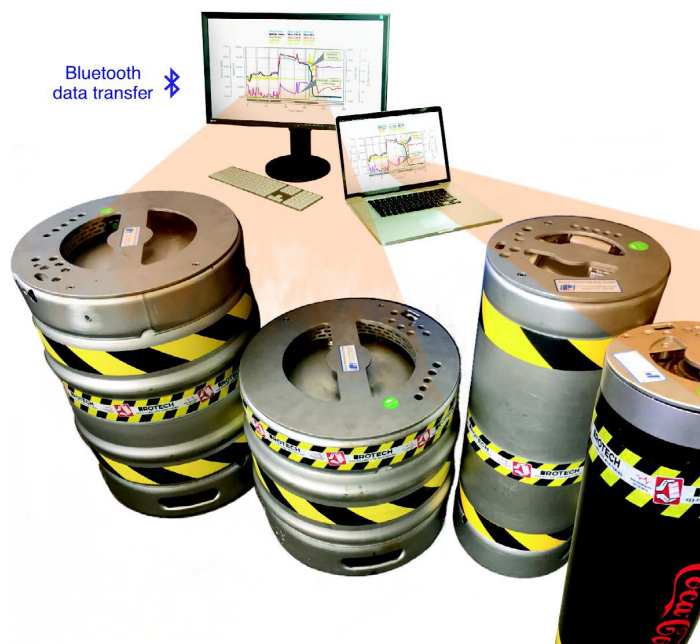


Rotech Keg Filling Line Monitoring System

An essential tool for every brewery with a keg filling line – from smallest manual 2-head to largest 3- or 4-carousel 1,200 kegs/hour



All lines carry out the same basic operations of de-ullage, rinse, detergent wash(es), hot water/steam disinfection, CO2 purge, pressurization, filling.

The Rotech Keg is a conversion of your brewery standard keg – any size or type. It is fitted with non-intrusive sensors and a data logger, and performs exactly the same as the production fleet. It records inside the keg – the only place it matters – 3 temperatures, pressure, liquid volumes, filling/emptying rates.

Send it through the line as normal. Bluetooth data transfer to PC or laptop. Look at results on screen, see exactly what is happening inside the keg during every cycle of washing, disinfection, filling.

Without this information, it is almost impossible to know, among other, if disinfection treatment is adequate (temperature + contact time + steam quality) – or even if all air has been purged from the keg.

Are there any filling or gas-balance problems? – see why? and how to fix.

The Rotech Keg removes all doubt or questions. Its powerful friendly software shows the quality and effectiveness of keg disinfection, and any other problems or opportunities for process improvement.

The record from the Rotech Keg is an independent positive statement of quality – essential for many routine ISO9001 procedures and HACCP responsibilities.

The record is also an independent comprehensive statement of actual line performance at any time – for the line supplier and for the brewery. Use it when commissioning new plant, or after making any changes.

Technical Data:

- » Measurements: 3 Internal temperatures (0-150°C), pressure (-1.0 – 6.0 BarG), clamp status, time, contents (liquid volume), rate of filling/emptying.
- » Units: Temperature: °C/°F
- » Pressure: BarG/Bar/kPa/psig.
- » Altitude compensation for gauge units: Feet/metres
- » Volume: Litres/Gals./US Gals.
- » Fill/empty rate: +/- Litres/Gals./US Gals. per minute.
- » Log frequency: 0.5 seconds standard, programmable.
- » Memory: Non-volatile, 2-3 hours (at 0.5 sec.)
- » Battery: Non-rechargeable, 2 years typical (at 0.5 sec. rate)
- » Data transfer: Bluetooth

Advantages

- » Uses a standard brewery keg (any size or type)
- » Extremely easy to use – single button operation, no loose parts
- » Powerful Windows™-based software with many dedicated keg-line features – makes analysis simple
- » On-screen checks for key parameters – see immediately if out of range – no process knowledge needed
- » Removes all guesswork, line can be optimised with complete confidence
- » Backed by over 20 years keg line experience
- » Rotech Kegs are used in over 45 countries by all major Groups – AB-InBev/SAB-Miller, Heineken, Molson Coors, Carlsberg, Kirin/Lion, Diageo, etc. – and a long list of independents and craft brewers – Damm, Greene-ing, Fuller's, Dogfish, Ballast Point, etc.

Software

Unique dynamic Target Boxes – simple RAG visual checks for operators, shift leaders, QA, Production Managers, on any key parameters and CCPs. Unaffected by line delays/stoppages.

Operators need no process knowledge for essential routine checks. Brewery sets parameters/CCPs, limits, and rules for out-of-tolerance. For example: – GREEN optimum, AMBER caution, RED prohibited.

