

**QC- Dispense Head for automatic connection with robot**  
U.S. PAT.NO. 6,357,494



**Applications**

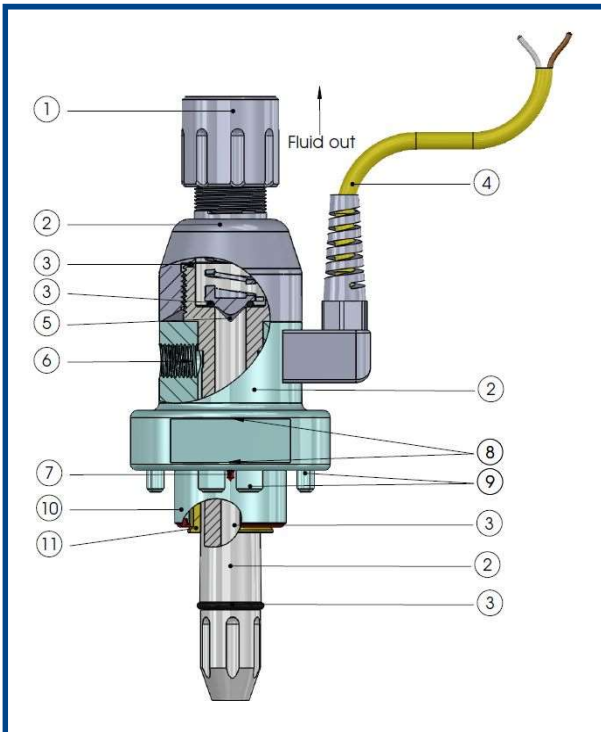
**PROCESS CONTROL READY:**

The Robotic Controlled Dispense Head enables e.g. a safe control of pump and valve. With built-in electrical switch to check connection, an optical recognition system is required for positioning of the dispense head and the key-code disk.

The AS Dispense System is certified for aqueous and flammable chemicals.

- Extremely safe
- Quick to install
- Easy to handle

No spillage or splashing of chemicals. Modular system, designed for pumping systems. The Quick Connect is engineered for multi-way use with the dip-tubes installed for all standard containers for chemicals, IBC's (totes), drums and canisters: from 10 to 1000 liters.



**Technical Specifications:**

- (1) PE-HD. 1/2" or 3/4" Flaretek<sup>®</sup> nut for dispense port. Optional PVDF.
- (2) PE-HD. A precision tool made from **high purity plastics**. Optional PVDF.
- (3) Kalrez<sup>®</sup> **O-ring seals** for leak free connection
- (4) connector  **cable** for electrical switch
- (5) with integrated PCTFE **check-valve**
- (6) **N<sub>2</sub> / vent inlet** 1/4", (closed loop system); available with different fitting sizes (Flaretek<sup>®</sup>)
- (7) PVC red **orientation pin** for positioning onto the dip tube
- (8) **fixing surface** for gripping system of robot
- (9) PE-HD or PVDF **fixed coding-disk** with pins for 84 key-codes for chemicals. (Optional: 165 key-codes)
- (10) No locking (**Robot holds**)
- (11) Electrical **switch**

All wetted components are PE-HD, (optional: PVDF), PCTFE with o-ring seals of Kalrez<sup>®</sup>. Non-wetted components are PVDF and PVC. The total height of the Dispense Head is 202 mm.

**Order No.** DH-DYK-PE-XXX-FX/X-FX/X

- FX/X = F1/2" or F3/4" for mounting tube <sup>(1)</sup>
- FX/X = F1/4, F3/8" or F1/2" for N<sub>2</sub>/ vent <sup>(6)</sup>

**Note**

Flaretek<sup>®</sup> is a registered trademark of Fluoroware, Inc.  
Kalrez<sup>®</sup> is a registered trademark of DuPont Co.

**QC-System – a product from AS Strömungstechnik GmbH | [www.asstroemungstechnik.de](http://www.asstroemungstechnik.de)**

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