

## Certificate of Product Approval

Certificate Number: 638Aa

Issue: 02

### MEFA Italia S.r.l.

Ufficio Comm.  
Le e magazzino  
Via G.B. Morgagni 16/B  
Pogliano M.se (Mi)  
120010  
Italy

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

#### Products

##### Wet and dry alarm valves for sprinkler systems

(refer to attached appendix for details)

#### Standards

##### EN 12259-2:1999

Fixed firefighting systems. Components for sprinkler and water spray systems. Wet alarm valve assemblies

##### EN 12259-3:2000

Fixed firefighting systems. Components for sprinkler and water spray systems. Dry alarm valve assemblies

This certificate and appendix is maintained and held in force through regular surveillance activities

*RE Brown*

Signed for LPCB

Robert Brown  
Verifier

04 November 2014  
Date of Issue

27 March 2008  
Date of First Issue



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## Appendix to Certificate No: 638Aa MEFA Italia S.r.l.

Issue: 02

### Wet and Dry Alarm Valves

Product Name	Model	Sizes (mm)	LPCB Ref. No.
Wet Alarm Valve	B	80, 100, 150, 200 <sup>(1, 2, 3, 4)</sup>	638Aa/01
Wet Alarm Valve	D	100, 150, 200 <sup>(1, 2, 3, 5)</sup>	638Aa/02
Wet Alarm Valve	E	100, 150, 200 <sup>(1, 2, 3, 6)</sup>	638Aa/03
Dry Alarm Valve	A	80 <sup>(1, 2, 4, 7)</sup>	638Aa/04
Dry Alarm Valve	B	100, 150 <sup>(1, 2, 5, 7)</sup>	638Aa/05
Dry Alarm Valve	E	100 <sup>(1, 2, 6, 7)</sup>	638Aa/06

#### Notes:

1. Approved for use in vertical mounting position only.
2. Maximum working pressure 12 bar.
3. Approved for use with and without Model E Retard Chamber.
4. With flanged inlet and flanged outlet.
5. With flanged inlet and grooved outlet.
6. With grooved inlet and grooved outlet.
7. Approved for use with and without Model 1 Accelerator.

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## Certificate of Product Approval

Certificate Number: 638Ac

Issue: 01

### MEFA Italia S.r.l.

Ufficio Comm.  
Le e magazzino  
Via G.B. Morgagni 16/B  
Pogliano M.se (Mi)  
120010  
Italy

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

#### Products

##### Accelerators and exhausters for dry pipe valves

(refer to attached appendix for details)

#### Standards

##### EN 12259-3:2000

Fixed firefighting systems. Components for sprinkler and water spray systems. Dry alarm valve assemblies

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## Appendix to Certificate No: 638Ac MEFA Italia S.r.l.

Issue: 01

### Accelerator

Product Name	Model	LPCB Ref. No.
Accelerator	1	638Ac/01

#### Notes:

1. Approved for use with MEFA Models A, B and E Dry Alarm Valves
2. Maximum working pressure: 12 bar

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## Dry Pipe Valves

In buildings where it is impractical to keep temperatures above freezing, automatic sprinkler systems can be equipped with an FM Approved dry pipe valve. The sprinkler piping contains air under pressure, instead of water. When a sprinkler operates, air escapes, the dry pipe valve trips, and water is admitted automatically to the system. Dry pipe systems should be installed in accordance with FM Global Loss Prevention Data Sheet 2-8N, Installation of Sprinkler Systems. Additionally, if their use is intended for refrigerated storage, FM Global Loss Prevention Data Sheet 8-29 should be referred to. System calculations regarding required system air capacity should be performed if only one air pressure maintenance device is contemplated for several sprinkler systems.

Dry pipe valves are designed so that a moderate amount of air pressure will hold back a much greater water pressure. In the *differential* type, the air pressure holds the water clapper closed either by means of a difference in areas on which the water and air pressures act, or by a combination of this principal with a lever action. In the *mechanical type*, a clapper on the water seat is held closed by a system of levers which are controlled by a relatively small air clapper.

A suitable alarm is connected to the dry pipe valve so that a warning is given when the valve operates. This may be a mechanical alarm that operates by a hydraulic motor, or a hydraulic pressure switch that closes an electric circuit to operate a bell, horn, or remote signaling system. Unless otherwise noted in the listing, these dry pipe valves have 175 psi (1205 kPa) rated working pressure.

### Model A, Model B, Model E

<i>Product Designation</i>	<i>Description</i>	<i>Nominal Pipe Size, in. (mm)</i>	<i>Max Working Pressure, psi (kPa)</i>
Model A	Flanged x Flanged	3	175 (1205)
Model B	Flanged x Grooved	4, 6	175 (1205)
Model E	Grooved x Grooved	4	175 (1205)

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<b>Company Website:</b>	<a href="http://www.mefaitalia.com">http://www.mefaitalia.com</a>
<b>Listing Country:</b>	Italy
<b>Certification Type:</b>	FM Approved

## Water Motor Gongs

Water motor gongs give a locally audible alarm signal when the automatic sprinkler system operates. They may be used with waterflow alarm, dry pipe, or automatic water control valves.

### Mefa Model E

Mefa Model E

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<b>Company Website:</b>	<a href="http://www.mefaitalia.com">http://www.mefaitalia.com</a>
<b>Listing Country:</b>	Italy
<b>Certification Type:</b>	FM Approved