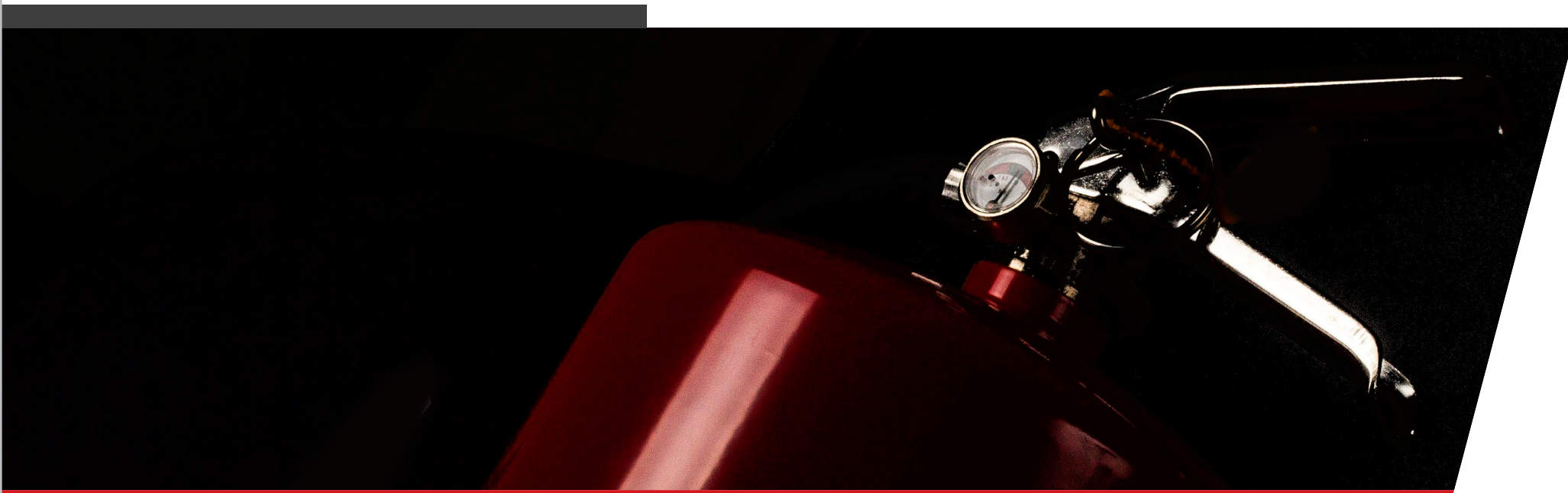




FIRE EXTINGUISHERS



THE HISTORY OF OUR FIRE EXTINGUISHERS





It all began in 1959 on cellar premises on Bergsgatan in Katrineholm. It was here that Gunnar Danielson began selling fire extinguishers and established a small service organisation that quickly grew.

The roots of Presto's fire extinguishers date back to the 1930s, but the manufacturing of Presto fire extinguishers as we know them today, began almost 50 years later, in 1978. Only two years later, the company exceeded SEK 10 million in turnover; ten years later turnover exceeded SEK 100 million, and the rest is, as we say, history...

Even though the small family company has grown into a multinational group, production still takes place in Katrineholm and operations are still run by the Danielson family. Today, production takes place in a state-of-the-art robotised production

facility – the only one of its kind in the entire Nordic region.

For many people, Presto is synonymous with fire extinguishers and they are available in all conceivable environments across Sweden and our neighbouring countries. Try counting the number of Presto fire extinguishers you may encounter in a single day and we promise you will quickly lose count!

Ever since the company started, technology and quality have been at the forefront of Presto's fire extinguishers and in recent years, environmental protection has also become a central part of our product portfolio. We oversee development and conduct testing ourselves granting us full control throughout the entire flow process; from the first sketch up to the installation of your fire extinguisher.

