TG Products

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EUROPEAN COMMUNITY DECLARATION OF CONFORMITY

Issued in accordance with Directives and Regulations (EU) 2017/306 as shown in the table below.
Extinguisher Final Assemblies Manufactured by: Chubb Fire & Security Ltd, Hams Hall Distribution Park, Coleshill, B46 1DA. United Kingdom. Tel: 00 44 (0)1675 431600

Type /Model	Description of Extinguisher Assembly	Extinguisher Assembly is designed, constructed and manufactured in Compliance with the directive 2014/68/EU of the European Parliament and of the Council of 15 May 2014. Conformity to Type based on Pressure Equipment Quality Assurance No. CE664542					Type /Model	Extinguisher Assembly is in compliance with requirements of the Directive 2014/90/EU of the European Parliament and of the Council of 23 July 2014 on marine equipment. Product Quality Assurance (Module D) No. BSI/MED/PC/664541				Fire Ratings	Extinguisher Standard
		Assessment Modules for Assembly	Notified Body for Assembly assessment modules	EC type examination cert. Number for Assembly (& issue)	Sub Assembly – Cylinder Assessment Modules	Sub Assembly – Valve Assessment Modules		Assessment Modules MED	Notified Body for assessment modules (note 2)	EC type examination cert. Number (& issue)	Life Boat Use only MSC48 (66)		
FPP10	1kg ABC Stored Pressure Powder Extinguisher	B & E	BSI (0086)	CE595259	B & E	Not applicable	FPP10	Not applicable				8A/55B	BS EN3
FPP2	2kg ABC Stored Pressure Powder Extinguisher						FPP2					13A/70B	
FC2SC	2kg Carbon Dioxide Extinguisher				B1 & D or B & D	B & E (bursting disc H1 or B & D)	FC2SC	Not applicable				34B	
FC2SC (9705/06)	2kg Carbon Dioxide Extinguisher (Polished)						FC2SC (9705/06)					34B	
FC2SC (9705/65)	2kg Carbon Dioxide Extinguisher (Non Magnetic)						FC2SC (9705/65)					34B	
C20G (Gloria Branded)	2kg Carbon Dioxide Extinguisher						C20G					34B	
FC5SC	5kg Carbon Dioxide Extinguisher						FC5SC*	B&D	BSI (0086)	BSI/A. 1/3. 2/595258	No	70B	
C50G (Gloria Branded)	5kg Carbon Dioxide Extinguisher						C50G*			BSI/A. 1/3. 2/595257			
FPF2	2 L AFFF Stored Pressure Spray Extinguisher				B & E	Not applicable	FPF2	Not applicable				8A/55B & 5A/55B	

NOTES

1. BSI - British Standards Institution, Kitemark Court Davy Avenue Knowlhill Milton Keynes MK5 8PP, UK – Notified Body No. 0086
2. The FPF2 are supplied filled and without freeze protection. If the extinguisher is intended for use below 0°C, then the contents must be replaced with the solution specified on the extinguisher for use to –10°C. We Advise that a suitable warning label is applied to the body to indicate that the extinguisher is freeze protected and contains monoethylene glycol.

MARKING AND LIMITS OF USE FROM THE PRESSURE EQUIPMENT:

1. For the year of production and serial number of both, assembly and cylinder, see the stamping on the cylinder.
2. Temperature range (min. / max. temperature TS) - Cylinder / Valve: -30°C to +60°C (For assembled extinguisher (filled and pressurised) do not use outside temperature range stated on printed label/ pictogram)
3. Low Pressure Extinguisher Maximum permissible overpressure PS - Cylinder / Valve: 23 bar (For assembled extinguisher do not use outside maximum service pressure, stated on printed label / pictogram from 18,5 barg)
4. Low Pressure Extinguisher Test pressure PT: 33 bar
5. Low Pressure Extinguisher Full pressure change 0 bar to 23 bar: max. 500 load cycles
6. CO2 Extinguisher Maximum permissible overpressure PS 212Bar
7. CO2 Extinguisher Test Pressure PT 169.3Bar

These are the maximum applicable related data to the pressure-retaining items of equipment. The following functional data of the fire extinguisher with extinguishing agent (user data) may vary!

