



### Product Features

- particularly suitable for safety-sensitive buildings
- to avoid stagnation acc. to standards and guidelines
- allows water exchange with turbulent flow in drinking water pipes up to DN 50
- Single port (water exchange group) for cold drinking water (PWC)
- wetted metal parts made from dezincification-free and corrosion-resistant gunmetal, resistant to aggressive water, stainless steel and drinking water-approved plastics
- for installation in all installation situations (flush or surface mounted)
- for installation in dry- or prewall installation systems
- compact installation dimensions
- fast assembly using a drilling template
- mounting frame (incl. depth adjustment) and fastening parts
- reversible cover with magnetic push-to-open function and safety catch
- large service opening
- male union thread
- with isolating function for maintenance
- Solenoid valve with integrated fine screen
- Flow and temperature sensor (Pt1000) to record flushing volumes
- Flow = 10l/min (5l/min or 15l/min with optional accessories)
- factory-installed flushing set for commissioning
- tool-free maintenance of all functional components
- integrated overflow monitoring
- integrated anti-siphon trap (> 45 l/min) with removable cap
- Free drain in accordance with DIN EN 1717
- Water trap height 50mm in accordance with DIN 1986-100
- nominal width of drainpipe (DN 40 and DN 50)
- LITE control unit
- no integrated controller logic (control via direct connection of all components to BMS (24 V/4-20 mA))
- Interval, time and volume based flushing measures possible (depending on external flushing logic)
- Temperature based flushing possible (depending on external flushing logic) (only possible with additional temperature sensor)
- expandable by a second water exchange group e.g. for warm drinking water (PWH)

### Standards and Approvals

- DVGW approval
- SVGW approval
- WRAS approval
- KIWA approval
- BELGAQUA approval
- according to accepted materials list from German environmental agency
- soundproofing certification according to DIN EN ISO 3822 Class 1 (up to 30 l/min)

### Technical data

- pressure rating PN 10
- max. operating temperature 70 °C
- protection class IP44
- power supply 24 V DC

| Part no.   | DN | A1    | D1 (mm) | D2 (mm) | H1 (mm) | H2 (mm) | H3 (mm) | H4 (mm) | H5 (mm) | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | T1 (mm) |
|------------|----|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 6890300900 | 15 | G 3/4 | 40      | 50      | 400     | 480     | 297     | 21.8    | 40      | 400     | 398     | 109.5   | 330     | 97      |

| Part no.   | T2<br>(mm) | T3<br>(mm) | max. flow pressure<br>(MPa) | minimum flow pressure<br>(MPa) | nominal<br>connection<br>diameter, waste water (mm) | kg   |
|------------|------------|------------|-----------------------------|--------------------------------|---|------|
| 6890300900 | 38,25      | 19,7       | 0,7                         | 0,1                            | 40 / 50   | 8,00 |

### Accessories

- Aerator set for KHS Hygiene Flush Box PRO, PURE and LITE, figure 689 04 019
- Reversible cover against unauthorised access for KHS Hygiene Flush Box PRO/PURE/LITE, figure 689 04 026

### Spare parts

- Control unit LITE for KHS Hygiene Flush Box, figure 689 04 013
- Solenoid valve for KHS Hygiene Flush Box, figure 689 04 016
- float switch for KHS Hygiene Flush Box, figure 689 04 017
- mounting frame and cover for KHS Hygiene Flush Box, figure 689 04 018
- flow sensor for KHS Hygiene Flush Box LITE, figure 689 04 021
- water exchange group LITE for KHS Hygiene Flush Box, figure 689 04 024
- plug and nozzle for solenoid valve of KHS Hygiene Flush Box, figure 689 04 025