UNDERSTANDING QUALITY. FOR LIFE.

HAFFMANS QUALITY CONTROL EQUIPMENT

FOODANDBEVERAGE.PENTAIR.COM
ENHANCE O₂ AND CO₂ MANAGEMENT WITH PENTAIR HAFFMANS’ WIDE RANGE OF QUALITY CONTROL EQUIPMENT

O₂, CO₂, AND AIR

O₂ Gehältemeter, type o-OGM
Determines the dissolved O₂ ([DO]) content.

CO₂/O₂ Gehältemeter, type c-OGM
Measures the dissolved CO₂ and DO content.

CO₂ Gehältemeter
Determines the dissolved CO₂ content and comes in different executions to meet the requirements of your application:
- Intellitron CO₂ Gehältemeter, type i-OGM
- Analog CO₂ Gehältemeter, type SHT

Inpack TPO Meter, type TPO
Automatically determines the total O₂ content by measuring the DO and the headspace O₂ content of the packaged product in a single measurement.

Inpack TPO/CO₂ Meter, type c-TPO
Determines the DO, headspace O₂, and total O₂ content of the packaged product. In addition, the c-TPO measures CO₂.

Inpack TPO/CO₂ Meter, type c-TPO Selective
The automatic inpack TPO/CO₂ Meter, type c-TPO Selective, offers Selective CO₂ Measurement using Henry’s Law in combination with optical technology.

Automator
Automatically measures all relevant quality parameters directly in the filled package in a single measurement cycle. In addition to the basic parameters O₂ and CO₂, the system can be extended for further analysis to meet customer requirements.

Inpack 2000 CO₂ Device
Manually determines the dissolved CO₂ content in carbonated beverages filled in bottles or cans and comes in different executions:
- Inpack 2000 CO₂ Calculator, type ICC
- Inpack 2000 CO₂ Meter Digital, type ICD

Inpack 2000 Air Meter, type IAM
Determines the air content in the headspace and the total air content of the package.

CO₂-Selector
For non-invasive CO₂ measurement in the filled package. Measures the headspace CO₂ content and internal pressure, and accurately determines the dissolved CO₂ content in the package. Piercing is not required to perform the measurement.

FOAM MEASUREMENT

Nibem Foam Stability Tester
Measures the foam collapsing time.

- Type Nibem-TPH

Nibem Cling Meter, type Nibem-CLM
Measures the beer cling (the ability of the beer foam to adhere to the glass wall).

Inpack 2000 Sampling Device, type ISD
For sampling from bottles or cans. In combination with a DO device, the DO content can be measured.

Sample Bottle Filler, type SBF
For sampling beverages from tanks, pipes or kegs without air intake.

Inpack 2000 Flasher Head, type IFH
A flashing device for the creation of reproducible foam for the Nibem foam quality analysis, to be used in combination with the ISD or SBF.

TURBIDITY MEASUREMENT

Turbidity Meter, type Vos Rota 2.0
Evaluates the washing process in each compartment of the bottle washer, based on the time, temperature and conductivity of the cleaning medium.

Keg Monitor, type KEG 2.0
Perfect control of your keg washing process. Faster and better process insights due to windows-based PC-program.

TOTAL LAB SOLUTION (TLS)
Complete, customized laboratories for quality from concept to after sales service.

IN-LINE EQUIPMENT

O₂ & CO₂ MEASUREMENT

In-line quality assurance and product monitoring is critical during the production process.

- In-line CO₂ Meter AuCoMet-i
- In-line O₂ Gehältemeter, type OGM

PASTEURIZATION

Redpost PU Monitor
Monitors the pasteurization process of beer and beverages as it travels through the pasteurizer tunnel. PUs are automatically calculated and displayed. Available in three executions:
- Type RPU-351
- Type RPU-352
- Type RPU-353

Redpost Charger/Interface
Charges PU Monitor and enables data transfer from the Monitor to a PC or printer and comes in two executions:
- Type RPC-80, compatible with all Redpost PU Monitors
- Type RPC-50, compatible with PU Monitors type RPU-120®, RPU-351/352/353.

BOTTLE & KEG WASHING

Bottle Monitor, type BTH
Evaluates the washing process in each compartment of the bottle washer, based on the time, temperature and conductivity of the cleaning medium.

Keg Monitor, type KEG 2.0
Perfect control of your keg washing process. Faster and better process insights due to windows-based PC-program.

VARIOUS EQUIPMENT

- Dew Point Tester, type DPT
- Measuring the condensation temperature of humidity present in CO₂ or other gases.

- Gauge Calibration Device, type GCD
- Precisely calibrates pressure gauges and digital pressure sensors.

- CO₂ Purity Tester, type CPT
- Measures the purity of the CO₂ gas and is available in the measuring ranges 50 - 100 % v/v and 99 - 100 % v/v.
Operating a state-of-the-art brewery, requires just-in-time processes, minimized production losses and compliance with tough quality regulations. This is why it is so important to have precisely planned service intervals, trained service personnel and an outstanding supply of original spare parts.

Our dedication to your system continues after the sale. Through comprehensive lifecycle management, Pentair ensures that your installation operates at optimal performance. Pentair’s Service Level Agreements are offered worldwide. They include monitoring of the system via the Internet to help diagnose operational problems, a short engineer response time of 24 hours and faster access to system components. This keeps downtime to a minimum in case of emergency.

Proper planning is key, and maintenance costs can be significantly reduced through accurately planned service intervals. Preventative maintenance helps to minimize maintenance time and unscheduled downtime. All of this contributes to a lower Total Cost of Ownership.

Pentair supports you in creating custom made service plans that perfectly fit your requirements. In addition, Pentair offers plant audits that may relate to processes such as energy savings, increasing operational reliability or the expansion/upgrading of an existing installation. Audits can be carried out externally by means of a simulation or directly on-site.

For operation and service personnel, Pentair offers classroom and hands-on trainings on specific projects. Do not hesitate to contact us for more details on our training program.