DRY POWDER EXTINGUISHERS

Powder extinguishers are the most versatile of extinguishers. They can be used to extinguish almost any kind of fire. Examples of areas of application: homes, cars, boats, caravans, and industries. A powder extinguisher is a type of hand-held fire extinguisher that has the best extinguishing effect in relation to its weight and is also the easiest to use.

Because powder does not conduct electricity, these extinguishers are safe to use on electrical installations up to 1,000 V. The powder is frost resistant and the extinguisher is operable from -30°C to +60°C.

Presto's powder extinguisher is equipped with a shut-off valve and is pressurised, which means that the extinguishing agent will discharge immediately after the safety pin is pulled out and the pressure handle is depressed.



Vehicle
mount
included

Model	Size	Classification	Note
PG2	2 kg	13A 89B C	With hose
P2GS	2 kg	13A 89B C	Without hose



Vehicle
mount
included

Model	Size	Classification
P2P	2 kg	13A 89B C



Vehicle
mount

Model	Size	Classification	Note
PG3	3 kg	21A 144B C	Excl. vehicle mount
PG3 (F)	3 kg	21A 144B C	Incl. vehicle mount



Vehicle
mount
included

Model	Size	Classification
PG4 (F)	4 kg	27A 233B C



Model	Size	Classification	Note
PG6	6 kg	55A 233B C	
PG6 (F)	6 kg	55A 233B C	Incl. Vehicle mount
PG6R	6 kg	55A 233B C	Stainless steel
P6GS	6 kg	43A 233B C	
P6GS (F)	6 kg	43A 233B C	Incl. Vehicle mount



Model	Size	Classification
PG9	9 kg	55A 233B C



Model	Size	Classification	Note
PG12	12 kg	55A 233B C	With foot ring
PG12R	12 kg	55A 233B C	Stainless steel
PG12UF	12 kg	55A 233B C	
P12GS	12 kg	55A 233B C	

ECO – A SERIES OF ENVIRONMENTALLY FRIENDLY FIRE EXTINGUISHERS

Presto Eco Powder Extinguishers are manufactured with the aim of reducing their environmental impact to the best extent possible. Our product assortment includes AB foam extinguishers with a minimum amount of fluorosurfactants and A foam extinguishers without any trace of fluorosurfactants, which, despite this, still have a very good extinguishing effect. Presto's Eco foam extinguishers are environmentally certified, as evidenced by the Milieukeur Eco-label.

For hand-held fire extinguishers, this is currently the leading eco-label in Europe, and it is the SMK (Stichting Milieukeur) in Holland that has designed and established the requirements. The focus is to promote the development of less environmentally harmful products. Among other things, one of the requirements is that the maximum permitted amount of fluorosurfactants should constitute no more than 0.04% of the total amount of extinguishant.

ECO FOAM EXTINGUISHER

Presto's fire extinguishers are manufactured to provide a high extinguishing effect on fires from solid materials that normally smoulder. Examples of such materials are wood, fabric, plastics, paper or car tyres and fire from combustible liquids, such as petrol, diesel, etc.

Foam extinguishers are suitable for offices, industrial buildings, public facilities, schools, hospitals, hotels, barns and all types of housing where you wish to avoid pollution. Presto's modern foam extinguisher program includes the highest rated models with an extinguishing effect that is in parity with powder extinguishers, so the amount of extinguishant may not necessarily be greater than that of powder extinguishers.

Presto's fire extinguishers are equipped with a shut-off valve and are pressurised, which means that the extinguishant is immediately discharged once the safety pin is pulled out and the pressure handle is depressed.



