 l	25 ÷ 50 l
400 l	30 ÷ 40 l
450 l	25 ÷ 50 l
500 l	25 ÷ 50 l
550 l	50 l
600 l	30 ÷ 50 l

### C-SHAPED CUBE



TOTAL CAPACITY	INTERNAL FOAM TANK (MIN-MAX)
100 l	-
200 l	20 l
500 l	50 l
600 l	30 ÷ 50 l
1100 l	100 ÷ 200 l

### Q-SHAPED FOR ATV



TOTAL CAPACITY LT.	INTERNAL FOAM TANK (MIN-MAX)
100 l	-
150 l	-
200 l	-

#### GRP REINFORCED WITH KEVLAR

Fireco also offers self-supporting tanks reinforced with **Kevlar**. This permits to have a lighter unit, because the external steel frames are not necessary anymore. This version is available in "T" and "L" shaped tanks.

Note: For bigger tank capacities (like 1250, 1500, 2000 and 2500lt) please contact Fireco.



## STAINLESS STEEL

As an alternative to the GRP tanks, Fireco can equip the firefighting kits with AISI 304 stainless steel tanks. The tank shape, size, and connections can be customized. Below you can find our standard solutions.

### L-SHAPED



TOTAL CAPACITY
350 l
400 l
500 l
600 l

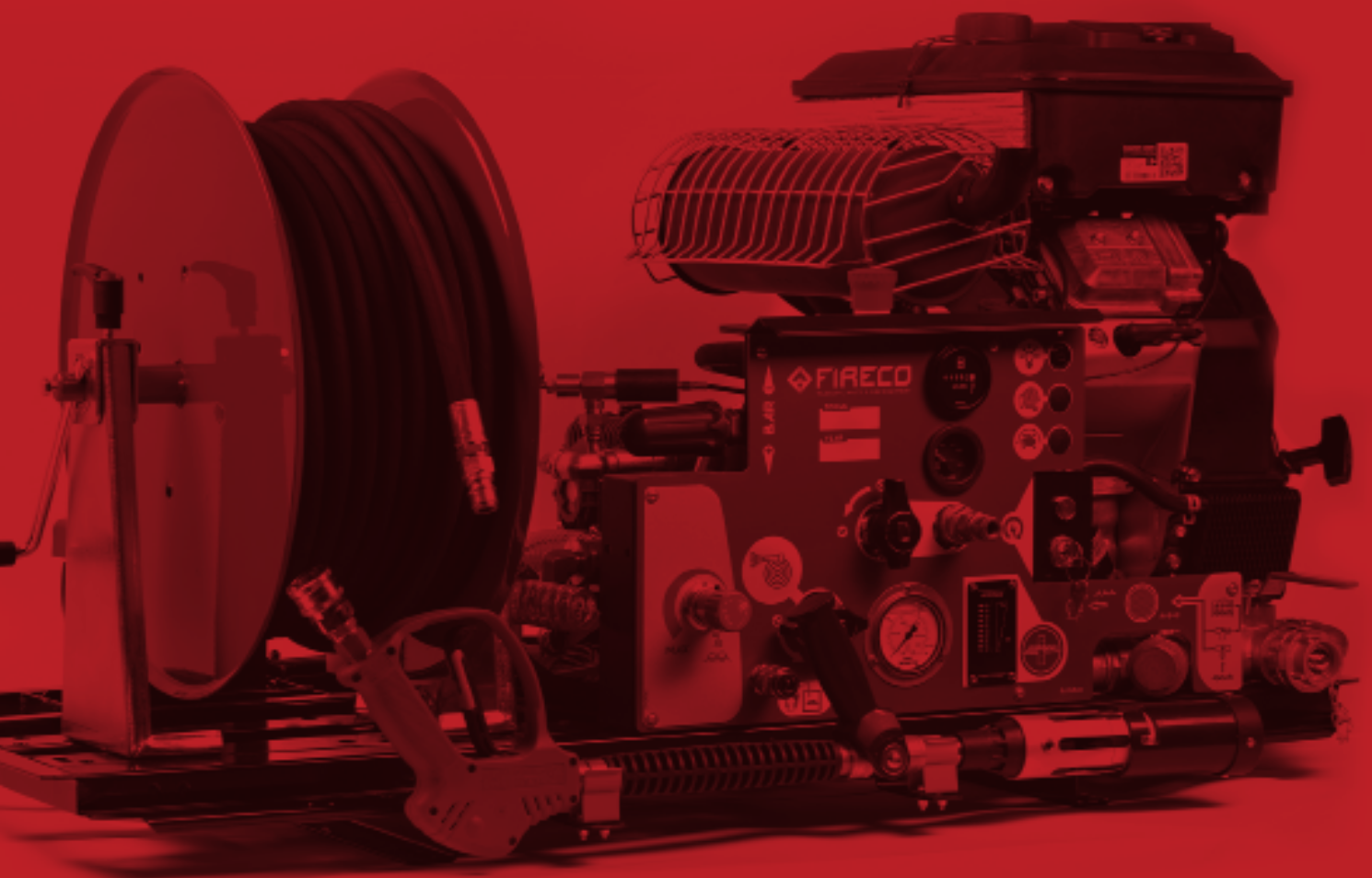
### T-SHAPED



TOTAL CAPACITY
350 l
400 l
500 l
600 l

Note: The internal foam tank is not available.





# 03

## H.P. UNITS

---

The H.P. units are the heart of the fire-fighting kit and are composed by petrol or diesel engines with different power and piston or diaphragm pumps.

The combination of the above permits to reach different performances, the most common 55lt/1' and 40 bars up to 21lt/1' and 250 bars, in order to satisfy different extinguishing requirements.