FUNCTIONAL DATA OF THE FIRE EXTINGUISHER WITH EXTINGUISHING AGENT (USER DATA):

1. Functional temperature range (related to extinguishing agent): see printed label / pictogram
2. Nominal rated operating pressure (sustained pressure extinguisher) at +20°C: see printed label / pictogram
3. The equipment-specific data, printed on the label, such as the functional temperature range, nominal rated operating pressure and quantity of extinguishing agent, apply for the operative fire extinguisher with extinguishing agent. The values given here must be followed without fail, neither more nor less under any circumstances!

In addition to the above it is recommended that the complete extinguisher is installed & maintained in accordance with BS 5306-3, BS 5306-8 or National Regulations, paying Particular attention to the environment in which it is sited. If the extinguisher is positioned in an outside environment it is recommended that it is installed in a suitable protective Box or cover and a minimum of twice monthly routine inspection check is adopted.

All Technical Files are maintained by Chubb Fire & Security Limited Hams Hall Distribution Park, Edison Road Coleshill, Warwickshire, B46 1DA

*Manufactured by Chubb Fire & Security Limited Hams Hall Distribution Park, Edison Road Coleshill, Warwickshire, B46 1DA

Declaration: The above extinguisher assemblies are in compliance with the requirements of the Directives and Regulations shown and in the relevant EC Type-Examination Certificate(s) issued by the Notified Body.

Signed

L D Wilkes
Assembly & Quality Operations Manager,
TG Products Limited

6th June 2019

REFER TO USER INSTRUCTIONS OVERLEAF AND RETAIN FOR FUTURE REFERENCE 90/58391 ISSUE 36

CAUTION: THIS CONTAINER IS AN APPARATUS UNDER PRESSURE. FAILURE TO OBSERVE INSTRUCTIONS CAN CAUSE DANGER FOR POSSESSIONS AND PERSONS, THEREFORE THIS PRODUCT IS TO BE USED ONLY AS A FIRE EXTINGUISHER AND SHOULD NOT BE MIS-TREATED.

This information is issued to guide customers and users towards safe trouble free performance and long life from their CO_2, Water, Foam, Wet Chemical & Powder Fire Extinguishers. The information is not exhaustive albeit an attempt has been made to give sound advice for care and maintenance, but as the potential for abuse is limitless guidance against all aspects of mis-use is not possible. It is nevertheless issued to protect against the most reasonably foreseeable hazards and predictable abuses.
The following addresses the relevant clauses of the PED 97/23/EC Annex I Essential Safety Requirements, clause 1.1, 1.2, 1.3 & 3.4 of the Directive.

When mounting the Fire Extinguisher consideration should be given to the wall fixing (see below). Additionally Fire Extinguishers should not be sited in direct sunlight or near a source of heat that could expose the extinguisher to temperatures outside the specified temperature range stated on the extinguisher and should be installed by competent trained personnel in accordance with BS 5306-3 and BS 5306-8, or national standards.

BS 5306-3 recommends the user to carry out the following inspections at least monthly, HSE guidance recommends a weekly check.
Check that each extinguisher:

- is in its proper place
- is unobstructed, has visible and legible operating instructions facing outwards
- is not obviously damaged
- if fitted with a pressure gauge, has a reading in the operable range
- has seals or tamper indicators which are not broken or missing.

If any of the above points are not the case, then the user should arrange for corrective action.
MSDS (Material Data Safety Sheets) are obtainable from the manufacturer upon request.

Description
Use:

The function of the vessel and its components is to safely retain the media and pressure contained within until required to be used.
Each component making up the complete pressure vessel assembly has been designed for the sole application for use as a Fire Extinguisher.

Regulations:

The Fire Extinguisher assembly has been designed, manufactured and tested in accordance with the European Directive PED 97/23/EC.Under this Directive the extinguisher is classed as category III.

