CQH/CQV SERIES

The CQH and CQV Series are designed for high-purity use and feature all plastic construction. Molded, virgin materials and lubricant-free design enable use in the most demanding applications. Broad chemical compatibility and cleanroom manufacturing make them ideal for use in critical wet processes.

Features	Benefits
100% metal free	No risk of metal contaminants or corrosion
High flow valve design	High flow in a compact package
Disconnect under pressure	Speeds servicing and reduces risk of injury
Polypropylene and PVDF	Broad chemical compatibility

Visit **www.colder.com** for information about CQH and CQV modified product options.

Actual size

Specifications

CQH Pressure: 0 - 80 psig (0 - 5.5 bar)

CQH Temperature:
32°F to 225°F (0°C to 107°C)

CQH Materials:
Main components:
Natural, virgin polypropylene

Valve o-rings:
FKM (black)

External insert o-ring:
Simriz® FFKM perfluoro (black)

Valve (wetted) and thumb latch spring: PEEK®

Flare nuts: PVDF

Lubricants: None used

CQV Pressure: 0 - 80 psig (0 - 5.5 bar)

CQV Temperature:
0°F to 225°F (-18°C to 107°C)

CQV Materials:
Main components:
Natural, virgin PVDF

Valve o-rings:
Chemraz FFKM perfluoro (white)

External insert o-ring:
Chemraz FFKM perfluoro (white)

Valve (wetted) and thumb latch spring: PEEK
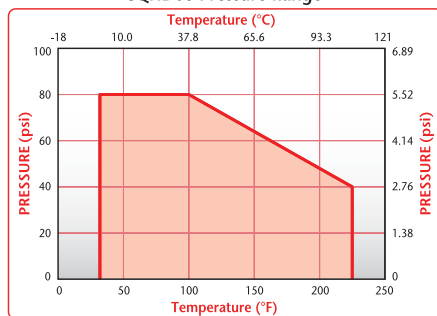
Flare nuts: PVDF

Lubricants: None used

Spillage/air inclusion:
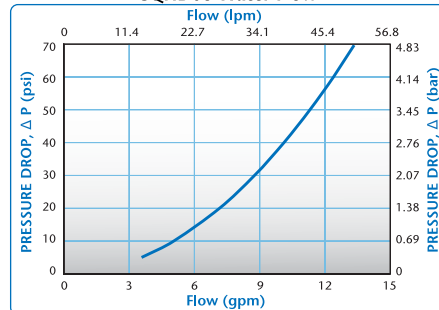~1.5 cc (ml)/disconnect (reconnect)

Tubing Sizes:
1/4" to 1/2" flare; 3/8" to 3/4" NPT

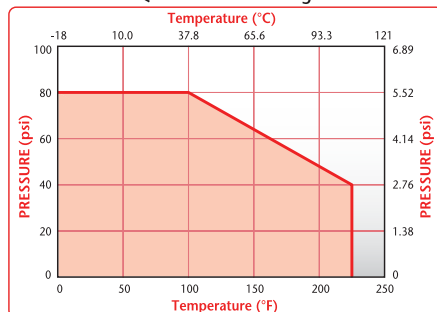**NOTE:** CQH & CQV are also available with optional PPS springs and Chemraz FFKM or EPDM seals.