## PETROL ENGINES WITH DIAPHRAGM PUMPS

TECHNICAL DATA	ENGINE	PUMP
<b>01B</b>		
<b>Dimensions:</b> 700 x 550 x 480 mm	<b>Power @ 3600 Rpm:</b> 10 HP (7.5 kW)	<b>Max Flow Rate:</b> 55 l/min. (14,5 Gpm)
<b>Weight:</b> ~ 45 kg	<b>Torque @ 2600 Rpm:</b> ~ 20 Nm	<b>Max Pressure:</b> 40 bar (580 psi)
<b>Features:</b> Front upward muffler; Electric and manual start-up;	<b>Displacement:</b> ~ 306 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.1 l
	<b>Fuel Tank:</b> ~ 5.3 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 2.93 l / h	
<b>02B</b>		
<b>Dimensions:</b> 720 x 500 x 600 mm	<b>Power @ 3600 Rpm:</b> 14 HP (10.4 kW)	<b>Max Flow Rate:</b> 71 l/min. (18,7 Gpm)
<b>Weight:</b> ~ 65 kg	<b>Torque @ 2000 Rpm:</b> ~ 29.8 Nm	<b>Max Pressure:</b> 40 bar (580 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 479 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.7 l
	<b>Fuel Tank:</b> ~ 8 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 4.2 l / h	
<b>03B</b>		
<b>Dimensions:</b> 720 x 500 x 600 mm	<b>Power @ 3600 Rpm:</b> 14 HP (10.4 kW)	<b>Max Flow Rate:</b> 81 l/min. (21,4 Gpm)
<b>Weight:</b> ~ 65 kg	<b>Torque @ 2000 Rpm:</b> ~ 29.8 Nm	<b>Max Pressure:</b> 50 bar (725 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 479 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.7 l
	<b>Fuel Tank:</b> ~ 8 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 4.2 l / h	
<b>04B</b>		
<b>Dimensions:</b> 750 x 500 x 600 mm	<b>Power @ 3600 Rpm:</b> 18 HP (13.4 kW)	<b>Max Flow Rate:</b> 105 l/min. (27,7 Gpm)
<b>Weight:</b> ~ 75 kg	<b>Torque @ 2400 Rpm:</b> ~ 39.3 Nm	<b>Max Pressure:</b> 50 bar (725 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 570 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.7 l
	<b>Fuel Tank:</b> ~ 8 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 6.2 l / h	
<b>05B</b>		
<b>Dimensions:</b> 750 x 550 x 470 mm	<b>Power @ 3600 Rpm:</b> 10 HP (7.5 kW)	<b>Max Flow Rate:</b> 132 l/min. (34,9 Gpm)
<b>Weight:</b> ~ 50 kg	<b>Torque @ 2600 Rpm:</b> ~ 20 Nm	<b>Max Pressure:</b> 20 bar (290 psi)
<b>Features:</b> Front upward muffler; Electric and manual start-up;	<b>Displacement:</b> ~ 306 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.1 l
	<b>Fuel Tank:</b> ~ 5.3 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 2.93 l / h	

Information about engines and pumps given in the tables are nominal values of each single component, not concerning the assembled unit. Real water flow and working pressure values may differ when the HP unit is connected to a hose reel and a nozzle.

## PETROL ENGINES WITH PISTON PUMPS

TECHNICAL DATA	ENGINE	PUMP	
<b>50B</b>			
Dimensions: 650 x 480 x 600 mm	Power @ 3600 Rpm: 14 HP (10.4 kW)	Max Flow Rate: 42 l/min. (11,1 Gpm)	
Weight: ~ 60 kg	Torque @ 2400 Rpm: ~ 29.8 Nm	Max Pressure: 100 bar (1450 psi)	
Features: Muffler; Electric and manual start-up; Oil filter.	Displacement: ~ 479 cm <sup>3</sup>	Rpm: 1450	
	Oil Capacity: ~ 1.7 l		
	Fuel Tank: ~ 8 l		
	Consumption @ 3600 Rpm: ~ 4.2 l / h		
<b>51B</b>			
Dimensions: 700 x 480 x 600 mm	Power @ 3600 Rpm: 18 HP (13.4 kW)	Max Flow Rate: 42 l/min. (11,1 Gpm)	
Weight: ~ 65 kg	Torque @ 2400 Rpm: ~ 39.3 Nm	Max Pressure: 150 bar (2200 psi)	
Features: Muffler; Electric and manual start-up; Oil filter.	Displacement: ~ 570 cm <sup>3</sup>	Rpm: 1450	
	Oil Capacity: ~ 1.7 l		
	Fuel Tank: ~ 8 l		
	Consumption @ 3600 Rpm: ~ 6.2 l / h		
<b>52B</b>			
Dimensions: 700 x 480 x 600 mm	Power @ 3600 Rpm: ~ 18 HP (13.4 kW)	Max Flow Rate: 34 l/min. (9 Gpm)	
Weight: ~ 65 kg	Torque @ 2400 Rpm: ~ 39.3 Nm	Max Pressure: 170 bar (2400 psi)	
Features: Muffler; Electric and manual start-up; Oil filter.	Displacement: ~ 570 cm <sup>3</sup>	Rpm: 1750	
	Oil Capacity: ~ 1.7 l		
	Fuel Tank: ~ 8 l		
	Consumption @ 3600 Rpm: ~ 6.2 l / h		
<b>57B</b>			
Dimensions: 700 x 480 x 600 mm	Power @ 3600 Rpm: ~ 18 HP (13.4 kW)	Max Flow Rate: 50 l/min. (13,20 Gpm)	
Weight: ~ 65 kg	Torque @ 2400 Rpm: ~ 39.3 Nm	Max Pressure: 100 bar (1450 psi)	
Features: Muffler; Electric and manual start-up; Oil filter.	Displacement: ~ 570 cm <sup>3</sup>	Rpm: 1450	
	Oil Capacity: ~ 1.7 l		
	Fuel Tank: ~ 8 l		
	Consumption @ 3600 Rpm: ~ 6.2 l / h		
<b>66B - 68B</b>			
Dimensions: 680 x 460 x 600 mm Weight: ~ 75 kg Features: Muffler; Electric and manual start-up; Oil filter.	Power @ 3600 Rpm: 23 HP (17,2 kW)	PUMP 66B Max Flow Rate: 70 l/min. (18,5 gpm)	PUMP 68B Max Flow Rate: 60 l/min. (15,9 gpm)
	Torque @ 3000 Rpm: ~ 50 Nm	Max Pressure: 90 bar (1300 psi)	Max Pressure: 100 bar (1450 psi)
	Displacement: ~ 627 cm <sup>3</sup>	Rpm: 1450	Rpm: 1450
	Oil Capacity: ~ 1.7 l		
	Fuel Tank: ~ 8 l		
	Consumption @ 3600 Rpm: N.A.		



