**mag-flux T4**

**Information in advance for the planning company**

The following tender text should serve as an aid in the preparation of tender specifications.

We ask you to clearly mark your selected options and to delete the options you do not want.

BIM / CAD data (revit, dwg, stp format) of the devices are available!

<https://www.mecon.de/en/magnetic-inductive-flow-meters/mag-flux-t4/#tabs1-3>

**Magnetic-inductive fire pump meter used to measure the volume of water in closed conduits, VdS approved with coupling connection.**

Electromagnetic flowmeter consisting of sensor and transmitter for stationary installation.

**Version**

* Fully welded steel fitting for inlet path 5 x DN and outflow zone 2 x DN with calibration certificate
* Protection class IP 67
* Compact or remote design
* Lining: hard rubber, PTFE
* Electrode material: stainless steel, Hastelloy C276
* Power Supply: 230 V AC, 115 V AC, 24 V DC
* Connection: coupling, flange, female thread

**Approvals**

* VdS approval: 2344, 2100-29
* Directive 2014/30/EU (EMV-Directive)
* Low voltage directive 2014/35/EU

**Application conditions**

* Temperature limits: -1 °C ... 50 °C
* Pressure limits: PN 16
 PN 25
* Hydrostatically coupling connection: max. 16 bar
strength thread connection: max. 16 bar
(Pressure strength): flange connection PN 16: max. 16 bar (DN 65 … DN 300)
 Flange connection PN 25: max. 25 bar (DN 200 … DN 300)
 Flange connection PN 40: max. 40 bar (DN 15 … DN 150)

**Order Code: T4-□-□□□□-□-□□BB□□**

 **1 2 3 4 5 6 7**

1. **Liner**H - Hard rubber
P - PTFE
2. **Article**see table below (coupling connection only with lining hard rubber)
3. **Electrode material**1 - Stainless steel
2 - Hastelloy C276
4. **Transmitter**1 - Electronic M1 compact
2 - Electronic M1 remote version incl. 5 m cable between sensor and transmitter
5. **Power Supply**

1 - 230 V AC, 50/60 Hz / 15 VA
2 - 115 V AC, 50/60 Hz / 15 VA
3 - 24 V DC ±15 % / 15 W

1. **Cable gland entires**1 - without
4 - 230 V: 1 x circular connector M12 x 1 (5 pol) with 5 m cable
 1 x circular connector M12 x 1 (4 pol) with 5 m cable
5 - 24 V: 1 x circular connector M12 x 1 (5 pol) with 5 m cable
2. **Indication of measurement range**L - line 1: l/min.; line 2: m/s
G - line 1: USGPM; line 2: feet/s