Model	Capacity	Classification
S6 Eco*	6 litres	21A 183B
S6 Eco Pro	6 litres	27A 183B
S6 Eco Plus	6 litres	34A 183B
S6 Eco Ultra	6 litres	43A 183B
S6 Eco Green	6 litres	43A

*Non-stock item



Model	Capacity	Classification
S9 Eco*	9 litres	27A 233B
S9 Eco Pro	9 litres	34A 233B
S9 Eco Plus	9 litres	43A 233B
S9 Eco Ultra	9 litres	55A 233B
S9 Eco Green	9 litres	55A

*Non-stock item

CARBON DIOXIDE EXTINGUISHERS

Extinguishers with carbon dioxide (CO₂) as the extinguishant are intended to extinguish fires from liquids, gases and electrical equipment. Since carbon dioxide provides a clean form of extinguishing, these extinguishers are particularly suitable for use in environments such as kitchens, laboratories, switchgear rooms, precision engineering industries, computers and electrical equipment.

Carbon dioxide extinguishers can handle temperatures below the freezing point and can therefore be located both indoors and outdoors. Because carbon dioxide does not conduct electricity, these extinguishers are safe to use on electrical installations up to 1,000 V.

Presto's carbon dioxide extinguishers are equipped with a shut-off valve and are pressurised, which means that the extinguishant is immediately discharged once the safety pin is pulled out and the pressure handle is depressed.



Model	Size	Classification
K2	2 kg	34B



Model	Size	Classification
K5	5 kg	89B

SPECIALLY ADAPTED FIRE EXTINGUISHERS



METAL FIRE EXTINGUISHER

A fire from metal requires special extinguishants as a reaction with water, air or chemicals may otherwise result in a fire with extremely high temperatures. Presto's metal fire extinguishers have been created to effectively extinguish fires from metals such as magnesium, sodium and aluminium.

Type	Size	Classification
P12M	12 kg	D



FREEZE-RESISTANT FOAM EXTINGUISHER

Presto freeze-resistant foam extinguishers in the K-30 series are designed to be stored at below zero and down to -30°C temperatures, unlike conventional foam fire extinguishers that are only operational at between 5°C and 60°C . The extinguishers are classified for both A and B fires.

Type	Size	Classification
S2K-30	2 litres	5A 55B 15F
S6K-30	6 litres	21A 144B
S9K-30	9 litres	27A 183B



COOKING FAT FIRE EXTINGUISHER

The cooking fat fire extinguisher puts out fires from cooking fat, F-fires, but also fires from paper, fabric and other fibrous materials. The extinguisher is suitable for all kitchens where there are fryers and multi-purpose cooking pans or other equipment where large amounts of food fat are present.

Type	Size	Classification
F6	6 litres	21A 113B 75F



PRACTICE EXTINGUISHER

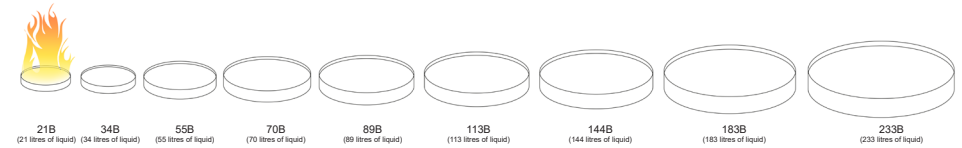
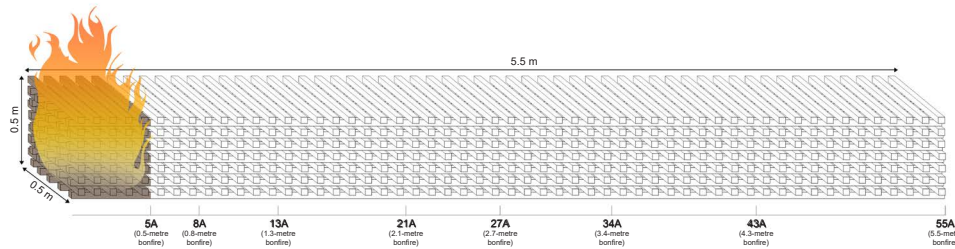
Fire extinguishers for practicing extinguishing. Since the content is just regular water, no residue will be left after extinguishing. Otherwise, the fire extinguisher is manufactured in the same way and with the same high quality as the rest of our product range.

