This being the case, we self-confidently recommend ourselves to you as a vendor of customised technology solutions. We have convincing arguments for breweries, as we can guarantee them the following advantages:

- Quality assurance through unremitting process monitoring
- The logging of all the relevant production data, allowing data to be administered centrally
- Flexibility in use, allowing production to be optimised
- Precise compliance with the product recipe, which economises on ingredients
- Optimisation of quality control

In a nutshell: simple operation and uninterrupted production

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

GEA Group is a global engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX® Europe 600 Index.
1. Measurements in the brewhouse
   - control of mashing liquor
   - temperature control
   - monitoring of sparging water
   - definition of copper-full-of-wort

2. Metering system for wort
   - Di-Quik™ system of high and type
   - dependent quantity
   - continuous determination of original gravity
   - recording and documentation of all data

3. Aeration and yeast dosage
   - quantity proportional to the
   - yeast
   - dosage of the yeast by proportional air blending
   - precise yeast cell dosing by difference turbidity measurement
   - speed-controlled positive pump

3a. Yeast management
   - preparation
   - dosage

3b. Yeast harvest
   - automatic differentiation of
   - yeast and green beer
   - mobile or stationary metering
   - from fermenter to yeast storage

4. Continuous blending systems Di-Quik™ for:
   - beer-based mixed drinks
   - green beer and krausen
   - malt beverages
   - wheat beer and pitching yeast
   - lager beer and dark beer

5. Mobile metering with
   - Di-Mobil™
   - applicable wherever
   - required
   - safe metered operation
   - mixing in batch operation
   - calibration of tanks
   - capacity control of pumps
   - gravity flow
   - detection and evaluation of product lines

6. Water deaeration system
   - type Di-Ox-2™, Varidox™
   - or Di-Ox-M™
   - low residual oxygen
   - low operating expenses
   - low O₂ consumption

7. Carbonating system
   - Di-Car-B™ with a wide measuring range and high
   - carbonating efficiency

8. Original wort optimization/redilution
   - The Di-Quik™ system is able to precisely dilute a
   - stronger basic beer to the
   - required preselected original gravity or alcohol
   - content
   - by means of first and last runnings
   - or deaerated brewing water
   - provides additional capacities
   - savings primary energy
   - can reduce taxes

9. Filling and emptying of storage tanks
   - Filling and emptying of
   - storage tanks
   - by using first and last runnings
   - or deaerated brewing water
   - provides additional capacities
   - saves primary energy
   - can reduce taxes

10. Volumetric keg filling
    - reduction of loss due to
    - saved “lost beer”
    - kegs are treated carefully
    - due to gas pads
    - monitoring according to
    - beer types and kegs
    - suitable for lengthwise or
    - round fillers

11. Measurement of beer for customs & excise and
    - weights & measures
    - purposes
    - used where transportation
    - is subject to weights and
    - measures regulations
    - for intake and delivery of
    - beer and
    - returned deliveries of non-
    - consumed festival beer on
    - a sale of return basis
    - preparation of officially
    - approved shipping documents

12. Quality control before filling
    - product monitoring
    - for original gravity, % vol.
    - alcohol and
    - according with
    - VDL and HACCP
    - standards
    - monitoring of limit values
    - on request with:
    - Di-Check™
    - Di-Liqui™
    - Di-LiquiZ™

We like to be very precise about things – GEA Diessel metering and process technology.


Our core competences and our technical know-how find expression day after day in process modules that correspond precisely to our customers’ requirement profiles. As international standards setting developers and manufacturers, we offer you compact, ready-to-go solutions for many areas of brewery operations. And if it is a question of determining your production quantities with particular accuracy, GEA Diessel can help you with that as well – as a market leader in weights and measures approved volumetric measuring equipment.

The system shown here in diagrammatic form illustrates the many applications for GEA Diessel metering devices in the brewing process.