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Rontgenstrasse 105
 Kerpen
 50169
 Germany

Tel: 0049 2237 6000611 • Fax: 0049 2237 6000620

Web: www.mecon.de**Certificate No 1385a to LPS 1045****Direct Reading Flow Meter**

Product	Nominal Pipe Size to BS 1387 (mm)	Nominal Pipe Size to BS 3600 (mm)	Flow Range (l/min)	Connection Type	LPCB Ref. No.
Turbo-Lux 3	50	50	75 - 375	Groove	1385a/01

See below for all products listed in this group including notes.

Direct Reading Flow Meter

Product	Nominal Pipe Size to BS 1387 (mm)	Nominal Pipe Size to BS 3600 (mm)	Flow Range (l/min)	Connection Type	LPCB Ref. No.
Turbo-Lux 3	50	50	75 - 375	Groove	1385a/01
Turbo-Lux 3	65	65	150 - 750	Groove	1385a/02
Turbo-Lux 3	80	80	220 - 1100	Groove	1385a/03
Turbo-Lux 3	80	80	300 - 1500	Groove	1385a/04
Turbo-Lux 3	100	100	380 - 1900	Groove	1385a/05
Turbo-Lux 3	100	100	460 - 2300	Groove	1385a/06
Turbo-Lux 3	100	100	600 - 3000	Groove	1385a/07
Turbo-Lux 3	100	100	680 - 3400	Groove	1385a/08
Turbo-Lux 3	150	150	760 - 3800	Groove	1385a/09
Turbo-Lux 3	150	150	1130 - 5650	Groove	1385a/10

Turbo-Lux 3	150	150	1500 - 7500	Groove	1385a/11
Turbo-Lux 3	150	150	1900 - 9500	Groove	1385a/12
Turbo-Lux 3		200	2200 - 11000	Groove	1385a/13
Turbo-Lux 3		200	3000 - 15000	Groove	1385a/14
Turbo-Lux 3		200	3800 - 19000	Groove	1385a/15
Turbo-Lux 3		200	4500 - 22500	Groove	1385a/16

Notes:

- 1) These meters are provided with portable bypass meters (contain measuring tubes) that are connected directly to the flowmeter body at the time of operation. After measurements are taken the bypass meters are to be unscrewed, emptied and put back into packaging, then the open orifice must be sealed pressure tight with the caps.
- 2) These meters have been approved for installation with the bypass meter in the vertical position.
- 3) Turbo-Lux 3 meters must be installed and maintained in accordance with manufacturers instructions 'Ä©Mecon GmbH 11/2016 OI_FO Turbo-Lux 3'

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Fire Pump Flowmeter Systems

Fire pump flowmeters may be used to determine the discharge of a fire pump. Water from the pump is temporarily directed through the flowmeter, then to atmospheric drain or back to the water supply source.

It is important that the flowmeter not be connected directly back to the pump suction. This arrangement does not adequately test the condition of the water supply.

These flowmeters are calibrated to measure the fire pump output directly in gal/min (dm^3/min). A control valve is provided in the flowmeter line. This valve must be completely closed, except when the flowmeter is in use. Unless otherwise noted in the listing, these systems have 175 psi (1205 kPa) rated working pressure.

Turbo-Lux 3 Fire Pump Flowmeter System

<i>Pump Rating, gal/min (dm^3/min)</i>	<i>Meter Line Size, in. (mm)</i>
50 (170)	2 (DN50)
150 (565)	3 (DN80)
200 (755)	3 (DN80)
250 (945)	4 (DN100)
300 (1135)	4 (DN100)
400 (1535)	4 (DN100)
450 (1705)	4 (DN100)
750 (2840)	6 (DN150)
1000 (3785)	6 (DN150)
1250 (4730)	6 (DN150)
1500 (5680)	8 (DN200)
2000 (7570)	8 (DN200)
2500 (9465)	8 (DN200)
3000 (11 355)	8 (DN200)

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.

Company Name:	Mecon GmbH
Company Address:	Roentgenstrasse 105, 50169 Kerpen, Germany
Company Website:	http://www.mecon.de

New/Updated Product Listing:	No
Listing Country:	Germany
Certification Type:	FM Approved