## DIESEL ENGINES WITH DIAPHRAGM PUMPS

TECHNICAL DATA	ENGINE	PUMP
<b>01D</b>		
<b>Dimensions:</b> 720 x 450 x 580 mm	<b>Power @ 3600 Rpm:</b> ~ 11 HP (8 kW)	<b>Max Flow Rate:</b> 55 l/min. (14,5 Gpm)
<b>Weight:</b> ~ 70 kg	<b>Torque @ 2200 Rpm:</b> ~ 24.5 Nm	<b>Max Pressure:</b> 40 bar (580 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 441 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.5 l
	<b>Fuel Tank:</b> ~ 5 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 2.3 l / h	
<b>02D</b>		
<b>Dimensions:</b> 720 x 450 x 580 mm	<b>Power @ 3600 Rpm:</b> ~ 11 HP (8 kW)	<b>Max Flow Rate:</b> 71 l/min. (18,7 Gpm)
<b>Weight:</b> ~ 80 kg	<b>Torque @ 2200 Rpm:</b> ~ 24.5 Nm	<b>Max Pressure:</b> 40 bar (580 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 441 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.5 l
	<b>Fuel Tank:</b> ~ 5 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 2.3 l / h	
<b>04D</b>		
<b>Dimensions:</b> 830 x 550 x 600 mm	<b>Power @ 3600 Rpm:</b> 19 HP (14 kW)	<b>Max Flow Rate:</b> 105 l/min. (27,7 Gpm)
<b>Weight:</b> ~ 95 kg	<b>Torque @ 2200 Rpm:</b> ~ 42 Nm	<b>Max Pressure:</b> 50 bar (725 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 851 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.8 l
	<b>Fuel Tank:</b> ~ 4 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 4.4 l / h	
<b>05D</b>		
<b>Dimensions:</b> 780 x 450 x 580 mm	<b>Power @ 3600 Rpm:</b> ~ 11 HP (8 kW)	<b>Max Flow Rate:</b> 132 l/min. (34,9 Gpm)
<b>Weight:</b> ~ 75 kg	<b>Torque @ 2200 Rpm:</b> ~ 24.5 Nm	<b>Max Pressure:</b> 20 bar (290 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 441 cm <sup>3</sup>	
		<b>Oil Capacity:</b> ~ 1.5 l
	<b>Fuel Tank:</b> ~ 5 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 2.3 l / h	

## DIESEL ENGINES WITH PISTON PUMPS

TECHNICAL DATA	ENGINE	PUMP
<b>50D</b>		
<b>Dimensions:</b> 750 x 550 x 600 mm	<b>Power @ 3600 Rpm:</b> 19 HP (14 kW)	<b>Max Flow Rate:</b> 42 l/min. (11,1 Gpm)
<b>Weight:</b> ~ 90 kg	<b>Torque @ 2200 Rpm:</b> ~ 42 Nm	<b>Max Pressure:</b> 100 bar (1450 psi)
<b>Features:</b> Muffler; Electric start-up; Oil filter.	<b>Displacement:</b> ~ 851 cm <sup>3</sup>	<b>Rpm:</b> 1450
	<b>Oil Capacity:</b> ~ 1.8 l	
	<b>Fuel Tank:</b> ~ 4 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 4.4 l / h	
<b>51D</b>		
<b>Dimensions:</b> 750 x 550 x 600 mm	<b>Power @ 3600 Rpm:</b> 19 HP (14 kW)	<b>Max Flow Rate:</b> 42 l/min. (11,1 Gpm)
<b>Weight:</b> ~ 90 kg	<b>Torque @ 2200 Rpm:</b> ~ 42 Nm	<b>Max Pressure:</b> 150 bar (2200 psi)
<b>Features:</b> Muffler; Electric start-up; Oil filter.	<b>Displacement:</b> ~ 851 cm <sup>3</sup>	<b>Rpm:</b> 1450
	<b>Oil Capacity:</b> ~ 1.8 l	
	<b>Fuel Tank:</b> ~ 4 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 4.4 l / h	
<b>52D</b>		
<b>Dimensions:</b> 750 x 550 x 600 mm	<b>Power @ 3600 Rpm:</b> 19 HP (14 kW)	<b>Max Flow Rate:</b> 34 l/min. (9 Gpm)
<b>Weight:</b> ~ 90 kg	<b>Torque @ 2200 Rpm:</b> ~ 42 Nm	<b>Max Pressure:</b> 170 bar (2400 psi)
<b>Features:</b> Muffler; Electric start-up; Oil filter.	<b>Displacement:</b> ~ 851 cm <sup>3</sup>	<b>Rpm:</b> 1750
	<b>Oil Capacity:</b> ~ 1.8 l	
	<b>Fuel Tank:</b> ~ 4 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 4.4 l / h	
<b>57D</b>		
<b>Dimensions:</b> 750 x 550 x 600 mm	<b>Power @ 3600 Rpm:</b> 19 HP (14 kW)	<b>Max Flow Rate:</b> 50 l/min. (13,20 Gpm)
<b>Weight:</b> ~ 90 kg	<b>Torque @ 2200 Rpm:</b> ~ 42 Nm	<b>Max Pressure:</b> 100 bar (1450 psi)
<b>Features:</b> Muffler; Electric and manual start-up; Oil filter.	<b>Displacement:</b> ~ 851 cm <sup>3</sup>	<b>Rpm:</b> 1450
	<b>Oil Capacity:</b> ~ 1.8 l	
	<b>Fuel Tank:</b> ~ 4 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 4.4 l / h	
<b>60D</b>		
<b>Dimensions:</b> 700 x 480 x 600 mm	<b>Power @ 3600 Rpm:</b> ~ 18 HP (13,4 kW)	<b>Max Flow Rate:</b> 50 l/min. (13,20 Gpm)
<b>Weight:</b> ~ 65 kg	<b>Torque @ 2400 Rpm:</b> ~ 39.3 Nm	<b>Max Pressure:</b> 100 bar (1450 psi)
<b>Features:</b> Muffler; Electric start-up; Oil filter.	<b>&lt;Displacement:</b> ~ 570 cm <sup>3</sup>	<b>Rpm:</b> 1450
	<b>Oil Capacity:</b> ~ 1.7 l	
	<b>Fuel Tank:</b> ~ 8 l	
	<b>Consumption @ 3600 Rpm:</b> ~ 6.2 l / h	