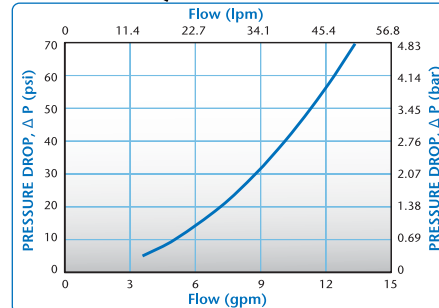### CQHD06 Pressure Range

CQHD06 Water Flow

CQVD06 Pressure Range
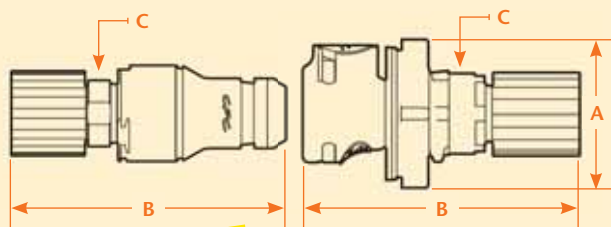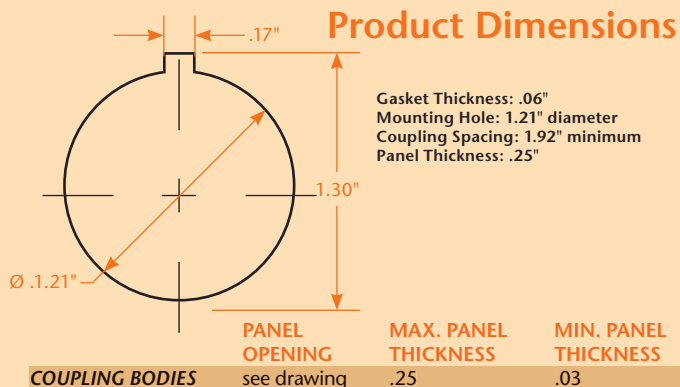

CQVD06 Water Flow

These graphs are intended to give you a general idea of the performance capabilities of each product line. The shaded area of each graph represents the operating range of the product family, i.e., upper and lower values are shown. Therefore, depending on the exact coupling configurations selected, you can reasonably expect values to fall within the shaded area.

Product Dimensions

.17"

Gasket Thickness: .06"
Mounting Hole: 1.21" diameter
Coupling Spacing: 1.92" minimum
Panel Thickness: .25"

1.30"

Ø .1.21"

A = Height/Diameter
B = Total Length (including valve)
C = Hex Size on Main Component

COUPLING BODIES	PANEL OPENING	MAX. PANEL THICKNESS	MIN. PANEL THICKNESS
	see drawing	.25	.03

CQH Coupling Bodies
POLYPROPYLENE

TERMINATION IN-LINE	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
	1/4" OD	Flare compression	CQHD06100104	1.44	3.32	
	3/8" OD	Flare compression	CQHD06100106	1.44	3.38	
	1/2" OD	Flare compression	CQHD06100108	1.44	3.38	
	3/8" Taper	Male NPT	CQHD06100206	1.44	2.73	1.00

TERMINATION PANEL MOUNT	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
	1/4" OD	Flare compression	CQHD06110104	1.82	3.32	
	3/8" OD	Flare compression	CQHD06110106	1.82	3.38	
	1/2" OD	Flare compression	CQHD06110108	1.82	3.37	
	3/8" Taper	Male NPT	CQHD06110206	1.82	2.73	1.00

CQH Coupling Inserts
POLYPROPYLENE

TERMINATION IN-LINE	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
	1/4" OD	Flare compression	CQHD06200104	1.00	2.49	
	3/8" OD	Flare compression	CQHD06200106	1.00	2.55	
	1/2" OD	Flare compression	CQHD06200108	1.00	2.56	
	3/8" Taper	Male NPT	CQHD06200206	1.16	1.90	1.00
	3/4" Taper	Male NPT	CQHD06200212	1.16	2.26	1.00

CQV Coupling Bodies
PVDF

TERMINATION IN-LINE	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
	1/4" OD	Flare compression	CQVD06100104	1.44	3.31	
	3/8" OD	Flare compression	CQVD06100106	1.44	3.38	
	1/2" OD	Flare compression	CQVD06100108	1.44	3.37	
	3/8" Taper	Male NPT	CQVD06100206	1.44	2.70	1.00

TERMINATION PANEL MOUNT	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
	1/4" OD	Flare compression	CQVD06110104	1.82	3.24	
	3/8" OD	Flare compression	CQVD06110106	1.82	3.38	
	1/2" OD	Flare compression	CQVD06110108	1.82	3.37	
	3/8" Taper	Male NPT	CQVD06110206	1.82	2.70	1.00