**Table 1: Article / Connection / pressure level / nominal sizes**

|  |  |  |
| --- | --- | --- |
| **nominal size** | **Connection**  | **Measurement range**  |
| K050 1) | Coupling connection DN 50 / 2"  | 0 … 1 178 l/min.  | 0 … 310 USgpm  |
| K065 1) | Coupling connection DN 65 / 2 ½"  | 0 … 1 990 l/min.  | 0 … 525 USgpm  |
| K080 1) | Coupling connection DN 80 / 3"  | 0 … 3 015 l/min.  | 0 ... 800 USgpm  |
| K100 1) | Coupling connection DN 100 / 4"  | 0 … 4 712 l/min.  | 0 … 1 250 USgpm  |
| K125 1) | Coupling connection DN 125 / 5"  | 0 … 7 363 l/min.  | 0 … 1 950 USgpm  |
| K150 1) | Coupling connection DN 150 / 6"  | 0 ... 10 602 l/min.  | 0 … 2 800 USgpm  |
| K200 1) | Coupling connection DN 200 / 8"  | 0 … 18 849 l/min.  | 0 … 5 000 USgpm  |
| K250 1) | Coupling connection DN 250 / 10"  | 0 … 29 452 l/min.  | 0 … 7 800 USgpm  |
| K300 1) | Coupling connection DN 300 / 12"  | 0 … 42 411 l/min.  | 0 … 11 200 USgpm  |
| D015  | Flange connection EN 1092-1 DN 15 PN 40  | 0 … 106 l/min.  | 0 … 28 USpm  |
| D020  | Flange connection EN 1092-1 DN 20 PN 40  | 0 … 188 l/min.  | 0 … 50 USgpm  |
| D025  | Flange connection EN 1092-1 DN 25 PN 40  | 0 … 294 l/min.  | 0 … 78 USgpm  |
| D032  | Flange connection EN 1092-1 DN 32 PN 40  | 0 … 482 l/min.  | 0 … 130 USgpm  |
| D040  | Flange connection EN 1092-1 DN 40 PN 40  | 0 … 753 l/min.  | 0 … 200 USgpm  |
| D050  | Flange connection EN 1092-1 DN 50 PN 40  | 0 ... 1 178 l/min.  | 0 … 310 USgpm  |
| D065  | Flange connection EN 1092-1 DN 65 PN 16  | 0 … 1 990 l/min.  | 0 … 525 USgpm  |
| H065  | Flange connection EN 1092-1 DN 65 PN 40  | 0 … 1 990 l/min.  | 0 … 525 USgpm  |
| D080  | Flange connection EN 1092-1 DN 80 PN 16  | 0 … 3 015 l/min.  | 0 … 800 USgpm  |
| H080  | Flange connection EN 1092-1 DN 80 PN 40  | 0 … 3 015 l/min.  | 0 … 800 USgpm  |
| D100  | Flange connection EN 1092-1 DN 100 PN 16  | 0 … 4 712 l/min.  | 0 … 1 250 USgpm  |
| H100  | Flange connection EN 1092-1 DN 100 PN 40  | 0 … 4 712 l/min.  | 0 … 1 250 USgpm  |
| D125  | Flange connection EN 1092-1 DN 125 PN 16  | 0 … 7 363 l/min.  | 0 … 1 950 USgpm  |
| H125  | Flange connection EN 1092-1 DN 125 PN 40  | 0 … 7 363 l/min.  | 0 … 1 950 USgpm  |
| D150  | Flange connection EN 1092-1 DN 150 PN 16  | 0 … 10 602 l/min.  | 0 … 2 800 USgpm  |
| H150  | Flange connection EN 1092-1 DN 150 PN 40  | 0 … 10 602 l/min.  | 0 … 2 800 USgpm  |
| D200  | Flange connection EN 1092-1 DN 200 PN 16  | 0 … 18 849 l/min.  | 0 … 5 000 USgpm  |
| H200  | Flange connection EN 1092-1 DN 200 PN 25  | 0 … 18 849 l/min.  | 0 … 5 000 USgpm  |
| D250  | Flange connection EN 1092-1 DN 250 PN 16  | 0 … 29 452 l/min.  | 0 … 7 800 USgpm  |
| H250  | Flange connection EN 1092-1 DN 250 PN 25  | 0 … 29 452 l/min.  | 0 … 7 800 USgpm  |
| D300  | Flange connection EN 1092-1 DN 300 PN 16  | 0 … 42 411 l/min.  | 0 … 11 200 USgpm  |
| H300  | Flange connection EN 1092-1 DN 300 PN 25  | 0 … 42 411 l/min.  | 0 … 11 200 USgpm |
| A015  | Flange connection ANSI B16.5 ½" 150RF  | 0 … 106 l/min.  | 0 … 28 USpm  |
| A020  | Flange connection ANSI B16.5 ¾" 150RF  | 0 … 188 l/min.  | 0 … 50 USgpm  |
| A025  | Flange connection ANSI B16.5 1" 150RF  | 0 … 294 l/min.  | 0 … 78 USgpm  |
| A032  | Flange connection ANSI B16.5 1 ¼" 150RF  | 0 … 482 l/min.  | 0 … 130 USgpm  |
| A040  | Flange connection ANSI B16.5 1½" 150RF  | 0 … 753 l/min.  | 0 … 200 USgpm  |
| A050  | Flange connection ANSI B16.5 2" 150RF  | 0 … 1 178 l/min.  | 0 … 310 USgpm  |
| A065  | Flange connection ANSI B16.5 ½" 150RF  | 0 … 1 990 l/min.  | 0 … 525 USgpm  |
| A080  | Flange connection ANSI B16.5 3" 150RF  | 0 … 3 015 l/min.  | 0 … 800 USgpm  |
| A100  | Flange connection ANSI B16.5 4" 150RF  | 0 … 4 712 l/min.  | 0 … 1 250 USgpm  |
| A125  | Flange connection ANSI B16.5 5" 150RF  | 0 … 7 363 l/min.  | 0 … 1 950 USgpm  |
| A150  | Flange connection ANSI B16.5 6" 150RF  | 0 … 10 602 l/min.  | 0 … 2 800 USgpm  |
| A200  | Flange connection ANSI B16.5 8" 150RF  | 0 … 18 849 l/min.  | 0 … 5 000 USgpm  |
| A250  | Flange connection ANSI B16.5 10" 150RF  | 0 … 29 452 l/min.  | 0 … 7 800 USgpm  |
| A300  | Flange connection ANSI B16.5 12" 150RF  | 0 … 42 411 l/min.  | 0 … 11 200 USgpm |

1) coupling connection only with lining hard rubber

Brand: MECON GmbH or equivalent

Typ: mag-flux T4

CAD data of the devices are available!

Point of contact - customer service: +49 (0)2237 60006-0, info@mecon.de