Type	Size
Water	9 litres

TECHNICAL DATA

Item no.	Designation	Type	Classification	Amount of extinguishant	Extinguishant	Tank material	Dimensions (H x W x D)	Weight	Discharge time
1810	PG2	Dry powder extinguisher	13A 89B C	2 kg	Prestolit ABC	Steel	415 x 137 x 100 mm		10 seconds
1811	P2GS	Dry powder extinguisher	13A 89B C	2 kg	Prestolit ABC	Steel	415 x 137 x 100 mm		10 seconds
181200	P2P	Dry powder extinguisher	13A 89B C	2 kg	Prestolit ABC	Steel	418 x 150 x 125 mm		15 seconds
171200	PG3	Dry powder extinguisher	21A 144B C	3 kg	Prestolit ABC	Steel	437 x 157 x 140 mm		17 seconds
171100	PG3 (F)	Dry powder extinguisher	21A 144B C	3 kg	Prestolit ABC	Steel	437 x 157 x 140 mm		17 seconds
210400	PG4F	Dry powder extinguisher	27A 233B C	4 kg	Prestolit ABC	Steel	525 x 180 x 150 mm		17 seconds
190100	PG6	Dry powder extinguisher	55A 233B C	6 kg	Prestolit Ultra Plus	Steel	525 x 180 x 150 mm		17 seconds
190200	PG6 (F)	Dry powder extinguisher	55A 233B C	6 kg	Prestolit Ultra Plus	Steel	525 x 180 x 150 mm		17 seconds
193300	PG6R	Dry powder extinguisher	55A 233B C	6 kg	Prestolit Ultra Plus	Stainless steel	525 x 180 x 150 mm		17 seconds
1911	P6GS	Dry powder extinguisher	43A 233B C	6 kg	Prestolit ABC	Steel	525 x 180 x 150 mm		17 seconds
1912	P6GS (F)	Dry powder extinguisher	43A 233B C	6 kg	Prestolit ABC	Steel	525 x 180 x 150 mm		17 seconds
2209	PG9	Dry powder extinguisher	55A 233B C	9 kg	Prestolit ABC	Steel	565 x 198 x 185 mm		22 seconds
2002	PG12	Dry powder extinguisher	55A 233B C	12 kg	Prestolit ABC	Steel	600 x 200 x 190 mm		27 seconds
2033	PG12R	Dry powder extinguisher	55A 233B C	12 kg	Prestolit ABC	Stainless steel	590 x 200 x 190 mm		27 seconds
2003	PG12UF	Dry powder extinguisher	55A 233B C	12 kg	Prestolit ABC	Steel	590 x 200 x 190 mm		27 seconds
2012	P12GS	Dry powder extinguisher	55A 233B C	12 kg	Prestolit ABC	Steel	590 x 200 x 190 mm		27 seconds
290641	S6 Eco	Foam extinguisher	21A 183B	6 litres	P Foam	Steel	520 x 240 x 160 mm	9.5	42 seconds
290664	S6 Eco Pro	Foam extinguisher	27A 183B	6 litres	P Foam Pro	Steel	520 x 240 x 160 mm	9.5	42 seconds
290642	S6 Eco Plus	Foam extinguisher	34A 183B	6 litres	P Foam Plus	Steel	520 x 240 x 160 mm	9.5	42 seconds
290643	S6 Eco Ultra	Foam extinguisher	43A 183B	6 litres	P Foam Ultra	Steel	520 x 240 x 160 mm	10	42 seconds
290644	S6 Eco Green	Foam extinguisher	43A	6 litres	P Foam Green	Steel	520 x 240 x 160 mm	10	42 seconds
290945	S9 Eco	Foam extinguisher	27A 233B	9 litres	P Foam	Steel	565 x 250 x 185 mm	14	61 seconds
290965	S9 Eco Pro	Foam extinguisher	34A 233B	9 litres	P Foam Pro	Steel	565 x 250 x 185 mm	14	61 seconds
290946	S9 Eco Plus	Foam extinguisher	43A 233B	9 litres	P Foam Plus	Steel	565 x 250 x 185 mm	14	61 seconds
290947	S9 Eco Ultra	Foam extinguisher	55A 233B	9 litres	P Foam Ultra	Steel	565 x 250 x 185 mm	14.5	61 seconds
290948	S9 Eco Green	Foam extinguisher	55A	9 litres	P Foam Green	Steel	565 x 250 x 185 mm	14.5	61 seconds
290600	S6K-30	Frost-protected foam extinguisher	21A 144B	6 litres	P Foam -30	Steel	520 x 240 x 160 mm	9.5 kg	42 seconds
29096	S9K-30	Frost-protected foam extinguisher	27A 183B	9 litres	P Foam -30	Steel	565 x 250 x 185 mm	13.5 kg	61 seconds
1102	K2	Carbon dioxide extinguisher	34B	2 kg	Carbon dioxide CO ₂	Aluminium	550 x 265 x 120 mm		10 seconds
1201	K5	Carbon dioxide extinguisher	89B	5 kg	Carbon dioxide CO ₂	Aluminium	670 x 360 x 152 mm		10 seconds
12011	K5 (non-magnetic)	Carbon dioxide extinguisher	89B	5 kg	Carbon dioxide CO ₂	Aluminium	670 x 360 x 152 mm		10 seconds
290500	F6	Cooking fat fire extinguisher	21A 113B 75F	6 litres	Fatseal + water	Steel	520 x 240 x 160 mm	10.2 kg	56 seconds
2050	P12M	Metal fire extinguisher	D	12 kg	Prestolit D	Steel	610 x 370 x 190 mm		35 seconds
101721		Practice extinguisher	-	9 litres	Water	Steel			

