Kosan Crisplant’s UFM universal filling machine is designed for safe and accurate filling of all types of LPG cylinders and valves.

- Most used filling machine in the world
- Weighing principle (load cell) or mass flow principle
- Operation: fully automatic, semi-automatic or manual
- Installation: on carrousels, in-line in roller or chain conveyor, or as standalone unit
- Flexible to different cylinder diameters, heights and cylinder valves
- Modular design with thoroughly tested components
- Competitive price

**Your benefits**

- Satisfied end-users due to accurately filled cylinders
- Savings on LPG because of high filling accuracy and intelligent filling software

1. Semi-automatic filling of industrial cylinders with screw valves including fully automatic opening and closing of valve hand wheel
2. Fully automatic filling of domestic cylinders with centre valves
3. Manual filling of camping cylinders with screw valves
4. Semi-automatic filling of industrial cylinders with centre valves
5. Manual filling of industrial cylinders with screw valves
6. Fully automatic filling of camping cylinders with centre valves
• Low installation costs due to intrinsically safe system
• Minimum maintenance and service requirements
• Low power consumption
• Easy and safe to operate
• High safety due to intrinsically safe system
• Easy adjustment and maintenance (error messages in display)
• Ready for integration in filling system network
• Ready for communication with PC for data collection

Your possibilities
• Carrousel models for high capacity batch filling (from approx. 300 cylinders per hour) and/or for automated filling. Operation can be manual, semi-automatic or fully automatic
• In-line in chain conveyor models for low capacity filling (up to approx. 300 cylinders per hour) or/and for automated handling of cylinders (especially big and/or heavy cylinders)
• In-line in roller conveyor for low capacity filling
• The modular design allows for rebuilding of existing filling machines
• Stationary on floor models for low capacity random or batch filling and/or for filling of cylinders in different sizes/with different valves

Your safety
• Ex marking according to the ATEX Directive and applicable EN standards: II 2G Ex h IIB T3 Gb
• All filling machines are intended for operation in hazardous areas classified as Zone 1 or Zone 2 according to EN/IEC 60079-10-1
• All filling machines 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
• All filling machines have weighing Accuracy Classification C3 according to OIML R 76/EN45501

UFM universal filling machine with double centring device for automatic filling of industrial cylinders with centre valves