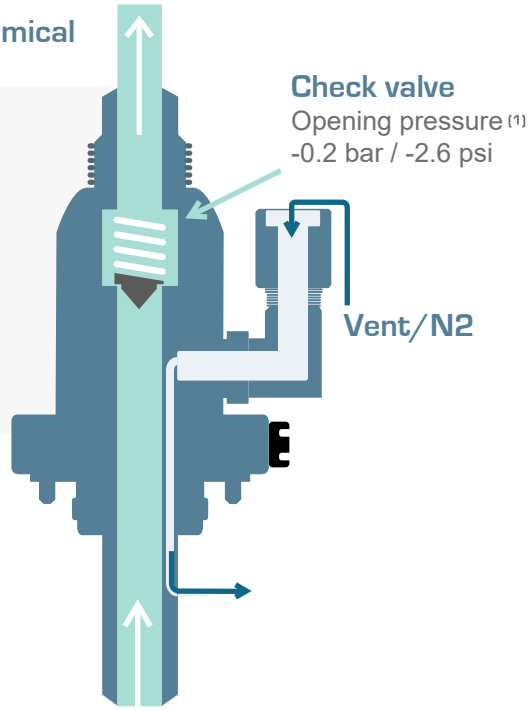
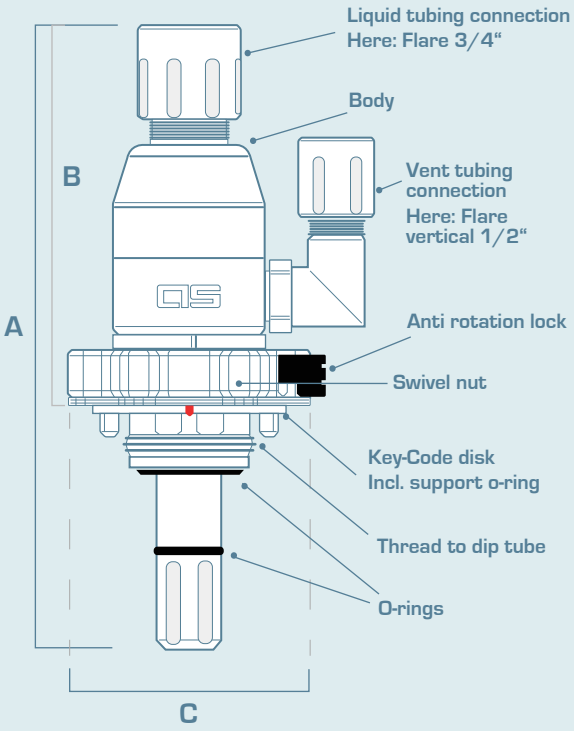
QC2 Dispense head with check valve
and vertical Flare connection

CONFIGURATION

Product line: QC2
Function: Dispense and vent
Valve in liquid channel: Check valve
Options / Sensors: None
Compatible Dip Tube Type: "DT-"
Available key-codes: 84 options
Liquid port connection: Flare vertical
Vent port connection: Flare

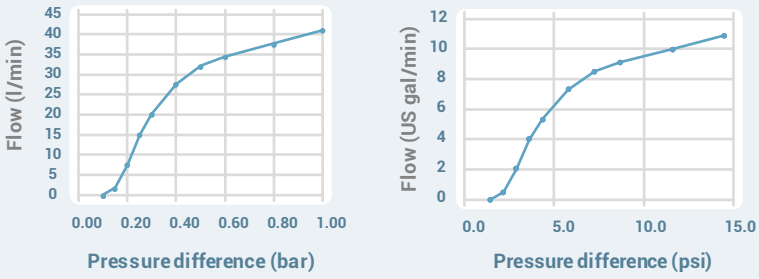




Max. Flow: 25 l/min / 6.6 gpm

Tested configuration

QC2 Dispense Head with vertical Flare 3/4" connection and check valve



Test setup according to DIN EN 60534 with water flow.
Data for different configurations available upon request.

