

Operating Instruction for Quick-Connect Dispense System

from

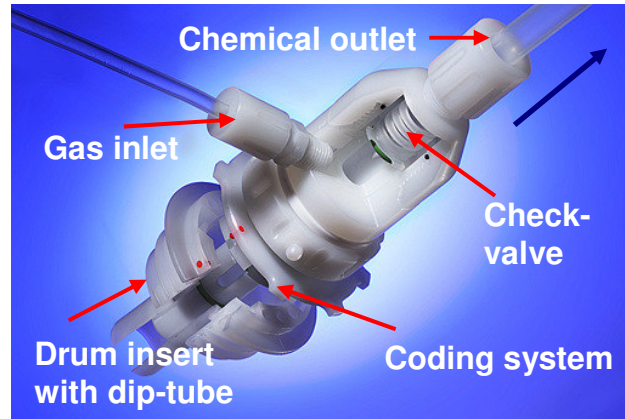


Dispense head Wick Connect QC2

89700 Dispense head $\frac{1}{2}$ " complete

89715 Dispense head $\frac{3}{4}$ " complete

(1" size available on request)



Please read the following information carefully before using for the first time.

This dispense head is designed to be used for contamination free dispensing of ULTRA PURE CHEMICALS (Acids, Etching Mixtures, Bases etc.). The QUICK CONNECT SYSTEM can be key-coded to prevent unsafe chemical mixing. It is possible to use the dispense head for recirculation. Please turn recoil spiral before connection.

Conditioning

The dispense head is a machined plastic, ultrasonically cleaned and packed in a polyethylene bag. Connect gaskets are made of perfluoro-elastomer (Kalrez[®]). On initial use, discard approximately the first liter of product dispensed. For using XLSI grade or SLSI100 grade (100 ppt) chemicals call us or the vendor of the electronic chemical.

Safety indications

The dispense head is made of high-density polyethylene. This material is usable up to 5 years with most materials and up to 2 years with oxidizing chemicals. The system is constructed for use with pumps.

Key-code

Coding disk and VITON counter ring are optional. The system functions with pins and holes. Please call us to discuss products and key codes.

Dismantling the coding disk

Remove the black O-ring.

Installation and extraction procedure

1. Connect the dispense head ($\frac{1}{2}$ " or $\frac{3}{4}$ " -Flaretek screw-cap) to your pump, coupling the lateral $\frac{1}{4}$ ", $\frac{3}{8}$ " or $\frac{1}{2}$ " Flaretek screw-cap for ventilation. The tubing to the pump must be flexible enough, so that the dispense head can be connected to the container without side forces.
2. Remove the dust cover from the bung
3. Open the $\frac{3}{4}$ " closure with original plastic wrench.
4. Position dispense head vertically on connecting port. With coding disk - centralize the two colored marks. If chemical code matches, coding disk locks in. Screw the dispense head into position.
5. Start dispensing chemical with pump.

Dismantlement

1. Unscrew dispense head from drum.
2. Remove dispense head slowly.
3. Screw the bung on drum.
4. Cover the bung with the dust cover.

Features

Housing: High density polyethylene

Nut: PVDF

O-ring: Kalrez (Perfluoro elastomer)

Check Valve: 0.2 bar pressure

Connect system: Flaretek $\frac{1}{2}$ " (fluid side) and thread $\frac{1}{4}$ " (gas side) or Capsule Particle-filter 0.2 micron.

Accessories / Spare parts

79003 Plastic wrench

89701 Coding disk and VITON -counter ring

89702 O-ring Perfluoro elastomer (fluid side), 15.54 x 2.62 mm

89703 O-ring Perfluoro elastomer (gas side), 28.17 x 3.53 mm

89706 Flaretek - Fitting $\frac{1}{4}$ " PFA C4-4FN-1

89905 Capsule - Particle-filter 0.2 (Gas filter $\frac{1}{4}$ "-thread)



Drum opener

The supplier of chemicals is responsible for safe chemical transportation.

For closing drums or containers with Quick Connect QC2, dip tubes, closures or adaptors we recommend the following closure torques: 35Nm +5 (S62 drum thread).

The connection between dip-tube and dispensing-head will be achieved by hand-tighten of the screw nut.

(Be careful: don't over-tighten by extensive force to avoid damage of dispense head or a short life time of the O-ring).

Distributed in Asia:

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Handling Procedure for Quick-Connect System:

At first you will have to completely remove the plastic wrapping and dust covers from the delivered packaging within the grey zone.



After removal of the dust shield cap the drum will be ventilated via the 3/4"-plug by using the QC-Tool. Exhausting gases have to be sucked off.



The 3/4"-plug remains on the tool.



The QC-dispensing head will be inserted into the dip-tube and positioned correctly by aligning the code-disk. The tubing must be flexible enough for safe connection and to avoid damage of the QC2-dispense head.



See colored markings on code-disk and dip-tube.



The connection between dip-tube and dispensing-head will be achieved by hand-tighten the screw nut.



If you want to disconnect the drum, release the screw nut, but keep the dispensing head in its position for a short while.



Then put it back to its stationary position.



Close the dip-tube with the 3/4"-plug hand-tight ...



... and protect it with the dust shield cap.



Finally, we would like to give you an overview regarding the application of our QC-system. The QC-system operates packaging from 10 l to 1,000 l. We would like to emphasize the usage of the conductive polymer type for flammable solvents.