WHAT IS THE CLASSIFICATION OF FIRE EXTINGUISHERS?



The design of the label on a fire extinguisher follows clear directives. The type of fire extinguisher should be clearly visible by looking at the top of the label located at the front of the extinguisher. Below the type, there is a known classification indicating how the fire extinguisher will affect different types of fires. For example, a standard classification on a powder extinguisher could be 43A 233B C. The classification is determined by the SS-EN 3-7 standard.

A stands for the extinguisher's effect on fires from fibrous materials, B for fires from liquids and C for gas fires. In the

figure above, the classification and associated numbers shown are based on "classification bonfires" that the A and B extinguishers must put out in order to fulfil the classification. The classification bonfire for an A fire is a height of 5 dm and a depth of 5 dm and consists of stacked wooden rods. For example, in order to achieve class 43A, the fire extinguisher must put out a wood fire that is 43 dm in length. For B fires, sheet metal vessels filled with a combustible liquid mixture consisting of heptane and water are used instead. In this case, the figure represents the number of litres of liquid in the vessel; e.g. 183 litres.

For gas fires, no number is provided for the effect, but only the letter C if the extinguisher is suitable for use on gas fires. The same applies to metal fires labelled with the letter D.

There is also a classification for cooking fat fire extinguishers with the designation F. As with the classification fire for B fires, sheet metal vessels with varying volumes (5 to 75 litres) are used to determine the capacity of the extinguisher. The vessels are filled with vegetable oil that is ignited.