CQV Coupling Inserts
PVDF

TERMINATION IN-LINE	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
	1/4" OD	Flare compression	CQVD06200104	1.00	2.41	
	3/8" OD	Flare compression	CQVD06200106	1.00	2.57	
	1/2" OD	Flare compression	CQVD06200108	1.00	2.57	
	3/8" Taper	Male NPT	CQVD06200206	1.16	1.89	1.00

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

CPC | **Call toll free 1-800-444-2474 or visit us at www.colder.com**

CQG SERIES

Actual size

patented

Specifications

Pressure: 0 - 80 psig (0 - 5.5 bar)

Temperature:
32°F to 150°F (0°C to 66°C)

Materials:
Main components:
Natural, virgin polypropylene

Seals: FKM (Simriz® FFKM optional)

Springs (non-wetted): Hastelloy® C

Flare nuts: PVDF

Lubricants: None used

**Dual Containment Nut
and Panel Mount Fitting:**
Virgin, natural polypropylene

Flare nuts: PVDF

Panel nuts: HDPE

Panel mount o-rings: FKM

Spillage/air inclusion:
<0.1 cc (ml)/disconnect (reconnect)

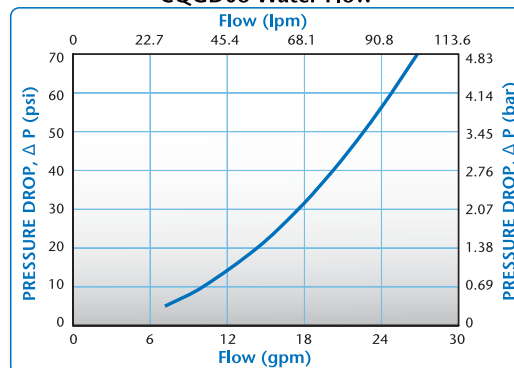**Panel Mount:** Optional adapter kit
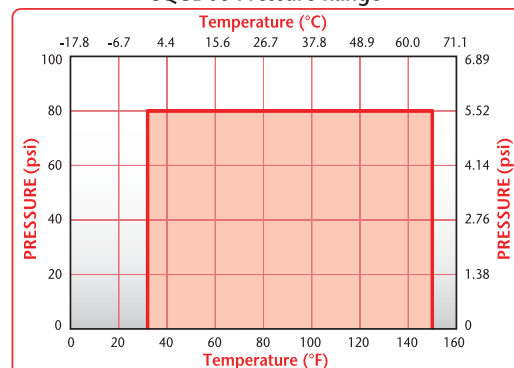
Tubing Sizes:
3/8" to 3/4" flare; 3/8" to 3/4" NPT

Visit **www.colder.com** for information
about CQH and CQV modified product options.

The CQG06 Series high purity couplings feature our
patented pressure-balanced, non-spill design. Molded virgin
polypropylene and a 100% springless flow path provide broad
chemical resistance and exceptionally high flow capacity, allowing
instant disconnects (and reconnects), even under pressure.

Features	Benefits
Non-spill design	Ultimate protection from chemicals and fumes
Pressure-balanced	Failsafe disconnect, even under pressure; easy to reconnect at high pressure
Springless flow path design	Eliminates source of metallic contaminants

CQGD06 Water Flow
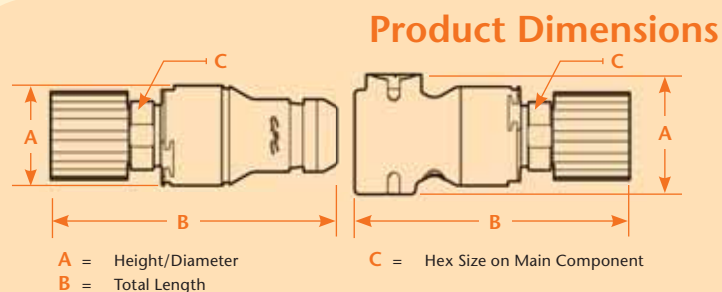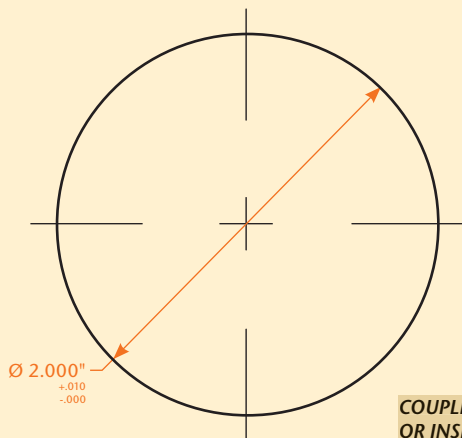