LIQUID CONNECTION	A TOTAL HEIGHT [1]	B HEIGHT ABOVE DIP TUBE [1]	C WIDTH HAND NUT [1]	WEIGHT [1] PE	WEIGHT [1] PVDF	WEIGHT [1] CD	WEIGHT [1] CDPVDF
Vertical	cm/inch	cm/inch	cm/inch	kg/lbs	kg/lbs	kg/lbs	kg/lbs
Flare 3/8“	19 / 7.6	11 / 4.3	Ø9 / 3.3	0.2 / 0.5	0.4 / 0.8	0.4 / 0.9	0.5 / 1.1
Flare 1/2“	20 / 7.7	11 / 4.4	Ø9 / 3.3	0.2 / 0.5	0.4 / 0.8	0.4 / 0.9	0.5 / 1.1
Flare 3/4“	20 / 7.8	11 / 4.5	Ø9 / 3.3	0.3 / 0.6	0.4 / 0.9	0.4 / 0.9	0.5 / 1.2
Flare 1“	20 / 8.0	12 / 4.6	Ø9 / 3.3	0.3 / 0.7	0.5 / 1.0	0.5 / 1.1	0.6 / 1.3

[1] *Displayed weights, dimensions (inch) and opening pressure are based on standard configurations and rounded to one decimal place, dimensions in cm are rounded to whole cm. Weight of vent fittings not included.*

QC2 Dispense head with check valve
and vertical Flare connection

Available materials for this configuration:

High purity	*Qualified for high purity semiconductor and pharmaceutical applications.*	HDPE
		PVDF
Electrically Conductive	*For applications with flammable liquids in explosion-proof environments.*	CD
		CDPVDF

**Further materials are available upon request.*

Available Liquid connection sizes for this configuration:

3/8“	*Horizontal liquid connections and other types of connections e.g. Pillar or threads are available upon request.*
1/2“	
3/4“	
1“	

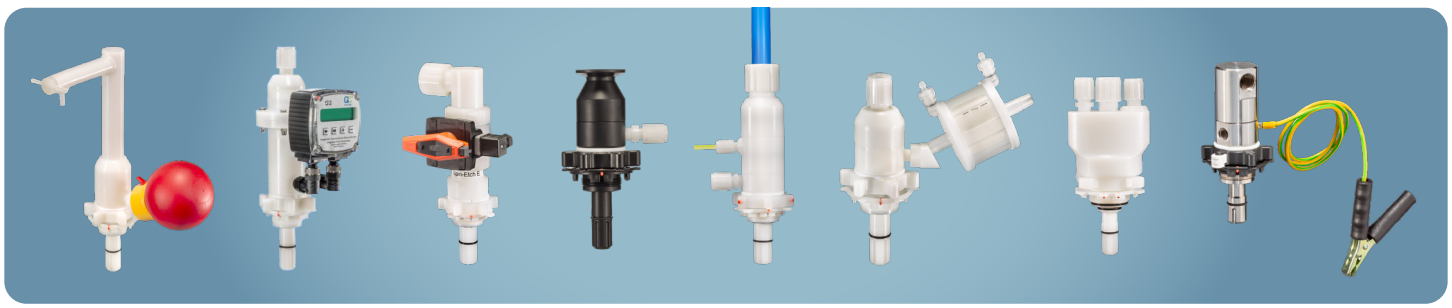
Available Vent connection sizes for this configuration:

1/4“	*Other types of connections e.g. Pillar as well as particle filters and venting valves are available upon request.*
3/8“	
1/2“	

MATERIALS OF CONSTRUCTION		PE	PVDF	CD	CDPVDF
Wetted parts	Body	HDPE	PVDF	PP elec. conductive	PVDF elec. conductive
	Check valve	Fluoropolymer			
	O-rings	Standard: FFKM (Kalrez® 6375) Alternatives: EPDM, FKM, FFKM with FDA compliance			
Non-wetted parts	Key-code disk support ring	Standard: FKM Alternatives: FFKM, EPDM			
	Thread to dip tube	Standard: PVDF Alternative: PCTFE	Standard: PVDF	Standard: CDPVDF Alternative: CDPFA[2]	Standard: CDPVDF
	Flare nuts on liquid and vent connections	Standard: PVDF Alternative: PFA[2]		Standard: CDPVDF Alternative: CDPFA[2]	
	Others	PP / HDPE / PTFE			
	Grounding wire	N / A		1 meter wire with clamp (not displayed on drawing)	

[2] *Threaded parts made of PFA or CDPFA have a lower hardness and strength than threads made of PVDF and CDPVDF and are therefore only recommended if PVDF / CDPVDF is chemically not resistant.*

The perfect dispensing head for every application
Over 1000 different configuration options



ORDER NUMBER:

DH-DK -PE-XXX-F3/4“-F1/2“-

QC2 Dispense Head with check valve

For other product lines, recirculation / fill heads, valves and further options like sensors refer to the individual data sheet or configure your dispense head online.

