



# Certificate of Compliance

This certificate is issued for the following:

## **Fire Pump Flowmeter Systems**

**Turbo-Lux 3  
(Modification)**  
(see attached listing)

### **Prepared for:**

Mecon GmbH  
Roentgenstrasse 105  
50169 Kerpen  
Germany

FM Approvals Class: 1046

Approval Identification: 3056052      Approval Granted: May 14, 2018

To verify the product continues to be Approved please refer to [www.approvalguide.com](http://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.

A handwritten signature in dark ink, appearing to read 'D.B. Fuller', written over a horizontal line.

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



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# Certificate of Compliance

## Turbo-Lux 3 Fire Pump Flowmeter System

<i>Model designation</i>	<i>Pump rating gal/min (dm<sup>3</sup>/min)</i>	<i>Meter size inch (DN)</i>	<i>OD inch (mm)</i>	<i>Connection</i>
7ME5835-0AA00-#EB	50	2	2.375	Cut Groove
	(190)	(50)	(60.3)	
7ME5835-0AA00-#UC	100	2.5	2.875	Cut Groove
	(380)	(65)	(73.0)	
7ME5835-0AA00-#FC	100	2.5	3.000	Cut Groove
	(380)	(65)	(76.1)	
7ME5835-0AA00-#GD	150	3	3.500	Cut Groove
	(565)	(80)	(88.9)	
7ME5835-0AA00-#GE	200	3	3.500	Cut Groove
	(755)	(80)	(88.9)	
7ME5835-0AA00-#HF	250	4	4.500	Cut Groove
	(945)	(100)	(114.3)	
7ME5835-0AA00-#HG	300	4	4.500	Cut Groove
	(1135)	(100)	(114.3)	
7ME5835-0AA00-#HH	400	4	4.500	Cut Groove
	(1515)	(100)	(114.3)	
7ME5835-0AA00-#HJ	450	4	4.500	Cut Groove
	(1705)	(100)	(114.3)	
7ME5835-0AA00-#XK*	500	6	6.500	Roll Groove
	(1895)	(150)	(165.1)	
7ME5835-0AA00-#XL*	750	6	6.500	Roll Groove
	(2840)	(150)	(165.1)	
7ME5835-0AA00-#XM*	1000	6	6.500	Roll Groove
	(3785)	(150)	(165.1)	
7ME5835-0AA00-#XN*	1250	6	6.500	Roll Groove
	(4730)	(150)	(165.1)	
7ME5835-0AA00-#KK*	500	6	6.625	Roll Groove
	(1895)	(150)	(168.3)	



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<i>Model designation</i>	<i>Pump rating gal/min (dm<sup>3</sup>/min)</i>	<i>Meter size inch (DN)</i>	<i>OD inch (mm)</i>	<i>Connection</i>
7ME5835-0AA00-#KL*	750	6	6.625	Roll Groove
	(2840)	(150)	(168.3)	
7ME5835-0AA00-#KM*	1000	6	6.625	Roll Groove
	(3785)	(150)	(168.3)	
7ME5835-0AA00-#KN*	1250	6	6.625	Roll Groove
	(4730)	(150)	(168.3)	
7ME5835-0AA00-#LP*	1500	8	8.625	Roll Groove
	(5680)	(200)	(219.1)	
7ME5835-0AA00-#LQ*	2000	8	8.625	Roll Groove
	(7570)	(200)	(219.1)	
7ME5835-0AA00-#LR*	2500	8	8.625	Roll Groove
	(9465)	(200)	(219.1)	
7ME5835-0AA00-#LS*	3000	8	8.625	Roll Groove
	(11 355)	(200)	(219.1)	
7ME5835-0AA00-#MT*	3500	10	10.750	Roll Groove
	(13 250)	(250)	(273.0)	
7ME5835-0AA00-#MU*	4000	10	10.750	Roll Groove
	(15 140)	(250)	(273.0)	
7ME5835-0AA00-#MV*	4500	10	10.750	Roll Groove
	(17 035)	(250)	(273.0)	
7ME5835-0AA00-#NW*	5000	12	12.750	Roll Groove
	(18 925)	(300)	(323.9)	

\* Optional housing tube in stainless steel

# with/without measuring accuracy certificate for orifice plate flowmeter (SET)

Rated Working Pressure 232 psi (1600 kPa)

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 glass tube with a float. The rising height of the float indicates the actual flow rate.



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