## **FHP FOAM MIXING SYSTEM**

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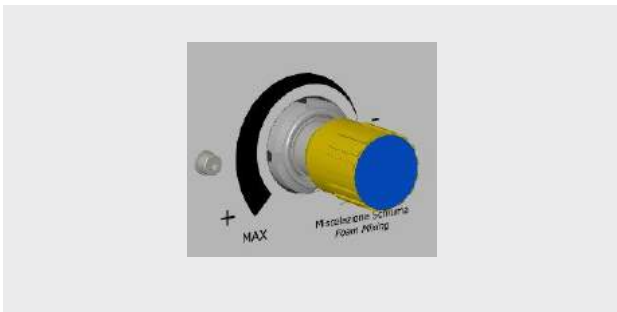
Fireco offers the patented FHP foam mixing system, that allows a constant, uniform and qualitatively acceptable mixing also with hoses with different diameters and considerable lengths.



## FHP FOAM MIXING SYSTEM

Fireco has developed the patented FHP system, for the foam mixing. The FHP system allows water to be mixed with different types of fire-extinguishing foams, or other film-forming directly inside the pump. The FHP system also makes it possible to overcome the problems generated by traditional line mixers working with the Venturi

system, which, with different diameters and considerable hose lengths, do not allow a constant, uniform and qualitatively acceptable mixing. With the FHP system the length and the diameter of the hose will not affect the mixing of water and foam, that will remain unaltered. It is possible to choose between two different types of mixers:



### FHP SYSTEM

Allows a constant and infinite regulation of mixing between water and film-forming liquid.



### FHPF SYSTEM

In addition to the FHP system, the FHPF visualizer shows to the operator an approximate indication of the mixing degree between water and film-foaming liquid.

### Advantages of foaming agents mixed with water:

- Suffocation of the fire by creation of a barrier between the burning agent and the air
- Prevention of the formation of vapors/gases
- Cool down of the burning agent surface





# 05

## **TUBES AND HOSE REELS**

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The H.P. units can be equipped with one or two hose reels, either manual or electric driven. They can fit hoses made of high resistant material and specially meant for the fire-fighting market. They are available in different sizes and lengths.



## 1AM HOSE (DIN EN 857)



Application: Low/medium pressure hydraulic system with mineral and vegetable oils, aqueous solution, air, inert gases.

**Composition:**

**Internal hose:** substratum of synthetic rubber resistant to oils.

**Exterior:** black synthetic rubber resistant to abrasion, oils, fuels, ozone, atmospheric agents.

**Reinforcement:** 1 braid of high resistant steel.

Working temperature -40°C/+100°C , +125°C max discontinuously.

DN	Ø INT.	Ø EXT.	WORKING PRESSURE		BURST PRESSURE		WEIGHT
			bar	PSI	bar	PSI	
3/8"	9,9 mm	15,7 mm	180 bar	2610 PSI	720 bar	10440 PSI	0,260 kg
1/2"	13 mm	19,5 mm	160 bar	2320 PSI	640 bar	9280 PSI	0,340 kg

## 2AM HOSE (EN 853 – SAE 100 R2AT)



Application: Low/medium pressure hydraulic system with mineral and vegetable oils, aqueous solution, air, inert gases.

**Composition:**

**Internal hose:** substratum of synthetic rubber resistant to oils.

**Exterior:** black synthetic rubber resistant to abrasion, oils, fuels, ozone, atmospheric agents.

**Reinforcement:** 2 braid of high resistant steel.

Working temperature -40°C/+100°C , +125°C max discontinuously.

DN	Ø INT.	Ø EXT.	WORKING PRESSURE		BURST PRESSURE		WEIGHT
			bar	PSI	bar	PSI	
3/8"	9,5 mm	18,9 mm	330 bar	4785 PSI	1320 bar	19140 PSI	0,550 kg
1/2"	12,7 mm	22,2 mm	275 bar	3988 PSI	1100 bar	15950 PSI	0,650 kg

The high pressure kits can be equipped with one or two hose reels fixed on the frame of the motorpump. There are two main types of hose reels: manual and electric.

We also have available transportable hose reels, in the manual version and with max. 50mt hose. For special requirements please contact Fireco.

