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Example of Kosan Crisplant's stainless washing system with washing section and blow-off section

Kosan Crisplant's washing systems specially designed for LPG cylinders are developed in cooperation with leading suppliers of industrial washing machines. The washing systems are highly efficient and ensure optimal cleaning of the cylinders.

- The most efficient washing systems on the market
- Hot water washing with soap
- Extension of the cylinders' life cycle
- End users perceive clean cylinders as safe cylinders
- Clean cylinders lead to increased sales
- Thorough washing of cylinders due to optimal location of nozzles and rotation of cylinders
- Cylinders are dried immediately after washing thanks to a surface-active agent and efficient water blow-off
- Minimum water consumption thanks to recirculation of water and optimal water blow-off
- Minimize corrosive action on the cylinder surface
- Easy cleaning of filters

Your benefits

- All kinds of dirt and grease is removed from the cylinders

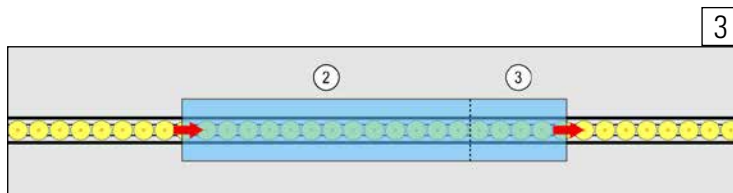
A piping system with fitted nozzles is installed on the inner side of the washing tunnel. The piping system as well as the placement of the nozzles is adapted to the relevant cylinder type(s), which ensures an optimal washing result.



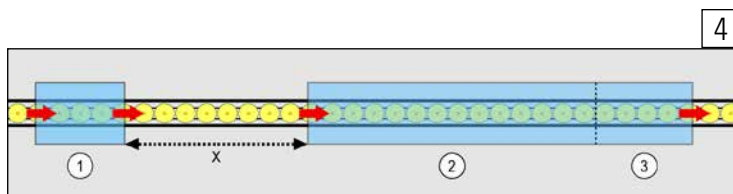
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Your possibilities

- Modular washing tunnel with various processes
- Water tanks with heating elements
- Water tanks with filters
- Rinsing section
- Blow-off section
- Blow-off section
- Machines for various cylinder heights



Kosan Crisplant's standard washing systems consist of a washing section (2) for washing and rinsing of cylinders by means of temperate soapy water, as well as a blow-off section (3) for blowing off excess water of cylinders



In case of particularly dirty cylinders a soap application section can be installed (1) before the washing section. The X distance depends on the time necessary for the soap mixture to dissolve the dirt on the cylinders before rinsing in the washing section (2).

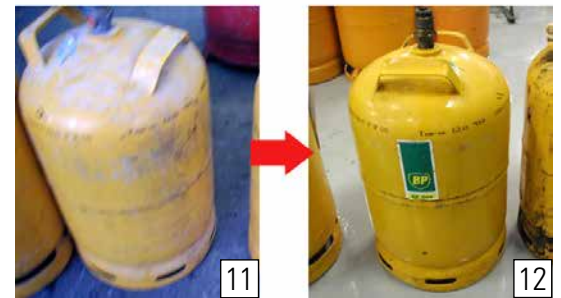
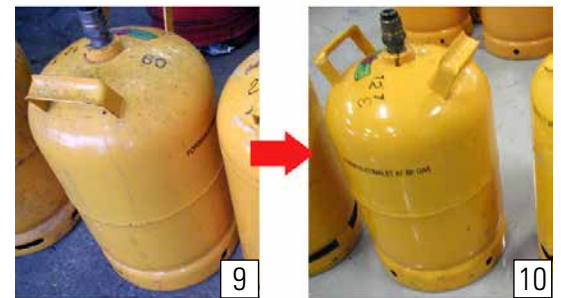
All filters in the washing system are easily accessible and can be cleaned easily and rapidly



Your safety

- Ex marking according to the ATEX Directive and applicable EN standards: $\text{CE} \text{ Ex} \text{ II 2G Ex h IIB T3 Gb}$
- All washing systems are intended for operation in hazardous areas classified as Zone 1 or Zone 2 according to EN/IEC 60079-10-1
- All washing systems 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

Ex-proof motor for water pump



The above series of pictures illustrates cylinders, which have been washed one time in a standard washing system



The integrated heating elements ensure that the soap water has the right temperature