Smoldering fire, fire from porous materials such as wood, textiles and paper



Fire from liquids and oils



Gas fire



Metal fire



Cooking fat fire

DESIGN AND WARRANTY

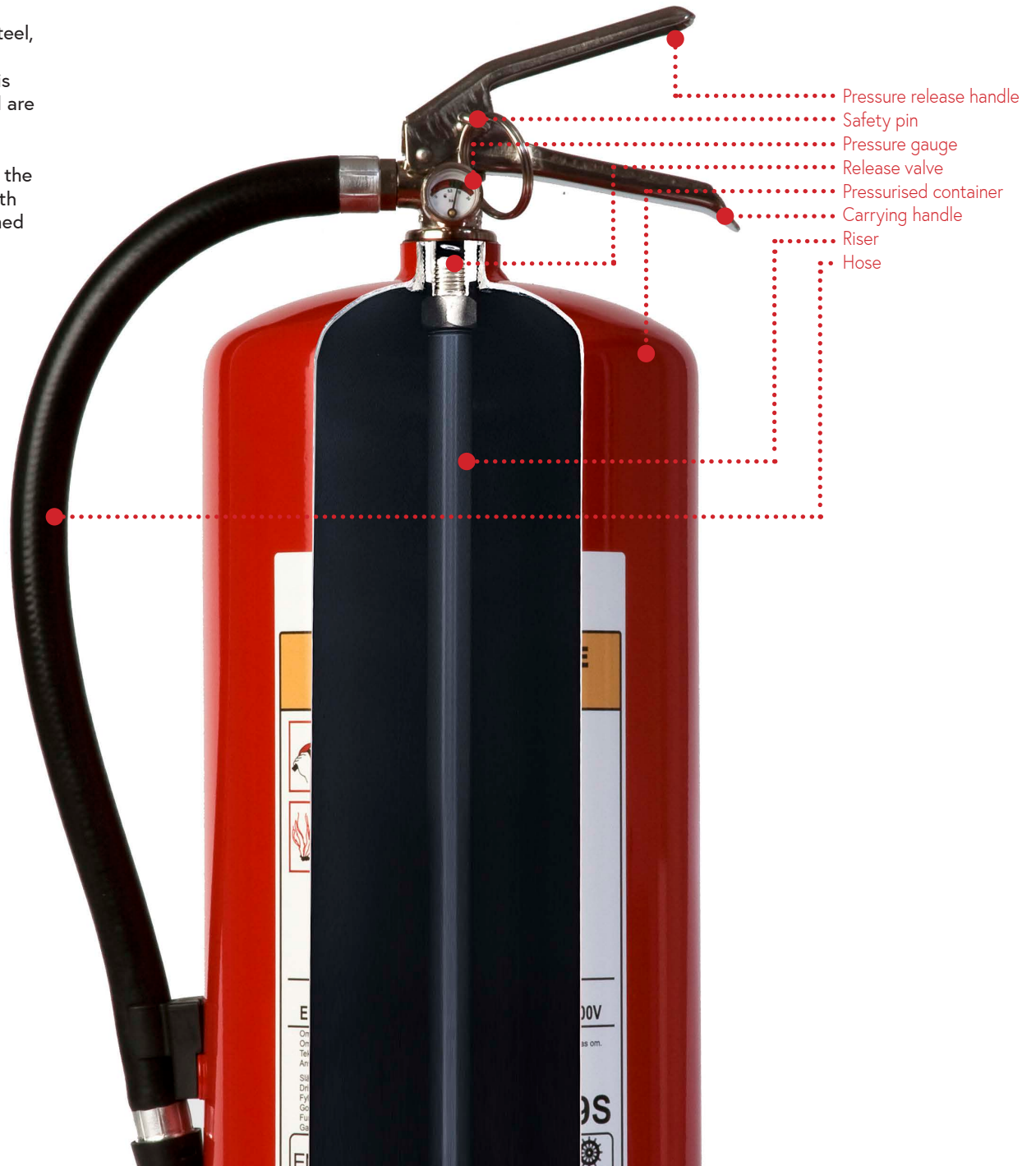
Depending on the model, the extinguishant container is made of sheet steel, stainless steel or aluminium. After manufacture, each tank is individually test pressurised and test results are stamped into the casing. The valve is made of brass and the handles are of stainless steel (GS series only) and are perfectly suitable for corrosive environments, etc.

The valve can be shut-off and fitted with a safety device that triggers in the event of an adverse overpressure. This fire extinguisher is pressurised with nitrogen (except for carbon dioxide extinguishers) and is specially designed for shaky, vibrating and corrosive environments.

