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**EUROPEAN COMMUNITY DECLARATION OF CONFORMITY**

Issued in accordance with the Pressure Equipment Directive 97/23/EC

Extinguisher Pressure Accessories Manufactured by: Zhejiang Orientx Fire Safety Equipment Co., Ltd.  
Wucheyan, Yuyao, Ningbo China 315466

Manufacturer Model Ref/ TG ref	Description of Extinguisher Assembly	Extinguisher Assembly Compliance with Council Directive 97/23/EC (PED) of 29 May 1997 and Pressure Equipment Regulations (Statutory Instrument 1999 No 2001)						Fire Ratings to EN3	Extinguisher Approvals
		Assessment Modules for Assembly	Notified Body for assessment modules	EC type examination cert. Number for Assembly (issue)	Sub Assembly - Cylinder Assessment Modules	Sub Assembly - Valve/(Bursting Disc) Assessment Modules			
OLT-103.5M (81/02906 EXC2)	2kg CO2	B & F	TUV	PRC-05-08-C001704-005	B+F	H/(B+D for disc)	34B	EN3	
OLT-136M (81/02907 EXG5)	5kg CO2	B & F	TUV	PRC-05-08-C001704-005	B+F	H/(B+D for disc)	70B	EN3	
MFZL1E-0 (81/02908 EXP1)	1kg stored pressure powder	B & C1	TUV	PRC-02-07-D0878-001	Not applicable	Not applicable	5A/34B	EN3	
MFZL2E-4 (81/02900 EXP2)	2kg stored pressure powder	B & C1	TUV	BB-FDB-MUC-02-04-0100007667-01(02)	Not applicable	Not applicable	13A/70B	EN3	
MFZL4E-4b(81/03407 EXP4)	4kg stored pressure powder	B & C1	TUV	P-PRC-13-04-603217-096	Not applicable	Not applicable	21A/89B	EN3	
MFZL6E5a (81/02901 EXP6)	6kg stored pressure powder	B & C1	TUV	PRC-05-04-C001704-003(004)	Not applicable	Not applicable	27A/144B	EN3	
MFZL9E5a (81/02902 EXP9)	9kg stored pressure powder	B & C1	TUV	PRC-05-01-C001704-001(002)	Not applicable	Not applicable	34A/183B	EN3	
MJPZ2E5a (81/03405 EXF2)	2L stored pressure AFFF	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	5A/34B	EN3	
MJPZ3E5a (81/03406 EXF3)	3L stored pressure AFFF	B & C1	TUV	P-PRC-13-04-603217-096	Not applicable	Not applicable	8A/55B	EN3	
MJPZ6E5a (81/02903 EXF6)	6L stored pressure AFFF	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A/144B	EN3	
MJPZ9E5a (81/02904 EXF9)	9L stored pressure AFFF	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	21A/183B	EN3	
MJPZ6E5b (81/03404 EXWS6)	6L stored pressure water spray	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A	EN3	
MJPZ9E5a (81/02905 EXW9)	9L stored pressure water	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A	EN3	
MJPZ6E5a (81/03408 EXWC6)	6L stored pressure wet chemical	H	TUV	DGR-0036-QS-778-13	Not applicable	Not applicable	13A/75F	EN3	
MJPZ6E5a (81/03409 EXWC2)	2L stored pressure wet chemical	H	TUV	DGR-0036-QS-778-13	Not applicable	Not applicable	8A/40F	EN3	
MJPZ3E5a (81/03402 EXWA3)	3L stored pressure water spray with additive	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A	EN3	
MJPZ6E5b (81/03403 EXWA6)	6L stored pressure water spray with additive	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	21A	EN3	
MFZL2E-4 (02900/209 EXP2)	2kg stored pressure powder	B & C1	TUV	BB-FDB-MUC-02-04-0100007667-01(02)	Not applicable	Not applicable	13A/70B	EN3	
MJPZ6E5a (02903/263 EXF6)	6L stored pressure AFFF	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A/144B	EN3	
MJPZ9E5a (02905/263 EXW9)	9L stored pressure water	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A	EN3	
MJPZ6E5a (02903/233 EXF6)	6L stored pressure AFFF	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A/144B	EN3	
MJPZ6E5b (03404/233 EXWS6)	6L stored pressure water spray	B & C1	TUV	PRC-04-12-C001704-003(004)	Not applicable	Not applicable	13A	EN3	
MJPZ3E5a (03406/233 EXF3)	3L stored pressure AFFF	B & C1	TUV	P-PRC-13-04-603217-096	Not applicable	Not applicable	8A/55B	EN3	

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- Notified Body Number 0036

(2) For the purpose of the PED all extinguisher assemblies consist of a cylinder and valve. The assessment modules applicable are shown in the columns above. 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 & a minimum of twice-monthly routine inspection check is adopted.

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: Shen Ju De

Date 07/04/2018

Quality manager

REFER TO USER INSTRUCTIONS OVERLEAF AND RETAIN FOR FUTURE REFERENCE

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**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<sub>2</sub>, Water, Foam, Wet Chemical & Powder Fire Extinguishers. The information is not exhaustive but 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 abuse. The following addresses the relevant clauses of the PED 97/23/EC Annex 1 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 stored 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 5306-6, 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
- is 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.

**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 to either the valve or the cylinder, property or person.
- A Fire Extinguisher is supplied only for the use for which it is designed and must not be used under any circumstances 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 individual. Alterations or modifications invalidate the original design and approval 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 the 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<sub>2</sub> 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 it to its wall bracket, but inform your local service representative.

**FIRE EXTINGUISHER INSTALLATION AND FIXINGS**

**Stand**

It is a requirement of BS 5306: Part 3 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 a 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 6 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 installers 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/pipette/detector to warn of potential dangers beneath/behind the surface. (Instructions for use come with the detector.) The wire/pipette/detector locates hidden dangers, and the stud detector locates possible lead 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 plug being used and keep the bit at right angles to the wall. Do not let it wander or 'scotch hole' with it. When drilling through tile, cover the tile with masking or seal tape 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 the extinguisher to cavity walls. Cavity walls are supported on timber uprights, use the stud finder to locate timber 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
46/57/61	Inter-set MS x 40	single plasterboard
46/57/62	Inter-set MS x 55	double plasterboard
46/57/59	'Hammer-in' MG x 35	brickwork/concrete
46/57/78	'Hammer-in' 6 x 70	brickwork/concrete
46/57/80	Rawlplug MS x 40	brickwork/concrete
81/00419	Plasterboard fix Red-drv	blockwork
81/03133	Screw	plasterboard
81/03134	Universal dowel	plasterboard

**Inter-set cavity fixing**

Drill an Ø9mm 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' fixings**

Mark hole positions on wall. Drill 25mm 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' fixings - backboards**

46/57/78 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.

**Rawlplug Lathenolite Blockwork Fixing**

Drill an Ø9mm 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 Impact 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 Red-drv**

Screw the notched facing 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 Fixing**

The universal screw and dowel (81/03133 and 81/03134) can be used for concrete, solid block, cavity and plasterboard. Drill an Ø9mm hole, clean hole and insert the fixing into the hole. Position the bracket, insert the screw, and tighten until flush and secure.