Kosan Crisplant’s in-line filling systems are designed for safe and efficient filling and checking of all kinds of LPG cylinders.

- Suitable system for low capacity filling of industrial cylinders
- Capacity between 50 and 250 cylinders per hour
- Semi-automatic handling of cylinders
- Flexible to different cylinder diameters, heights and cylinder valves
- Filling machines can perform both filling and check weighing
- Flexible solutions – with possibilities of expansion
- Small investment

Example of in-line filling system with filling machines in-line in chain conveyor

A Unloading/loading area
B Driving unit for chain conveyor
C Control desk for control of cylinder flow
D Filling machines
E Check scale and manual leak detector
F Roller conveyor for rejected cylinders
G Cylinder clamp
H Tiltable evacuation rack

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Your benefits

- Low installation costs
- High safety thanks to intrinsically safe network
- Focus on ergonomics
- Minimum manual cylinder handling
- Includes automatics for regulation of cylinder flow
- Controlled cylinder logistics
- Ready for communication with PC for data collection
- Capacity increase is possible

Your possibilities

- Manual or semi-automatic filling head according to valve type
- Parallel filling lines for increased capacity
- 1 to 8 filling machines per filling line
- Weighing principle or mass flow principle
- Can be integrated in chain conveyor or roller conveyor
- Manual or semi-automatic handling of cylinders
- Filling of both domestic and industrial cylinders
- Automation level can be upgraded according to actual and future needs

Your safety

- Ex marking according to the ATEX Directive and applicable EN standards: CE II 2G Ex h IIIB T3 Gb
- All equipment and machines in the filling system are intended for operation in hazardous areas classified as Zone 1 or Zone 2 according to EN/IEC 60079-10-1
- All equipment and machines in the filling system are designed and validated in accordance with a certified ISO 9001 quality management system; furthermore, they are designed according to all relevant requirements set out in applicable EU Directives
- Filling machines and check scales have weighing Accuracy Classification C3 according to DIML R 76/EN45501

Example of in-line filling system with roller conveyor

A Unloading/loading area
B Driving unit for chain conveyor
C Control desk for control of cylinder flow
D Filling machines
E1 Check scale
E2 Electronic leak detector
F Roller conveyor for rejected cylinders
G Cylinder clamp
H Evacuation rack
J Storage area for empty cylinders
K Storage area for filled cylinders