

Industrial Fire Brigade



Fire Protection Solutions

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OVERVIEW

Since 1977 SA Fire has been a leader in the manufacturing of fire equipment designed to cope with harsh environments and difficult fire hazards. Since then our fire equipment has been selected by many chemical and petrochemical companies to protect their personnel and equipment.

During these years, the company has worked closely with industrial fire brigades, learning from their experience and listening to their difficulties. Thus, resulting in a tailor-made design facility, providing each fire brigade with the best fire equipment to suit their specific fire needs. SA Fire manufactures mobile dry-chemical units, foam monitor trolleys, water guns and foam nozzles, in-line mixers, fire hoses and a special line of high performing portable and wheeled fire extinguishers. All fire equipment is designed and manufactured with extreme care in materials highly resistant to chemicals that ensure durability, high performance and reliability every time they are called for duty.

FIRE EXTINGUISHERS

PB100

One of the most appreciated items of fire equipment manufactured by SA Fire is the PB100. A wheeled fire extinguisher designed for the petrochemical industry with extraordinary technical characteristics.

Designed to be easy to maintain, it uses a hot dip galvanised carbon steel frame shaped to perfectly balance the whole extinguisher weight on the axis of the wheels. This makes the PB100 very easy to manoeuvre even by a single operator carrying the nominal fire extinguishing power of 100 kg of 88SA ABC-E 97 Powder.

The tank is hot-dip galvanised, inside and outside, with welded head plates manufactured according to ENI specification for wheeled fire extinguishers to be deployed in petrochemical industries. The extinguisher is propelled with Nitrogen, contained in a 27L bottle



charged at 200 bars and equipped with a gas admission-type reducer. The gun is fed by an oil resistant hose, allowing precise dry chemical powder delivery with provisions for balancing backpressure reaction forces. At present the PB 100 is the most used wheeled fire extinguisher within the Italian petrochemical industries.

AC20 AND AC30

AC20 and AC30 are wheeled CO₂ fire extinguishers of 18 kg and 27 kg respectively. Installed on a completely dismantlable galvanised trolley, they are provided with hard rubber wheels that allow easy climbing over obstacles. The delivery gun is derived from the PB100 giving the operator the possibility to open/close the discharge very easily.



PB12

One of the most appreciated portable extinguishers within the petrochemical industry is the PB12. A fire extinguisher with an internal CO₂ cartridge, charged with 88SA ABC-E 97 powder. Manufactured according to EN 3-7 and ENI/AGIP specifications it is extremely efficient on Class A, B and C fires.

PP6

Portable Powder extinguishers were conceived for the protection of offices and laboratories that require rapid and efficient intervention. Permanently pressurised, it has a 6 kg charge of dry chemical powder. The valve protection prevents unintentional activation due to accidental impacts and safeguards the valve body from consequential trauma. Moreover, the in valve protector turns fluorescent in the dark making it easier to identify the extinguisher during a fire emergency.



AC5

Portable Carbon Dioxide extinguisher, capacity 5 kg, conceived for the protection of offices and laboratories that require rapid and efficient intervention. The valve protection prevents unintentional activation due to accidental



impacts and safeguards the valve body from consequential trauma. Moreover, the valve protector turns fluorescent in the dark making it easier to identify the extinguisher during a fire emergency.



PORTABLE LINE MIXERS
LINE MIXERS SERIES ML- PORTABLE

Line mixers are manufactured in Bronze and can be provided with BSP threading or with UNI, BS336, DSP, SMS, NH and GOST quick connections.

Available for flow rates from 200 to 600 L/min at 7 bar they ensure perfect mixing in a pressure range between 4 and 12 bar.

PORTABLE FOAM BRANCH PIPES
SERIES LSBEP

Low-expansion branch pipes, Series LS are manufactured in AISI 304 or 316 stainless steel and with UNI or BS336, DSP, SMS, NOR, STORZ, NH, GOST brass fittings.



They are provided with a plastic handle for lifting and easy orientation. They are available in the self-suction version LSABEP that includes the Venturi tube and the control valve.

SERIES LSMEP

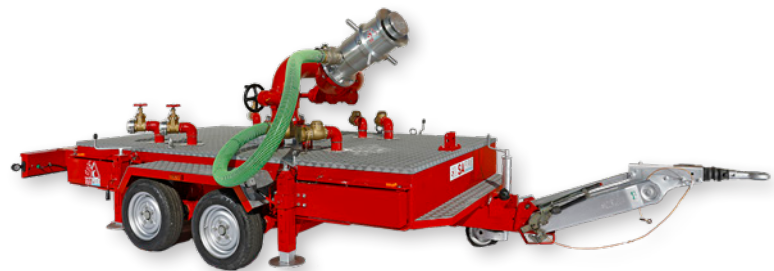
The medium-expansion foam branch pipes are suitable for firefighting in basins or in confined spaces. They are provided with UNI, BS336, NOR, STORZ, DSP, SMS, NH and GOST brass fittings. They are also provided with a plastic handle and are manufactured in AISI 304 or 316 to ensure high resistance against exposure to acidic atmospheres.



MOBILE FIRE EQUIPMENT

Mobile equipment has a significant role in high-risk industrial facilities.

They are designed to be pulled rapidly and can carry foam generation stations, monitors or true high-capacity dry-chemical systems.



Each trolley is provided with a self-supporting frame designed according to the weight and speed with which the equipment is to be pulled. The wheels can be provided with road-type tyres that allow good manoeuvrability also on bumpy sections.



Various versions are available, according to the customer needs, such as:

PORTABLE FOAM MIXING STATIONS

- Trolley-mounted monitors
- Powder systems

Upon request, the trolleys can be provided with firefighting hoses, foam generation tanks, pumps and mixing systems.

WATER SCREEN

Barrier-type water screens are devices used to create cold



paths or water barriers for protecting against fire irradiation. SA Fire manufactures portable water screens in die-cast aluminium designed

to create a 180-degree water barrier with variable flow rates. They are often supplied by means of flexible hoses and can be provided with UNI, BS336, DSP, NOR, STORZ, SMS, NH and GOST connections.





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