## MANUAL STEEL HOSE REEL

MAX. HOSE REEL WORKING PRESSURE	MAX. HOSE REEL CAPACITY
250 Bar	100m Ø3/8" 1AM / 90m Ø1/2" 1AM

## ELECTRICAL-DRIVEN STEEL HOSE REEL

MAX. HOSE REEL WORKING PRESSURE	MAX. HOSE REEL CAPACITY
250 Bar	100m Ø3/8" 1AM / 90m Ø1/2" 1AM

Available in 12V or 24V (note: in case of 24V hose reel, the electrical connection has always to be performed by the bobybuilder).

In order to choose the correct hose type in reference to the pump model, please refer to this table.

## DIAPHRAGM PUMPS

PUMP MODEL (FLOW- PRESSURE)	RECOMMENDED HOSE SIZE	
	50 l - 40 bar	3/8" 1AM
70 l - 40 bar	1/2" 1AM	
80 l - 40 bar	1/2" 1AM	
100 l - 50 bar	1/2" 1AM	
135 l - 20 bar	1/2" 1AM	

## PISTON PUMPS

PUMP MODEL (FLOW- PRESSURE)	RECOMMENDED HOSE SIZE	
	42 l - 100 bar	3/8" 1AM
42 l - 150 bar	3/8" 1AM	
34 l - 170 bar	3/8" 1AM	
21 l - 200 bar	3/8" 2AM	
150 l - 100 bar	3/8" 1AM	1/2" 1AM

A different type of hose can cause the incorrect working of the motorpump.







## **FIREFIGHTING GUNS**

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In order to optimize the firefighting performances of its kits, Fireco offers different types of water and water/foam guns, depending on the flow rate and pressure of the H.P. unit; all the guns are made in steel, brass and high resistance polymers.



## AC.00.001 WATER GUN

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**Weight:** 1,6 kg

**Length:** 670 mm

**Max. pressure:** 60 bar

**Max flow @ handle:** 120 l/min

**PERFORMANCES\*:**

**Full jet:** ~21 m;

**Fog jet:** ~10 m;

**Flow rate:** ~40 l/min. @ 40 bar.

Water gun, made in steel, brass and high resistance polymers.

\*Performances detected using a 70 l 40 bar motorpump, 50 m of Ø1/2" R1 hose, Ø4,0 mm nozzle.

## AC.00.002 HIGH PRESSURE WATER GUN

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**Weight:** 1,6 kg

**Length:** 720 mm

**Max. pressure:** 280 bar

**Max flow @ handle:** 30 l/min

**PERFORMANCES\*:**

**Full jet:** ~17 m;

**Fog jet:** ~9 m;

**Flow rate:** ~25 l/min. @ 100 bar

High pressure water gun, made in steel, brass and high resistance polymers.

\*Performances detected using a 42 l 100 bar motorpump, 50 m of Ø3/8" 1SC hose, Ø2,3 mm nozzle.

## AC.00.004 “FHP” WATER/FOAM GUN



**Weight:** 2 kg;  
**Length:** 785 mm;  
**Max. pressure:** 280 bar;  
**Max flow @ handle:** 50 l/min;

**PERFORMANCES\*:**

**Full jet:** ~22m;  
**Fog jet:** ~13m.  
**Foam jet:** ~12m;  
**Flow rate:** ~39 l/min. @ 70 bar.

High pressure water gun, made in steel, brass and high resistance polymers.

\*Performances detected using a 42 l 100 bar motorpump, 50 m of Ø3/8" 1SC hose, Ø4,0 mm nozzle, class A foam.

## AC.00.008 “QUADRIJET” WATER/FOAM GUN



**Weight:** 2,5 kg;  
**Length:** 600 mm;  
**Max. pressure (at the handle):**  
350 bar;  
**Max flow @ handle:** 45 l/min

**PERFORMANCES\*:**

**Full jet:** ~20m;  
**Fog jet:** ~12m.  
**Foam jet:** ~10m;  
**Blade jet:** n.d.;  
**Flow rate:** ~35 l/min. @ 100 bar.

The swiveling barrel is provided with a extensible, built-in foam diffuser that improves considerably the water/foam mixture.

This gun can be used to deliver only water or water/foam mixture. Made in steel, brass, high resistance polymers. On the front it has a special barrel, that can be rotated on its axis to change the jet type depending on the kind of effect needed.

The 4 different kind of jet are: full jet, fog jet, blade jet, foam jet.

\*Performances detected using a 42 l 100 bar motorpump, 50 m of Ø3/8" 1SC hose, Ø2,8 mm nozzle, class A foam.



**FIRECO**  
TELESCOPIC MASTS & FIRE EQUIPMENT

BAR

SERIAL  
[ ]

YEAR  
[ ]

0.0.0.1-9  
HOURS  
QUARTZ

10 12 14 16  
VOLT  
VOTRONIC

Lightbulb icon, Power icon, Target icon, Target icon, Crossed-out icon, Target icon

Pressure gauge handle and nozzle

Pressure gauge (0-250 bar)

VOTRONIC battery level indicator (0-100%)

Emergency stop button and other controls

PAN041



## **FULL OPTIONAL VERSION**

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The complete and full optional kit within Fireco range is equipped with PAN041 control panel: it is a simple and elegant HMI that allow the user to control all the kit functions and monitor all the parameters; it is available for High pressure kit with water, with FHP system and with FHPF system with flow rates  $\leq 70$  l/min.