General Guidance:

- Under no account should the bursting disc assembly (where fitted) be tampered with or an attempt made to remove the assembly during service.
- On no account should anyone attempt to loosen or remove a valve from a charged cylinder. Additionally on no account should anyone remove a valve from an empty cylinder unless they have the specific authority to do so, and the necessary knowledge and equipment to avoid damage to either the valve or the cylinder, property or persons.
- A Fire Extinguisher is supplied only for the use for which it is designed and must not be used under any circumstance for any other purpose whatsoever. Do not play with, interfere with or abuse this extinguisher in any way or discharge the contents other than to extinguish a fire.
- A fire extinguisher may contain liquefied gas, water, foam, wet chemical or dry powder under pressure and could be dangerous if used for anything other than its intended purpose.
- Do not alter or modify the extinguisher; to do so may cause harm or danger to the user or individuals. Alterations or modifications invalidate the original design and approvals given by regulatory authorities. The pressure containment of the cylinder may be seriously impaired by unauthorised modification.
- For example do not attempt to saw, drill holes or weld attachments onto the cylinder.
- Do not place this fire extinguisher in hot or boiling water, close to heat sources such as radiant heaters, storage heaters, radiators, open fires or appliances that generate heat etc,
- The stamped markings on a fire extinguisher are important for the servicing and filling of the cylinder and must not be altered or changed.
- Do not throw the cylinder, or drop it from a height as it may cause damage to the cylinder and/or valve or it may rupture violently.
- Do not throw the cylinder onto a fire for it may rupture violently.
- Fire extinguishers should not be used for target practice. Do not throw darts or fire arrows, air guns or more powerful weapons at fire extinguishers. To do so is irresponsible and could result in a serious incident.
- Do not attempt to crush, squeeze or run over a fire extinguisher. Do not use it as a battering tool, hammer, doorstop, load support, as a stop to prevent closure of scissors action machinery, jacks or other equipment, or for any other purpose other than for which it was made.
- Do not use fire extinguishers to recharge paint guns or other air weapons. Do not use valves or cylinders to operate robots or machinery.
- The contents of a CO_2 fire extinguisher should not be used to rapidly cool / chill items, food or otherwise, neither should it be used to put fizz into drinks.
- Do not direct the discharge hose into the face of other personnel or animals.
- When a fire extinguisher is partially or wholly discharged do not re-attach to its wall bracket, but inform your local service representative.

FIRE EXTINGUISHER INSTALLATION AND FIXINGS

Siting

It is a requirement of BS 5306: Part 8 that all fire extinguishers are wall fixed or located on stands.
Portable fire extinguishers can weigh up to 20kg. It is therefore absolutely essential that if they are wall fixed, they are safely mounted on firmly secured correct brackets with correct fixings.
It is also a requirement of BS 5306: Part 3 (or National Standard) that it is the service engineer's responsibility to examine and remedy if necessary all extinguisher mounting brackets and fixings at each service.

Extinguishers should be sited and installed in accordance with the recommendations of BS 5306: Part 8 or National Regulation by a trained competent person. Normally, extinguishers should be located in conspicuous positions where they will be readily seen by persons following an escape route e.g. premises exits, corridors, stairways, lobbies and landings. Extinguishers should not be located where a potential fire might prevent access to them, nor in narrow passageways where they could get knocked or dislodged, with particular thought given to installations in schools and the like. Exposure to excessive heat and cold should be avoided. Consideration should also be given to providing protection boxes or covers where they are sited outdoors or in other detrimental environments.
As a general rule small extinguishers (up to 4kg in total weight) should be mounted so as to position the carrying handle approximately 1.5m from the floor and the carrying handle of larger extinguishers (> 4kg total weight) should be positioned approximately 1m from the floor.
Special transportation brackets are available for use when extinguishers are mounted on road vehicles, trains etc.

Drilling and Fixing

Various types of surfaces will be found and it is therefore essential that the correct appropriate type of fixing is used to ensure mounting brackets are not pulled away.
Before drilling or screwing the fixings into any surface, always use a wire/pipe/stud detector to warn of potential dangers beneath/behind the surface. (Instructions for use come with the detector.) The wire/pipe detector locates hidden dangers, and the stud detector locates possible load bearing battens in a hollow wall. The wall should have no obvious defects such as cracks, flaking plaster etc.

