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
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FM Approvals
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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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Model No	Type	Pump Rating		Meter Line Size		Rated Working Pressure		Remarks
		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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Model No	Type	Pump Rating		Meter Line Size		Rated Working Pressure		Remarks
		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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Model No	Type	Pump Rating		Meter Line Size		Rated Working Pressure		Remarks
		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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