

Carousel Filling Systems

Kosan Crisplant's carousel filling system is designed for safe and effective filling of all kinds of LPG cylinders.

- The most effective way of filling LPG cylinders
- High capacity filling, up to 1,800 cylinders per hour
- Fully automatic cylinder flow

- High safety level thanks to intrinsically safe network
- Decentralized control units independent of PC's
- Rapid encoding or automatic reading of cylinder tare
- Control system uptime: 99% – the best on the market
- Total overview of the filling production thanks to PC data collection

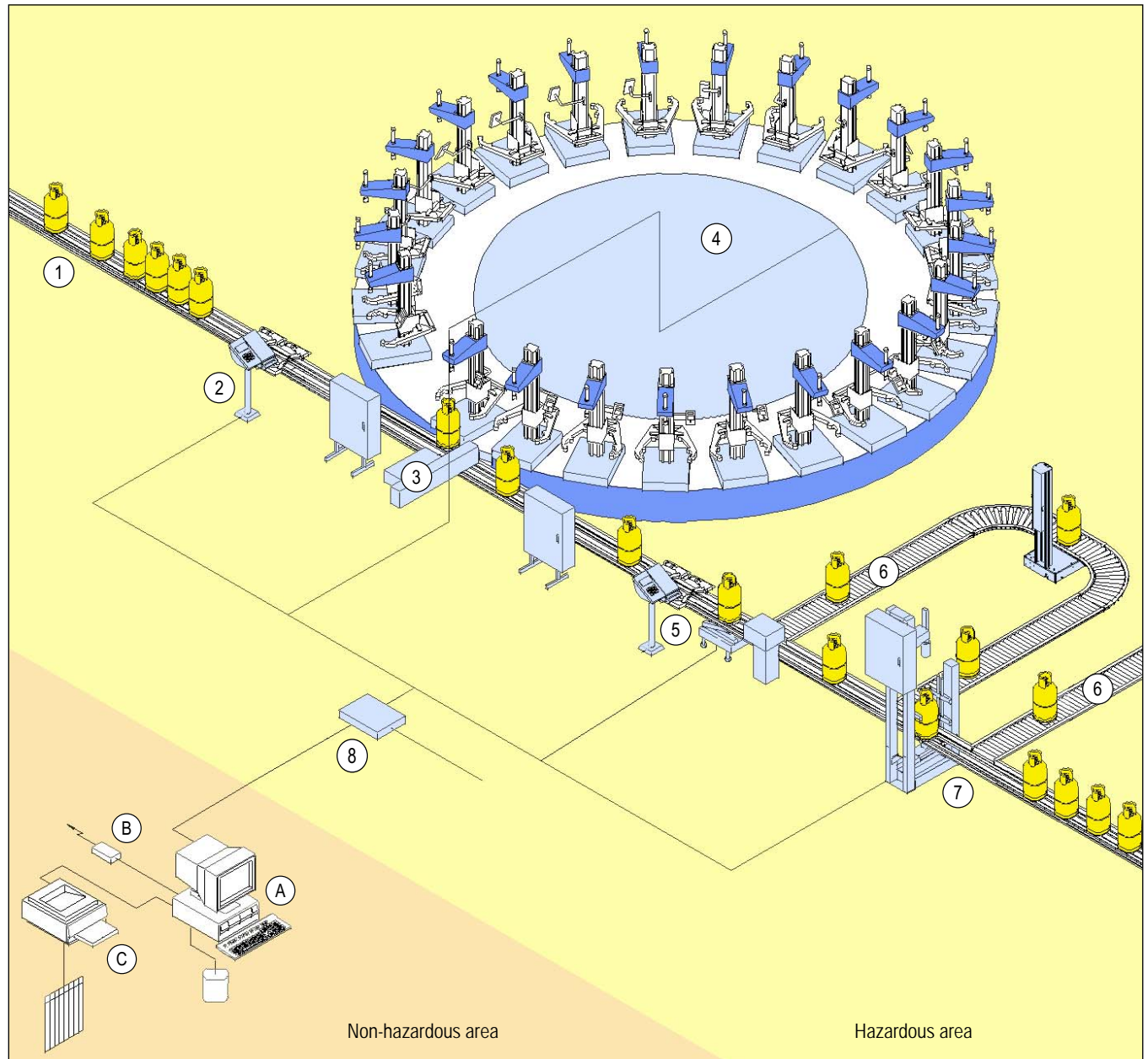
Equipment in hazardous area:

- 1 Chain conveyor
- 2 Encoding station
- 3 Introduction and ejection units
- 4 Filling carousel and filling machines
- 5 Check scale
- 6 Sort-out conveyor
- 7 Leak detector
- 8 Power and data interface

Equipment in non-hazardous area:

- A PC incl. software and database for filling data
- B Modem for connection to KC on-line service
- C Printer for printing reports

Example of carousel filling system





Carousel filling system with UFM universal filling machines

- From 8 to 42 filling machines on the carousel platform – capacity can be adapted to actual and future needs
- Filling machines and filling heads adapted to cylinders and cylinder valves
- PC placed in non-hazardous area can be connected to the system
- Quick and professional service backup by remote control available

Your safety

- All equipment and machines in the filling system are EU approved and designed in accordance with current EU directives EN 50014, EN 50020, EN 50081, EN 50082, EN 55022, incl. the ATEX Directive (94/9/EC)
- All equipment and machines in the filling system are designed for use in hazardous areas classified as Zone 1 according to IEC 79-10 and Class I, Division 1 according to NEC (USA), article 500
- Filling machines and check scales have weighing Accuracy Classification C3 according to OIML R 76/EN45501
- National/local approvals



Introduction and ejection units

Your benefits

- Low installation costs and high safety thanks to intrinsically safe network
- Focus on ergonomics at central tare encoding station
- Few operators and minimized risk of human errors
- No mechanical wear on electrical control equipment, non-touch sensors and swivel connectors
- Optimal logistics and high output (e.g. sorting of cylinders for maintenance before filling)
- Optimal PC data collection tool for effective filling and maintenance



Electronic check scale

- Capacity increase is possible
- Same user interface (HMI/CUC controller) on all machines

Your possibilities

- Semi-automatic or fully automatic system according to valve type
- Automation level can be upgraded according to actual and future needs



ATEX approval certificate