Safety guidelines when using power drills

1. Read and understand the usage instructions.
2. Only use power tools for their intended purpose.
3. Use the dust-collector pocket to prevent any brick-dust/debris etc falling to the ground or on any other surfaces.
4. Never change drill bits unless the tool is disconnected from the supply.
5. Never use defective, damaged or blunt drill bits, or accessories which are not specifically designed for the tools.
6. Beware of clothing becoming entangled in the tools.
7. Never leave tools where others can reach them. This applies particularly to schools and nurseries, sheltered accommodation for the handicapped, prisons etc.
8. Always wear safety glasses and dust mask.
9. When working keep other people away, they may easily distract you and lead to a lapse in concentration.
10. Clean up any dust/debris after drilling.

Use a masonry bit for boring into walls. Use a slow speed, removing the bit occasionally to allow it to cool and to remove dust, when making this withdrawal do not switch off or the bit may jam in the hole. Aim to make the hole just deeper than the wall plug being used and keep the bit at right angles to the wall. Do not let it wander or a conical hole will result. When drilling through tile, cover the site with masking or sellotape to stop the bit from wandering and the tile from cracking. For a concrete wall use a hammer action drill.

Fixings

Because of their weight, extinguishers should be fixed to solid walls (brick, concrete, solid block) wherever possible. The bracket packs supplied for extinguishers are designed to be used on solid walls only.
If extinguishers are needed where there are cavity walls, first recommend floor stands and the appropriate signage.
A selection of fixings are available to fix extinguisher to cavity walls. Cavity walls are supported on timber uprights, use the stud finder to locate timbers and fix the brackets to these. Only if there is no stud anywhere near the required location may a plasterboard fixing be used.

Various fixings are available and the appropriate fitting is to be selected for each wall type.

Part no	Description	For wall type
46/57761	Interset M5 x 40	single plasterboard
46/57762	Interset M5 x 55	double plasterboard
46/57759	'Hammer-in' M6 x 35	brickwork/concrete
46/57778	'Hammer-in' 6 x 70	brickwork/concrete
46/57760	Rawlblock M6 x 40	blockwork
81/00419	Plasterboard fix Redi-driv	plasterboard
81/03133	Screw	Universal screw and dowel for concrete and solid block, cavity and plasterboard
81/03134	Universal dowel	

Interset cavity fixing
Drill an Ø8mm hole. Insert the fixing into the hole, ensuring that the teeth penetrate the face of the base material. Tap in slightly. Tighten the screw to set the fixing in position, and then remove the screw. Position the bracket, insert the screw, and tighten until secure.

'Hammer-in' fixing
Mark hole positions on wall. Drill Ø5.5mm hole. The total depth should equal the length of the plug plus 5mm. Clean out the holes. Insert the plug into the hole. Lightly tap flush to the wall. Position bracket on wall, insert screw into the plug and hammer in. For extra security, tighten an extra half turn with a screwdriver. Use only countersunk screws.

'Hammer-in' fixing – backboards
46/57778 is for use when mounting backboards on solid walls, as follows.
Drill through the backboard into the base material. Remove backboard, clean out holes. Reposition backboard on the wall and hammer the fixing through the backboard into the wall. Position bracket on backboard and hammer in screws through bracket. For extra security, tighten an extra half turn with a screwdriver.

Rawlbloc Lightweight Blockwork Fixing
Drill an Ø5.5mm hole to the appropriate depth. Do not use impact or hammer action. Clean out hole. Insert the fixing into the hole; lightly tap flush to the surface (use finger not hammer). Position the bracket, insert the screw and tighten until the screw head is flush with the bracket surface. Give at least two extra turns in solid blocks and more in hollow blocks, until the bracket is fully secure. Minimum screw length must be the length of the plug plus the thickness of the bracket. Use only countersunk screws.

Plasterboard Redi-driv
Screw the helical fixing directly into the plasterboard until flush with the surface. Position the bracket, insert the screw and tighten until the screw head is flush with the bracket.

Universal Fitting
The universal screw and dowel (81/03133 and 81/03134) can be used for concrete, solid block, cavity and plasterboard. Drill an Ø8mm hole, clean hole and insert the fixing into the hole. Position the bracket, insert the screw, and tighten until flush and secure.