

Powder Fire Extinguisher kg 12 for Class “D” Fire with Low Velocity Discharge Applicator CE marked, there is no classification in EN3 for D class fires

The 13172_6 extinguisher contains powder which is suitable for fires involving **lithium**.

Unique lance applicator designed to allow the powder to fall gently over the fire.

Highly effective against metal fires, which include fires caused by **sodium, magnesium** and **aluminium** when in the form of powder or swarf.

Cylinder, CE marked PED 97/23/EC

The design cylinder is manufactured according to UNI EN 3-3 and DIR 97/23/EC, the welding process and the welders' qualification is made according to the EN 288 and EN 1418, which require for each batch bursting and crush test at 26 bar. The cylinder is made in 3 pieces with two domes (upper and lower) steel type DD12, one cylindrical shell, steel type DD12 and the neck gear steel type S235J2G3.

The cylinder is sand blasted with metallic sand and painted with epoxy-polyester powder Red color Ral 3000 resistant to the all weather and to the ultraviolet rays.

Valve M30x1,5 squeeze lever

The valve is made in brass (STCW617N) nickel plated and it passed all the requirements of the directive 97/23/EC. With safety valve and complete with a green safety seal to improve the optical check from far.

Only a simple glance is enough to check if the extinguisher has been tampered.

Pressure gauge

Pressure gauge is made in brass, the thread is M10x1 with o-ring for easy unscrew to check the real internal pressure any time without need of tools.

If the indicator is in the green field, the extinguisher is ready to be used. If the indicator is in the red field, call immediately the authorized service staff.

Lance applicator for class “D” powder

To prevent splashing of the molten metal these extinguishers are fitted with a low velocity applicator cup 1.5 m in length, this provides a degree of safety to the person operating the extinguisher.

Equipped with a highly flexible hose made in EPDM rubber with an excellent resistance manufactured from selected synthetic materials complete with a not combustible rigid extension aluminium discharge nozzle which allow to have the best performance, not approaching too much.

Extinguishing agent



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Use **D FAVORIT M** Dry Powder on "Class D" specialist metal fires - particularly those involving Alkali metals such as Sodium, Potassium, Magnesium and Aluminium when in the form of swarf or powder (Note: **D FAVORIT M** is suitable for Lithium fires).

The unique lance applicator is designed to allow the powder to fall gently over the fire to prevent burning material from spreading.



Certificate of conformity
Powders for D class fire

D FAVORIT M is a Dry Powder fire extinguisher based on Sodium Chloride that has been treated with flow and moisture repellent additives.

D FAVORIT M extinguishes metal fires by fusing the powder to form a crust, which then excludes oxygen from the surface of the molten metal.

The addition of a specific agent prevents the powder from sinking into the surface of the molten metal.

Powder **D FAVORIT M** tested by **MPA Dresden** Certificate of Conformity reference number KB 116/13 with portable EN3 fire extinguishers, equipped with a class D fire applicator:

- Fire test object **Magnesium acc.** to annex NA of DIN EN 3-7 with 12 kg powder.
- Fire test object **Sodium acc.** to annex NA of DIN EN 3-7 with 12 kg powder.
- Fire test object **Lithium** (without specification) with 12 kg powder.

Instruction for use

- 1) Read instruction plate before use to ensure that you have selected the correct extinguisher for the fire you intend to fight.
- 2) Pull out safety pin firmly (this will be held in by an anti-tamper seal). Note: There is a short time delay with this type of extinguisher due to the low velocity applicator design.
- 3) Apply the powder via low velocity applicator by slow circular movements over the burning metal, keeping out of the smoke products.
- 4) Ensure that the extinguisher is located close to the work area and 'operators' are trained in the use of the extinguisher.

Technical specifications

Extinguishing agent : powder **D FAVORIT M**
 Propellant : nitrogen or dry air
 Nominal charge : 12 Kg
 Discharge time ~ : 25 sec
 Operating pressure : 10 bar at 20°C
 Test pressure according 97/23/EC : 26 bar

Burst pressure : >55 bar
 Temperature range : -30°C +60°C

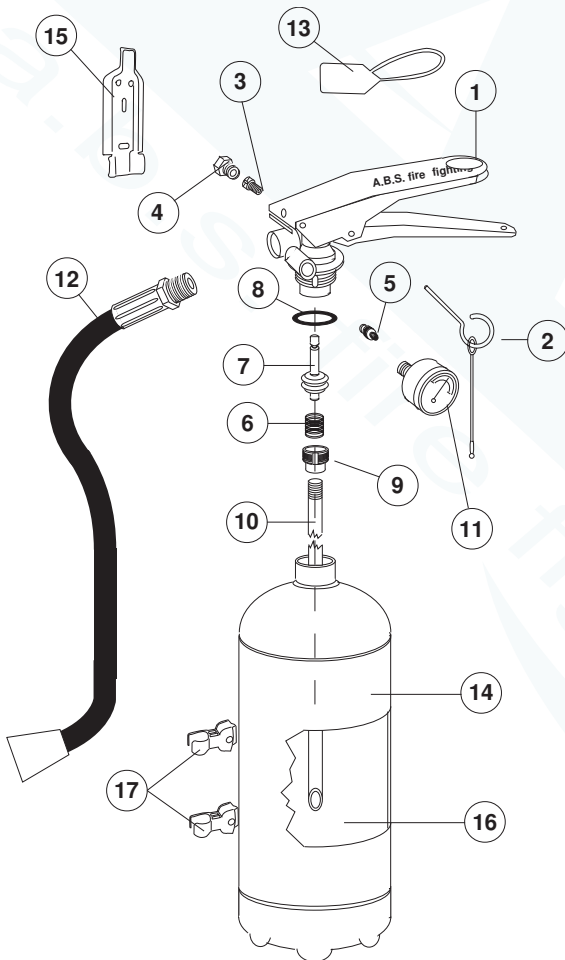
Dimensions

Height ~ : **660 mm**
 Width ~ : **310 mm**
 Diameter ~ : **190 mm**
 Weight ~ : **17.9 kg**



