The information contained in this brochure merely serves as a non-binding description of our products and is without guarantee. Binding information, in particular relating to capacity data and suitability for specific applications, can only be provided within the framework of concrete inquiries.

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The GEA solution: IZMAG™ and CMAG™ - An optimum standard

Individual system solutions in combination with IZM-S/T™ or ZEVODAT-flash™

Hygiene
- Aseptic process connection as per DIN 11864

Features
- Rotatable graphics display
- Waterproofed touch keys
- Flexible selectable process connections
- Modernist free design
- Vacum tight liner
- Start input for filling level control
- Remote display with special operator functions (e.g. start/stop) and applications (e.g. filling level control, regulator function)
- Connection for a voucher or log printer
- Temperature measurement
- QM, and Evaluation Certificate TC7520 and TC7521 for custody transfer processes
- Generation of a test certificate as a QM record
- Setting data can be archived on a PC

Quality Assurance
- Continuous internal monitoring of functions and the measurement chain
- Rain test messages
- Digital status output
- Internal calibration function
- OIML and Evaluation Certificate TC7520 and TC7521 for custody transfer processes
- Generation of a test certificate as a QM record
- Setting data can be archived on a PC

Performance
- All liquids with a minimum conductivity >5 μS/cm
- Bidirectional flow measurement
- Flow range 5 l/h to 1,000 m³/h
- 3 Digital outputs for volume pulses and status signals
- Analogue signal for flow rate
- Digital signal input for zero setting or measurement suppression (CIP)
- Storage of metering process data
- Manual or automatic data transmission via GSM/GPRS
- Automatic shut-off calculation for high filling level accuracy
- Setting data can be archived on a PC

User-friendliness
- Operator instructions in plain text
- Automatic selection of measurement range
- No special tools required for parameter setting
- Texts in local languages
- Wireless data exchange with a PC/laptop
- Operator display
- Simple remote display allowing main display to be set to zero

We live our values.
Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA is a global technology company with multi-billion euro sales operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA is listed in the STOXX® Europe 600 Index. In addition, the company is included in selected MSCI Global Sustainability Indexes.

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Quality is worthwhile

Metering means added value for your business. Recipe control, risk minimization and enhanced utilization of resources – these are just a few of the many factors that go to make up quality. In sensitive manufacturing processes such as those in the food, pharma and biotech industries, accurate and reliable measurement data are vital.

The innovative IZMAG™ (IZMAG) electromagnetic flow meters feature functional in-design and made of stainless steel. The standard version measures bidirectional flows of conductive liquids volumetrically. It owes the reliability of its measured values to continuous internal calibration. The standard model can be expanded using Profibus DP and can be integrated within networks.

The IZMAG™ flow meter can easily be positioned precisely where it is needed: it is available as an all-in-one version; with separated signal transmitter and electronics box; and with an illuminated display that can be rotated through 360°.

Installation and commissioning require only minimum effort, saving time and expense. The IZMAG™ is manufactured in Germany by GEA – upholding a long and well-proven tradition – and sold at a realistic price.

Automation for every taste – Flexibility and control to reflect consumer trends

It is important to react quickly to consumer trends, and efficient manufacturing processes are required to meet demand; flexibility can also be a major success factor. With this in mind, GEA, in close consultation with users and in collaboration with engineers, develops variable and expandable flow meters for customer-oriented system solutions, for example the innovative IZMAG™ generation. This represents an optimum standard, with optional extras, to provide individual support for automation projects.

IZMAG™ – Electromagnetic flow metering on the highest level

- Device available in all-in-one or separated versions
- Power supply 12 V/24 V DC or 100–240 V AC
- Integrated graphics display for measured values
- Illuminated display can be rotated through 360°
- 3 touch keys for risk-free parameter setting in the field
- 3 digital outputs for volume pulses and status signal
- Digital signal input for zero setting; interruption of measurement (CIP) or start
- Flow signal output 4-20 mA, corresponding to a flow of 0–100%