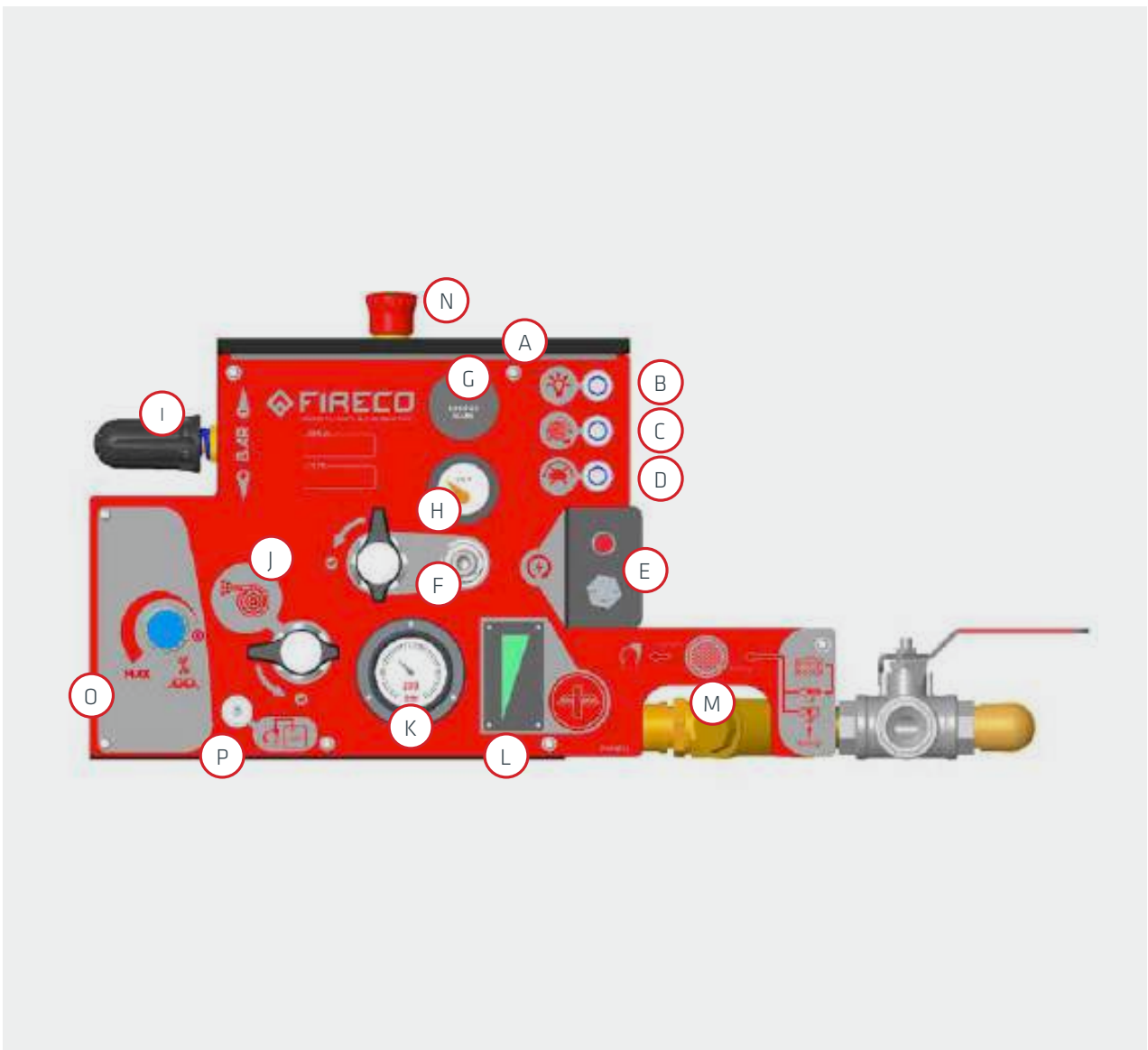


## FULL OPTIONAL VERSION

The high pressure kits can, upon request, be equipped with the control panel PAN041 with different features. It is available for High pressure kit with only water, with FHP system and with FHPF system.

The full optional version includes:

- Electrical hose reel
- Electrical LED water level indicator
- LED light strip
- Emergency engine switch off by-pass