Certificate of conformity
 Powders for D class fire

Spare part list



Pos.	Description	Code	Q.ty
1	Complete valve	21810	1
2	Safety pin	21018	1
3	Safety valve (optional)	21022	1
4	Safety nut (optional)	21019	1
5	Check valve	21025	1
6	Spring	21094	1
7	Spindle	21027	1
8	O-ring of valve	21044	1
9	Siphon nut	21095	1
10	Siphon tube PVC	21709	1
11	Pressure gauge Ø 35	20532_1	1
12	Discharge hose Class "D" applicator	21136	1
13	Safety seal	28019	1
14	Cylinder (13,4 lt)	27503	1
15	Extinguisher bracket	20052	1
16	Powder D Favorit M	31100	12 kg
17	Magnet	20104	2

OPTIONAL



The use of non original spare parts may cause malfunctions loss

Maintenance and Guarantee

Maintenance must be made periodically by, trained and certified staff, according to the local regulations of the country where it is located. The extinguisher is guaranteed for 12 months from the date of the supply. The guarantee includes, repairing or replacement, as manufacturer option. Unit must be sent back to the factory free of charge, only when authorized written agreement with our sales office has been reached. The guarantee expires in case of tampering and bad maintenance made by not-authorized staff, or transport damages. It must be recharged only by staff authorized and certified by **a.b.s. S.r.l.**, use only genuine original spare parts.

CERTIFICATE OF CONFORMITY – POWDERS FOR CLASS D FIRES

Certificate of conformity reference number: **KB 116/13**

Test specification: - EN 615 : 2009; except for clause 8, fire test performance
- national annex NA of DIN EN 3-7 : 2007, class D fire rating

Test report no.: 2013-F-0053/Rü 20

Requested by: RÜHL FEUERLÖSCHMITTEL GmbH, Hugenottenstraße 105, 61381 Friedrichsdorf

Manufacturer: RÜHL FEUERLÖSCHMITTEL GmbH, Hugenottenstraße 105, 61381 Friedrichsdorf

Product name: D Favorit M

Suitability for fire classes: D in accordance with EN 2

Test fire performance: Proof with portable EN 3 fire extinguishers, equipped with a class D fires applicator:
Fire test object Magnesium acc. to annex NA of DIN EN 3-7 with 12 kg powder
Fire test object Sodium acc. to annex NA of DIN EN 3-7 with 12 kg powder
Fire test object Lithium (without specification) with 12 kg powder

Notes:

Conformity to the above mentioned test specification is attested. All applicable requirements have been met.

This certificate of conformity is valid solely for fire extinguishing powders which correspond to the submitted test samples and to the confirmed documents.

Certificates of conformity of fire extinguishers are solely valid in conjunction with the fire extinguishing powder the type test of the fire extinguisher has been done with.

This certificate of conformity does not include surveillance.

28th May, 2013


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D Favorit M

D Fire Extinguishing Powder
Certificate of Conformity Ref. N°: KB 116/13

Description **D Favorit M** is an effective special fire extinguishing powder for metal fires with outstanding efficiency in fire class D. The active fire extinguishing ingredients of **D Favorit M** are alkali chlorides. Organic additives allow the powder to form a cover on the surface of the combustible metal which adheres immediately and remains impermeable to air. A dense fusion crust is formed by high combustion temperatures.

Application **D Favorit M** is perfectly suitable to extinguish class D fires (metal fires) according to DIN EN 2. E.g. fires of alkali metals (lithium, potassium, sodium) and light metals (aluminium, magnesium and their alloys).

Technical Data	D Favorit M
Density	approx. 2.10 g/ml
Apparent density (EN 615)	1.00 g/ml \pm 0.04 g/ml
Sieve analysis (EN 615 method 2):	
> 40 μ m	60 % \pm 8 %
> 63 μ m	45 % \pm 8 %
> 125 μ m	10 % \pm 5 %
Chemical composition:	
Alkali chlorides	90 % \pm 3 %
Temperature stability	-80°C to +90°C

Recommendations for storage **D Favorit M** should be stored dry in the original packing, hermetically sealed.
Max. stacking height: 1.5 m
Stored at temperatures between 0°C and +45°C the product is stable for 5 years.

Certificate of Conformity **D Favorit M** is tested by the accredited test laboratory and officially approved test centre of MPA Dresden GmbH for conformity with EN 615 : 2009 (except for clause 8, fire test performance) and with national annex NA of DIN EN 3-7 : 2007, class D fire rating.

Packing **D Favorit M** is only supplied in 25 kg plastic hobbocs with polyethylene inner bag.

This information is based on the current state of knowledge of RÜHL FEUERLÖSCHMITTEL GmbH at the time of printing. The properties will be checked regularly by our quality assurance. Above mentioned information as well as the characteristics of samples do not release from the obligation to verify the information currently provided and to test our product for the suitability according to the intention of use. This information should not be construed as guaranteeing specific properties of the product described. No liability can be derived from it. All data are subject to alterations.

Date: 20.06.2013 / Version: 002

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