Each extinguisher comes with standard wall mount hinges, but selected models are also available with vehicle holders.

All Presto fire extinguishers have been CE marked, confirming their level of safety. They are also approved in accordance with the SS-EN 3-7 standard, which is common for Europe. The fire extinguishers are tested for correct function by an inspection body (e.g. DNV).

Presto extinguishers come with a 5-year warranty (2 years for the GS series) against material and manufacturing defects. In order for the warranty to apply, an inspection should be conducted once a year as per the instructions on the label of the extinguisher. After use, the fire extinguisher must be recharged using only original spare parts. Only Presto or an authorised dealer should do this.



EXTINGUISHANT

POWDER

Powder is primarily used in hand-held fire extinguishers. For industry and emergency services, as well as at airports and in the armed forces, it is also used in fixed or mobile extinguishers. To a lesser extent, it also occurs in fixed extinguishing systems.

Primarily, the extinguishing ingredient in powder is ammonium hydrogen phosphate. Powders based on ammonium phosphate put out A, B and C fires. Earlier, it was also based on sodium hydrogen carbonate and potassium hydrogen carbonate. However, this has decreased since such powder only puts out B and C fires.

A fire is extinguished by the powder interrupting the combustion process. This is accomplished through cooling, suffocation and a chemical process called negative catalysis. The ABC powder also melts and forms a protective layer of glow-forming material. The layer prevents re-ignition since the air is prevented from reaching the glow formation. When the powder is sprayed against the fire, a powerful powder cloud is formed which quickly covers and is partially sucked into the fire. The shielding effect of the powder protects the operator from radiant heat.

The extinguishing powder is frost resistant and does not conduct electricity.

One disadvantage with powder may be the need for environmental remediation after an extinguishing effort. But often the need for environmental remediation caused by the actual fire is significantly greater. Powder in combination with moisture is highly corrosive and may cause damage to unprotected metal surfaces. However, one does avoid damage from moisture. From what we know so far, powder is safe for nature and humans, but because of the very finely dispersed grains in the powder cloud this can be irritating to the eyes and mucous membranes.

FOAM

The extinguishant in traditional foam consists of substances that lower the surface tension so that the extinguishant can penetrate the burning material and, for AB foam, settle as a film over a burning fluid and smother the fire. When the fire extinguishing foam is sprayed on the source of the fire, it flows out and smothers the fire while cooling down the burning object/substance. The foam then remains as a seal preventing re-ignition.

Primarily, the extinguishant in Presto's A foam extinguisher is a highly effective wetting agent that thanks to its low surface tension rapidly penetrates deep into the material. It evaporates quickly and extinguishes through cooling, but also leaves a micro layer that prevents re-ignition.

CARBON DIOXIDE

Carbon dioxide is primarily used as an extinguishant in hand-held fire extinguishers and fixed extinguishing systems. It can also be found in mobile fire extinguishers. It is a colourless, non-toxic gas with a slightly acid taste and somewhat ticklish smell. The chemical name is CO₂. The gas is approximately 1.5 times heavier than air, and it is chemically neutral and non-conductive.

At normal temperature and atmospheric pressure, carbon dioxide is gaseous. At temperatures below -78°C, it becomes solid in the form of carbon dioxide snow or dry ice. When compressed, it condenses into liquid form.

Carbon dioxide quenches by keeping oxygen away from the fire (smothering). It also acts through a chemical process called negative catalysis that interrupts the combustion process. To some extent, the cooling effect also contributes to extinguishing the fire.

The advantage of carbon dioxide as an extinguishant is that it is gaseous and therefore can spread into inaccessible areas. It does not leave any residue and it is not electrically conductive, allowing it to be used directly on live equipment.

The risk of carbon dioxide is that it is suffocating and that it affects breathing. Suffocation can occur without warning due to the gas displacing the oxygen in the air. It affects the respiratory rate so that at higher levels of concentration a state of shock occurs during which breathing stops. The inhalation of cold gas may cause lung damage and contact may also lead to severe frost-bite.