Wetted O-rings

K = FFKM (Kalrez® 6375)

F = FKM

E = EPDM

L = FFKM with FDA compliance

Non-wetted O-ring holding key-code disk

Blank = FKM (Standard)

K = FFKM (Alternative)

E = EPDM (Alternative)

Body material

PE = HDPE high purity

PVDF = PVDF high purity

CD = PP elec. conductive

CDPVDF = PVDF elec. conductive

Chemical Key-Codes

XXX	Uncoded
003	Acetic acid (CH3COOH)
063	Acetone (CH3-CO-CH3) Ex
005	Ammoninum fluoride solution (NH4F)
004	Ammonium hydroxide solution (NH4OH)
014	BOE 1 (AF 500:1)
015	BOE 2 (AF 9:1 und BOE 20:1)
061	BOE 3 (AF LST)
062	BOE 5 (AFW LST) with water and surfactant
071	BOE 6 (AF 8:1)
031	EBR 1 Ex
032	EBR 2 Ex
070	EKC265
006	Hydrochloric acid (HCl)
011	Hydrofluoric acid < 20% (HF)
012	Hydrofluoric acid 20% - 60% (HF)
059	Hydrofluoric acid 61% - 75% (HF)
007	Hydrogen peroxide (H2O2+H2O)
024	IPA Isopropyl alcohol (Isopropanol) Ex
001	Nitric acid (HNO3)
066	PGMEA Ex
010	Phosphoric acid (H3PO4)
017	Potassium hydroxide solution (KOH)
009	Sodium hydroxide solution (NAOH)
045	Spin-Etch D
046	Spin-Etch E
002	Sulfuric acid (H2SO4)
019	TMAH 1 25% with tenside
029	TMAH 2 2,38% with tenside
030	TMAH 3 with tenside
034	TMAH 4 with tenside
035	TMAH 5 2,38% without tenside

For more chemical key-codes please refer to our technical brochure or contact our technical sales team.

Liquid port connection

F3/8“= Flare 3/8“ vertical

F1/2“= Flare 1/2“ vertical

F3/4“= Flare 3/4“ vertical

F1“= Flare 1“ vertical

Horizontal liquid connections and other types of connections e.g. Pillar or threads are available upon request.

Vent port connection

VF1/4“= Flare 1/4“ vertical

VF3/8“= Flare 3/8“ vertical

VF1/2“= Flare 1/2“ vertical

F1/4“= Flare 1/4“ horizontal

F3/8“= Flare 3/8“ horizontal

F1/2“= Flare 1/2“ horizontal

NPT3/8 = Female NPT3/8“

**Other types of connections e.g. Pillar as well as particle filters and venting valves are available upon request.*

Non-wetted materials

Blank = Standard configuration

S = Alternative configuration for thread to dip tube and flare nuts (see non-wetted parts section in table on page 2)

Need help with choosing the best configuration or material for your dispense head? Check out our online configurator **www.mydispensehead.com** or contact our technical sales team.

Disclaimer:

Please note that all data and specifications presented on this product data sheet, including dimensions, weight, flow rates, and pressures, are approximate and provided for reference purposes only. Actual values may vary slightly due to manufacturing tolerances, variations in raw material composition, and other factors inherent in the production process. While we strive to provide accurate and up-to-date information, we cannot guarantee that all data is completely precise. We recommend verifying critical dimensions and performance criteria for specific applications.
Furthermore, we reserve the right to make changes to our products at any time and without prior notice, unless explicitly agreed on otherwise, as part of our continuous effort to improve product quality and performance. This includes modifications to the design, materials, illustrations, and the variants listed herein. AS assumes no liability for any discrepancies or deviations in the data provided or for any changes made to product specifications.

6 good reasons for the QC-System®:

- Clean delivery with preinstalled dip tube
- Fast connection with easy to use key code system that prevents chemical mix-ups
- Emission-free dispensing with integrated ventilation
- Drip-free disconnection
- High purity and chemically resistant materials
- Worldwide in use, well-known references

Chemical consumers from a wide range of industries already rely on the AS QC System® worldwide

Electronics	Semiconductors Solar technology and photovoltaics Flat screens
Industry	Electroplating Chemicals Printing/Paper Water treatment Automotive / mechanical engineering Adhesives Glass Agriculture

Pharmacy / Biotechnology / Cosmetics /Foods

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SIMPLY CONFIGURE ONLINE!

Create your individual AS dispense heads with just a few clicks.

www.mydispensehead.com

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