# Certificate of Compliance

This certificate is issued for the following:

## Fire Pump Flow Meters

**Turbo-Lux 3 Digital and Analog Fire Pump Flowmeter System (Modification)**
(see attached listing)

**Prepared for:**

Mecon GmbH
Roentgenstrasse 105
50169 Kerpen
Germany

FM Approvals Class: 1046 (January 1987)

Approval Identification: PR455022 Approval Granted: April 16, 2021

To verify the availability of the Approved product, please refer to www.approvalguide.com

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

David B. Fuller
VP, Manager – Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062

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# Certificate of Compliance

| Model No | Type | Pump Rating | | Meter Line Size | | Rated Working Pressure | | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | gpm | (Lpm) | in | (mm) | psi | (bar) | |
| TL3A0/7ME5835-0AA00-EB | Cut Groove | 50 | (190) | 2 | (50) | 500 | (34.5) | a |
| TL3D0-EB | Cut Groove | 50 | (190) | 2 | (50) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-UC | Cut Groove | 100 | (380) | 2.5 | (65) | 500 | (34.5) | a |
| TL3D0-UC | Cut Groove | 100 | (380) | 2.5 | (65) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-FC | Cut Groove | 100 | (380) | 2.5 | (65) | 500 | (34.5) | a |
| TL3D0-FC | Cut Groove | 100 | (380) | 2.5 | (65) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-GD | Cut Groove | 150 | (565) | 3 | (80) | 500 | (34.5) | a |
| TL3D0-GD | Cut Groove | 150 | (565) | 3 | (80) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-GE | Cut Groove | 200 | (755) | 3 | (80) | 500 | (34.5) | a |
| TL3D0-GE | Cut Groove | 200 | (755) | 3 | (80) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-HF | Cut Groove | 250 | (945) | 4 | (100) | 500 | (34.5) | a |
| TL3D0-HF | Cut Groove | 250 | (945) | 4 | (100) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-HG | Cut Groove | 300 | (1135) | 4 | (100) | 500 | (34.5) | a |
| TL3D0-HG | Cut Groove | 300 | (1135) | 4 | (100) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-HH | Cut Groove | 400 | (1515) | 4 | (100) | 500 | (34.5) | a |

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|---|---|---|---|---|---|---|---|---|
| | | gpm | (Lpm) | in | (mm) | psi | (bar) | |
| TL3D0-HH | Cut Groove | 400 | (1515) | 4 | (100) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-HJ | Cut Groove | 450 | (1750) | 4 | (100) | 500 | (34.5) | a |
| TL3D0-HJ | Cut Groove | 450 | (1750) | 4 | (100) | 500 | (34.5) | a |
| TL3A0/7ME5835-0AA00-XK | Roll Groove | 500 | (1895) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-XK | Roll Groove | 500 | (1895) | 6 | (150) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-XL | Roll Groove | 750 | (2840) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-XL | Roll Groove | 750 | (2840) | 6 | (150) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-XM | Roll Groove | 1000 | (3785) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-XM | Roll Groove | 1000 | (3785) | 6 | (150) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-XN | Roll Groove | 1250 | (4730) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-XN | Roll Groove | 1250 | (4730) | 6 | (150) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-KK | Roll Groove | 500 | (1895) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-KK | Roll Groove | 500 | (1895) | 6 | (150) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-KL | Roll Groove | 750 | (2840) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-KL | Roll Groove | 750 | (2840) | 6 | (150) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-KM | Roll Groove | 1000 | (3785) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-KM | Roll Groove | 1000 | (3785) | 6 | (150) | 500 | (34.5) | a, b |

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| | | gpm | (Lpm) | in | (mm) | psi | (bar) | |
| TL3A0/7ME5835-0AA00-KN | Roll Groove | 1250 | (4730) | 6 | (150) | 500 | (34.5) | a, b |
| TL3D0-KN | Roll Groove | 1250 | (4730) | 6 | (150) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-LP | Roll Groove | 1500 | (5680) | 8 | (200) | 500 | (34.5) | a, b |
| TL3D0-LP | Roll Groove | 1500 | (5680) | 8 | (200) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-LQ | Roll Groove | 2000 | (7570) | 8 | (200) | 500 | (34.5) | a, b |
| TL3D0-LQ | Roll Groove | 2000 | (7570) | 8 | (200) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-LR | Roll Groove | 2500 | (9465) | 8 | (200) | 500 | (34.5) | a, b |
| TL3D0-LR | Roll Groove | 2500 | (9465) | 8 | (200) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-LS | Roll Groove | 3000 | (11355) | 8 | (200) | 500 | (34.5) | a, b |
| TL3D0-LS | Roll Groove | 3000 | (11355) | 8 | (200) | 500 | (34.5) | a, b |
| TL3A0/7ME5835-0AA00-MT | Roll Groove | 3500 | (13250) | 10 | (250) | 232 | (16.0) | a, b |
| TL3D0-MT | Roll Groove | 3500 | (13250) | 10 | (250) | 232 | (16.0) | a, b |
| TL3A0/7ME5835-0AA00-MU | Roll Groove | 4000 | (15140) | 10 | (250) | 232 | (16.0) | a, b |
| TL3D0-MU | Roll Groove | 4000 | (15140) | 10 | (250) | 232 | (16.0) | a, b |
| TL3A0/7ME5835-0AA00-MV | Roll Groove | 4500 | (17035) | 10 | (250) | 232 | (16.0) | a, b |
| TL3D0-MV | Roll Groove | 4500 | (17035) | 10 | (250) | 232 | (16.0) | a, b |
| TL3A0/7ME5835-0AA00-NW | Roll Groove | 5000 | (18925) | 12 | (300) | 232 | (16.0) | a, b |

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|---|---|---|---|---|---|---|---|---|
| | | gpm | (Lpm) | in | (mm) | psi | (bar) | |
| TL3D0-NW | Roll Groove | 5000 | (18925) | 12 | (300) | 232 | (16.0) | a, b |

Remarks:
*a. with/without measuring accuracy certificate for orifice plate flowmeter (SET)*
*b. Optional housing tube in stainless steel*

*Each system consists of an orifice plate assembly with grooved end connections with a bypass meter to measure the flow. The differential pressure produced across the orifice plate causes a volume flow into the bypass meter. The bypass meter contains a conical high performance plastic with a float. The rising height of the float indicates the actual flow rate or a digital display.*

*Model TL3A0 is equivalent to model 7ME5835-0AA00*

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