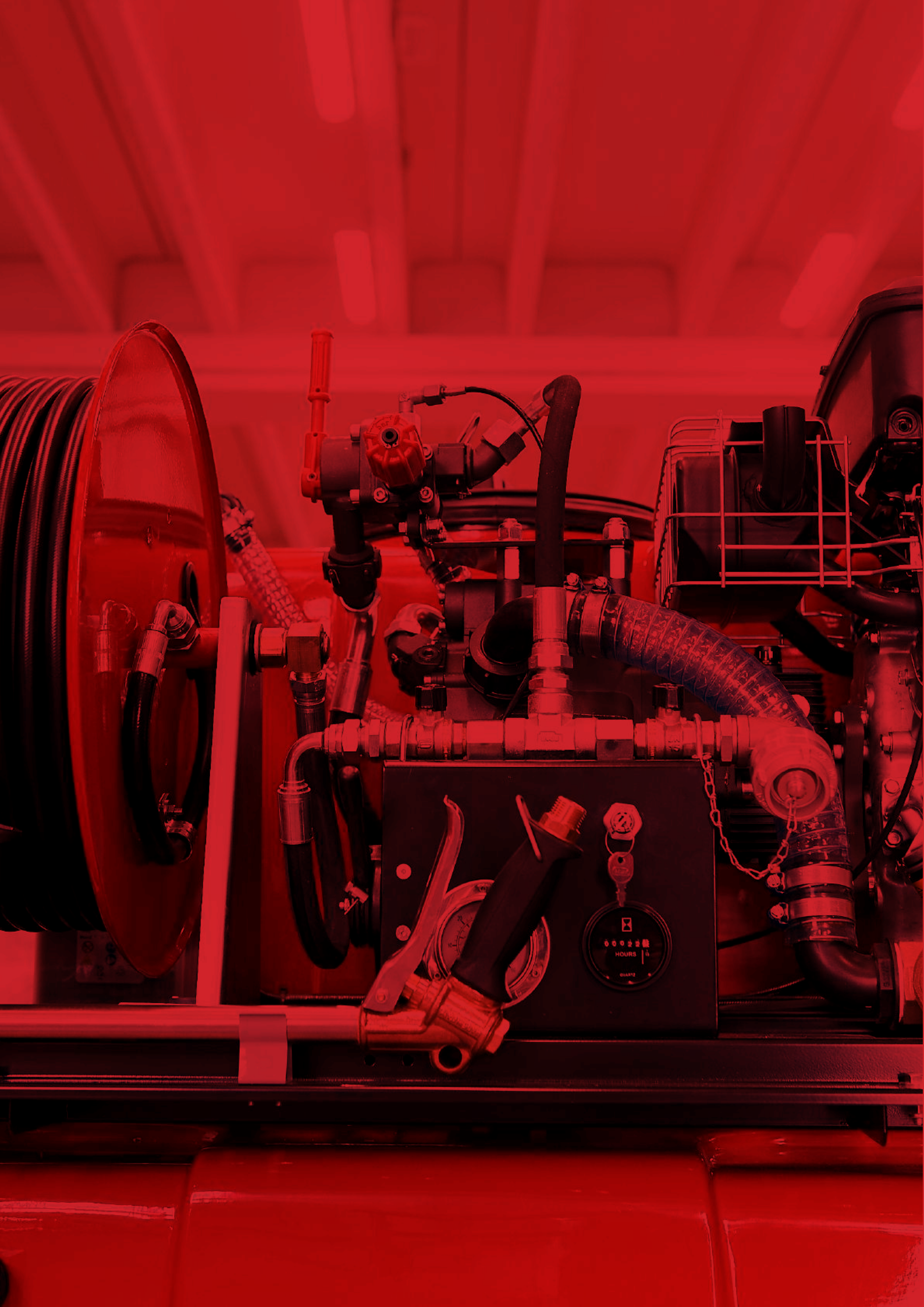


Note: The PAN041 control panel is available only for motorpumps with the following max values

- Flow rate: 70 l/min

- Pressure: 200 bar

A	LED STRIP LIGHT (OPTIONAL)	I	PRESSURE REGULATOR VALVE KNOB
B	LED STRIP ON/OFF (OPTIONAL)	J	MAIN HOSE REEL DELIVERY
C	ELECTRICAL HOSE REEL REWIND (OPTIONAL)	K	MANOMETER
D	EMERGENCY ENGINE SWITCH OFF BY-PASS (OPTIONAL)	L	TANK LEVEL LED INDICATOR (OPTIONAL)
E	KEY SWITCH	M	SUCTION FILTER AREA
F	FREE DELIVERY	N	EMERGENCY STOP (OPTIONAL)
G	HOUR COUNTER	O	FHP/FHPF SYSTEM
H	VOLTMETER (OPTIONAL)	P	FOAM INLET







## **ACCESSORIES**

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A wide range of accessories are available for our H.P. units, in order to customize it and make it more suitable to satisfy even the more demanding customers.



## ACCESSORIES



### AUTOMATIC THROTTLE

Device that allows the motor pump to be used without operating the engine accelerator: when the gun is opened, the engine automatically increases its speed (optional on diaphragm motor pumps/standard on piston pump).



### HYDRANT REFILL

Fitting mounted on the tank in order to refill the tank directly from a hydrant. ATTENTION: only for kits complete with tank.



### WORK LIGHT

Floodlight for better visibility during night operations.



### STATIC HOSE GUIDE FOR ELECTRIC HOSE REEL

Hose guide that helps rewinding the tube on the hose reel.



### HYDROJECTOR

Accessory that combined with the kit allows the rapid suction of large volumes of water, thanks to the out-put water flow of the pump (e.g. of use: emptying of cellars, filling of the tank, etc...).



### SUCTION KIT

Kit consisting of a standard coupling that can be connected to the suction line of the motor pump, in order to take the water from an external source.

## ACCESSORIES



### STORZ / UNI COUPLED SECOND DELIVERY KIT

Standard coupling according to STORZ 25D or UNI25 assembled on the second delivery of the motor pump (only for high flow motor pumps  $\geq 80\text{l}/1$  and with 1 single hose reel).



### ELECTRIC VISUAL LEVEL

Water tank level LED indicator (only for kits equipped with water tank and PAN041 panel).



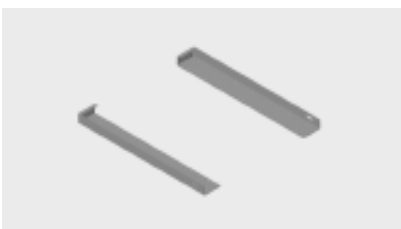
### TRANSPORTABLE HOSE REEL

Hose reel designed to be manually transported (max. 50 m of hose).



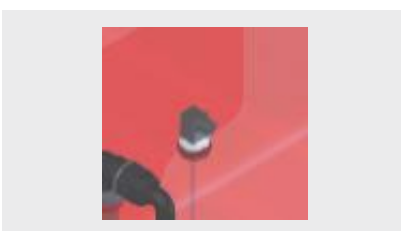
### HOSE EXTENSIONS

Hose extensions of various lengths, equipped with quick couplings (can be used also on the free delivery).



### QUICK FIXING SYSTEM

Metal rails for the correct and safe fixing of the high pressure kit. ATTENTION: the device becomes integral with the vehicle platform (only for kits complete with tank).



### EMERGENCY ELECTRICAL SWITCH - OFF

System that protects the main parts of the motor pump if the operator does not notice that the water in the tank is finished (only for kits complete with tank).



OUT

DBAR

FIRECO



PANO48

# 09

## **HIGH PRESSURE KIT CONFIGURATOR**

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The following configurator is meant as a little help for you in order to choose the correct combination of all the available parts and will permit you to virtually assemble your H.P. unit.



# HIGH PRESSURE KIT CONFIGURATOR

You can use the below table for the configuration of your kit.

