

# G-Series

## QC SYSTEM FOR HIGH FLOW Types: GH-DK \* GH-RK

U.S. Patents 6,357,494; 9,580,197



QC-System for high-flow dispense and fill rates of up to 150L/min with patented key-code system.

### Features:

- High flow-rates for efficient and fast dispensing and filling (\* see remarks)
- Safe and clean handling of chemicals in a close loop system
- All wetted components are made of high purity plastics elastomers. No metal parts
- Built-in check-valve, spillage-free connection and disconnection.
- Built-in vent system.
- Quick and easy coupling to dip-tube
- Dip-tubes available for a wide range of containers from 5-1000L.
- Qualified for high-purity and flammable liquids.
- Dip-tube types: GT2
- Designed for pump systems.
- Modular system for many individual applications.



### Options for versatile applications:

- ▶ Horizontal opening (H)
- ▶ Manual valve
- ▶ Limit switch for signaling, e.g. when connected correctly to the dip tube.
- ▶ Manual (ball valve) with integrated limit switch for signaling of the switching status "open" or "closed"

### Accessories for the perfect handling:



Docking-station



multi-wrench



O-S-S



flexible bellow

### Remarks:

- The G-series "GH-" are **not** compatible to the dip-tubes series DT, DT2- and DT3. Kalrez® is a registered trademark of DuPont Co.
- \* Because of safety reasons, the QC-System for dispensing (GH-DK) has no connection/opening for chemical return. Therefore, a second QC is required for chemical recirculation (GH-RK).

### Technical Specifications:

<b>Materials (basic hull)</b>	<ul style="list-style-type: none"> <li>• PE-HD, PVDF, PFA</li> <li>• CD (electrically conductive)</li> </ul>
<b>Check valve (PCTFE)</b> Dispense Head: Recirculation Head:	<ul style="list-style-type: none"> <li>• Opening Pressure 0.015 bar</li> <li>• Opening Pressure 0.07 bar</li> </ul>
<b>O-ring standard optional</b>	<ul style="list-style-type: none"> <li>• Perfluorelastomer (Kalrez®)</li> <li>• FPM, EPDM</li> </ul>
<b>Flow-rate</b>	<ul style="list-style-type: none"> <li>• max 100 liter/min.</li> <li>• max. 150 liter/min. with ball valve</li> </ul>
<b>Chemical connection</b>	<ul style="list-style-type: none"> <li>• Flare 3/4"-1"</li> <li>• More connections available on request</li> </ul>
<b>Vent connection</b>	<ul style="list-style-type: none"> <li>• NPT 3/8" inner thread</li> <li>• Flare connection</li> </ul>
<b>Dip-tube thread types</b>	<ul style="list-style-type: none"> <li>• GT2-S56, GT2-S62, GT2-S70x6, GT2-S70x5, GT2-S64 (2" buttress)</li> </ul>
<b>Article Number (e.g. dispensing)</b>	<ul style="list-style-type: none"> <li>• GH-DK-PE-019-HF1"-F3/8"</li> </ul> <p>For detailed specifications of individual models please contact our technical sales.</p>

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