EXTINGUISHANT FOR COOKING FAT FIRES

(FATSEAL)

Fatseal is a high-performance fire extinguishant against fires from food-preparation oils. The difficulty in extinguishing such fires has been highlighted in the European Standard for the Classification of Fires (SS-EN 2). In this context, fires from vegetable and animal oils used for food preparation have been assigned a separate classification, namely fire class F. Fatseal, however, also has a good effect on fires from wood, fabric and paper, so-called A fires.

Fatseal, the extinguishant for fats, consists of a potassium-based saline solution that technically reacts with the cooking fat providing a multiple extinguishing effect. Together with the cooking fat, the liquid forms a soapy froth that covers the source of the fire. This serves to both put out the fire and prevent re-ignition. The water in the liquid vaporises, cooling the fat and sheet metal surfaces. Additional cooling is achieved when the saline solution reacts with the fat and forms carbon dioxide.

Because of its low surface tension, the extinguishant can even penetrate minuscule cracks and cavities. Consequently, do not delay cleaning after spillage or extinguishing. Use a wet vacuum cleaner or absorbent, e.g. sand, sawdust or conventional absorbents. Use a dampened cloth to wipe dry.

Ready-mix fatseal in a hand-held fire extinguisher, for example, must not be exposed to temperatures below 0°C.

STORAGE



Presto extinguisher cabinet

For mounting on a wall or vehicle. Can also be mounted outdoors. Made of polypropylene.

Item no.	Dimensions (H × W × D)	Type of extinguisher
100139	675 × 310 × 250 mm	6 kg
100597	675 × 310 × 250 mm	9 L/12 kg



Vehicle extinguisher cabinet Standard

Steel plate cabinet for use in vehicle. Made of galvanised steel plate and equipped with a draw-bolt catch that can be complemented with a padlock.

Item no.	Dimensions (H × W × D)	Type of extinguisher
4355	600 × 250 × 200 mm	6 kg



Presto extinguisher cabinet in sheet metal

Can be sealed. Made from galvanised painted sheet metal.

Item no.	Dimensions (H × W × D)	Type of extinguisher
102450	660 × 295 × 290 mm	6/9/12 kg



Jonesco extinguisher cabinet

For mounting on a wall or vehicle. Can also be mounted outdoors. Made of polyethylene.

Item no.	Dimensions (H × W × D)	Type of extinguisher
4358	700 × 320 × 255 mm	6 kg
4359	830 × 330 × 330 mm	9 L/12 kg



Presto extinguisher cabinet in sheet metal

Can be sealed. Made from galvanised painted sheet metal.

Item no.	Dimensions (H × W × D)	Type of extinguisher
102526	630 × 250 × 200 mm	6 kg



*Location of 5 kg

Presto Transparent extinguisher cabinet

For wall mounting. Made of ABS and transparent polycarbonate. There is room for a 5 kg carbon dioxide extinguisher in the cabinet if the hose is placed as shown in the illustration.*

Item no.	Dimensions (H × W × D)	Type of extinguisher
104318	800 × 240 × 240 mm	5 */6/9/12 kg



Vehicle extinguisher cabinet in glass fibre

Plastic cabinets for vehicles and vessels made of impact resistant, weatherproof glass fibre plastic. The door is fitted with a tight sealing strip making the cabinet completely waterproof. Locks and hinges are made of stainless steel. Can be complemented with padlocks.

Item no.	Dimensions (H × W × D)	Type of extinguisher
4350	660 × 250 × 200 mm	6 kg
4352	800 × 300 × 230 mm	12 kg

ACCESSORIES AND SPARE PARTS



A Presto fire extinguisher is designed to have a long service life. Consequently, we stock accessories and spare parts for our fire extinguishers in the event they need to be complemented or if any component were to break.

Create value out of risk™



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