

## 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.

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### 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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## Waterflow Alarm Valves

Waterflow alarm valves (alarm check valves) are installed in either vertical or horizontal positions in wetpipe sprinkler systems to sound a fire alarm gong when a flow of water from the system equals or exceeds that of a single sprinkler. They are designed for use with hydraulic or electric gongs or both.

There are two designs, the differential type and the pilot valve type. The differential type has a rubber-faced clapper with an annular groove in the seat; the pilot valve type has a metal-faced clapper with a pilot valve attached to the clapper arm.

A retard chamber, which minimizes false alarms due to surges and fluctuations in water supply pressure, may be supplied with the alarm valve. If a retard chamber is supplied *only the listed chamber for a specific manufacturer and valve model shall be used*. Alarm valves are FM Approved with specific trim, and no substitutes or omissions in part or in full are allowed.

Alarms are tested by flowing water through the system test pipe. Pilot valves may be field-adjusted to assure alarm reliability. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

### Model B, Model D, Model E

<i>Product Designation</i>	<i>Description</i>	<i>Nominal Pipe Size, in. (mm)</i>	<i>Max Working Pressure, psi (kPa)</i>	<i>Remarks</i>
Model B	Flanged x Flanged	3, 4, 6, 8	175 (1205)	a, b, c
Model D	Flanged x Grooved	4, 6, 8	175 (1205)	a, b, c
Model E	Grooved x Grooved	4, 6	175 (1205)	a, b, c

- a. Resilient seat.
- b. With Model E retard chamber.
- c. Limited to installations with vertical risers only.

<b>Company Name:</b>	Mefa Italia S r l
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<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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