## 1. TANK | TANK CAPACITY, SHAPE, MATERIAL

CAPACITY	SHAPE	MATERIAL	FOAM TANK L (ONLY FOR GRP)
100 l	CUBE/ATV	GRP	-
150 l	ATV	GRP	-
200 l	CUBE/ATV	GRP	20
350 l	L/T	GRP/STAINLESS STEEL	20 + 50
400 l	L/T	GRP/STAINLESS STEEL	30 + 40
450 l	T	GRP	25 + 50
500 l	L/T/CUBE	GRP/STAINLESS STEEL (ONLY L/T)	25 + 50
550 l	T	GRP	50
600 l	L/T/CUBE	GRP/STAINLESS STEEL (ONLY L/T)	30 + 50
1100 l	CUBE	GRP	100 + 200

\* l shaped tanks are available also reinforced in kevlar  
note: other stainless steel tanks available upon request

## 2. H.P. UNIT | PUMP AND ENGINE

MODEL L/' and BAR	ENGINE*	
	PETROL	DIESEL
55/40	X	X
71/40	X	X
81/50	X	-
105/50	X	X
132/20	X	X
42/100	X	X
42/150	X	X
34/170	-	X
21/250	-	X
50/100	X	X
70/90	X	-
60/100	x	-

\*Available also electric

## 3. SUCTION COUPLING TYPE

TYPE
STORZ
UNI
THREADED COUPLING

# HIGH PRESSURE KIT CONFIGURATOR

## 4. HOSE REEL

QUANTITY	LENGHT	ELECTRIC OR MANUAL
1	-	-
2	-	-

## 5. FOAM MIXING SYSTEM

YES
NO

## 6. ACCESSORIES

PAN 041
AUTOMATIC THROTTLE
HYDRANT REFILL
WORK LIGHT
STATIC HOSE GUIDE FOR ELECTRIC HOSE REEL
HYDROJECTOR
SUCTION KIT
STORZ/UNI COUPLED SECOND DELIVERY KIT
ELECTRIC VISUAL LEVEL
TRANSPORTABLE HOSE REEL
HOSE EXTENSIONS
QUICK FIXING SYSTEM
EMERGENCY ELECTRICAL SWITCH-OFF

## 7. NOTES/SPECIAL REQUESTS

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# 10

## **EXPLODED VIEWS, TECHNICAL DRAWINGS, CE, ORIGIN AND WARRANTY DECLARATIONS**

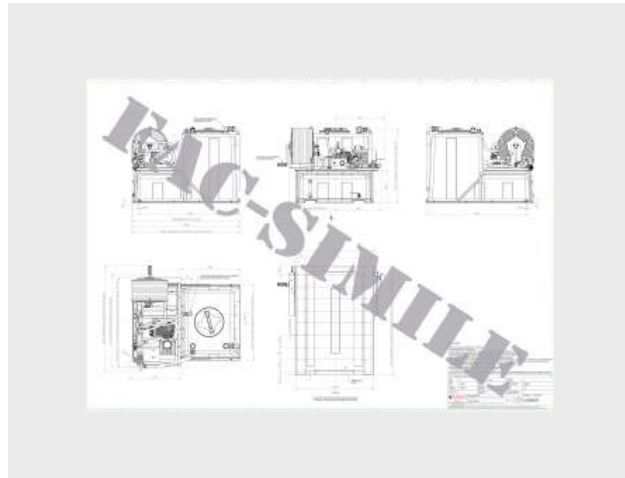
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Every unit made by Fireco will be supplied with the CE declaration of conformity and the Certificate of origin and warranty. The technical drawings and exploded views are made by our technical department with the most advanced softwares. 3D drawings are available upon request.



## TECHNICAL DRAWING

Technical drawings and exploded views are available for every Fireco product. If needed please contact the Sales department.



## CE DECLARATION OF CONFORMITY



## CERTIFICATE OF ORIGIN AND WARRANTY



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Any reference to regulations and laws is only indicative and is not binding. The technical information, like weight, dimensions etc., contained in this catalogue are mentioned only for reference purposes and may vary from what indicated. Non-standard and customized productions are available upon request. Please contact Fireco S.r.l. for spare parts, technical drawings, exploded views and any service request.







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ITALY

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**Fireco S.r.l.**

Via E. Fermi, 56 - 25064  
GUSSAGO (BS) - ITALY  
Tel.: +39 030 3733916  
Fax: +39 030 3733762  
info@fireco.eu  
www.fireco.eu

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USA

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**Fireco US**

1740 N Gateway Blvd  
FRESNO, CA 93727, US  
Tel.: +1 559 353-2823  
Fax.: +1 559 255-7012  
info@firecousa.com  
www.firecousa.com

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BELGIUM

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**Fireco Systems N.V.**

Diestersteeweg, 142  
3510 KERMT (HASSELT) - BELGIUM  
Tel.: +32 11851602  
Fax: +32 11851604  
info@fireco.be  
www.fireco.be

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MALAYSIA

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**Fireco Asia Sdn Bhd**

9, Jalan TP 3/2, Taman Perindustrian UEP  
47620 SUBANG JAYA - MALAYSIA  
Tel.: +603 8011 2300  
Fax: +603 8081 2367  
gc@fireco-asia.com  
www.fireco-asia.com

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FRANCE

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**Euromast S.a.r.l.**

ZA du Pontet - 90, Allée des Erables  
73420 DRUMETTAZ - CLARAFOND - FRANCE  
Tel.: +33 479349215  
Fax: +33 479349216  
fireco@euromast.fr  
www.euromast.fr

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AUSTRALIA

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**EVTA Group PTY LTD**

12 Meek Street,  
NEW GISBORNE, VICTORIA, 3438 - AUSTRALIA  
Tel.: +61 354207444  
Fax: +61 354207834  
info@evtagroup.com.au  
www.evtagroup.com.au

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SPAIN

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**Hiszamast, S.L.**

C/Estafío, 30  
28510 CAMPO REAL (MADRID) - SPAIN  
Tel.: +34 918733733  
Fax: +34 918765141  
info@hiszamast.com  
www.hiszamast.com