CQGD06 Pressure Range

These graphs are intended to give you a general idea of the performance
capabilities of each product line. The shaded area of each graph represents
the operating range of the product family, i.e., upper and lower values
are shown. Therefore, depending on the exact coupling configurations
selected, you can reasonably expect values to fall within the shaded area.

Product Dimensions

Ø 2.000"
+.010
-.000

A = Height/Diameter
B = Total Length
C = Hex Size on Main Component

	PANEL OPENING	MAX. PANEL THICKNESS	MIN. PANEL THICKNESS
COUPLING BODIES OR INSERTS	see drawing	.50	.12

Coupling Bodies
POLYPROPYLENE

TERMINATION	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
IN-LINE BODIES	3/8" OD	Flare compression	CQGD06100106	1.96	4.21	
	1/2" OD	Flare compression	CQGD06100108	1.96	4.42	
	3/4" OD	Flare compression	CQGD06100112	1.96	4.49	
	1/2" Taper	Male NPT	CQGD06100208	1.96	3.81	1.00

Coupling Inserts
POLYPROPYLENE

TERMINATION	TUBING/THREAD SIZE	TERMINATION TYPE	SHUTOFF	A	B	C
IN-LINE INSERTS	3/8" OD	Flare compression	CQGD06200106	1.62	4.35	
	1/2" OD	Flare compression	CQGD06200108	1.62	4.45	
	3/4" OD	Flare compression	CQGD06200112	1.62	4.63	
	3/8" Taper	Male NPT	CQGD06200206‡	1.62	3.81	1.00
	1/2" Taper	Male NPT	CQGD06200208	1.62	3.95	1.00
	3/4" Taper	Male NPT	CQGD06200212‡	1.62	4.15	1.00

All measurements are in inches (millimeters) unless otherwise noted.
Tubing must meet stated inside and outside diameters.

Panel Mount Adaptor
POLYETHYLENE

	DESCRIPTION	PART NO.
	Panel mount adapter kit (fits both bodies & inserts)	CQG06PMKIT01

ChemQuik® Dual Containment Flare Nuts

The ChemQuik® Dual Containment System is an easy way to "double contain" critical chemical lines, protecting plant and personnel in case a primary process line ruptures or "sweats". The system provides a protective secondary line to catch any fluid and routes it to a safe location.

These fittings work with any ChemQuik coupling with fine thread flare terminations or a common flare style fitting. In addition, the panel mount version can be mounted into a pump cabinet or other panel mount connection point. The primary line can then be routed from the coupling directly to a pump, connected to a ChemQuik coupling or to a fitting at the panel mount fitting.

The "weep port" serves to vent the area between the primary and secondary lines so that pressure cannot build up in case of a primary line rupture. The leaking fluid can then be routed to a containment vessel or to a leak detector.

POLYPROPYLENE

FLARE NUT	DESCRIPTION	FLARE FITTING	DESCRIPTION
CQDCNUT0408	Dual containment nut, 1/4" OD process line x 1/2" OD secondary containment line.	CQPMDCNUT0408	Panel mount dual containment nut, 1/4" OD Process line x 1/2" OD secondary containment line.
CQDCNUT0612	Dual containment nut, 3/8" OD process line x 3/4" OD secondary containment line.	CQPMDCNUT0612	Panel mount dual containment nut, 3/8" OD Process line x 3/4" OD secondary containment line.
CQDCNUT0812	Dual containment nut, 1/2" OD process line x 3/4" OD secondary containment line.	CQPMDCNUT0812	Panel mount dual containment nut, 1/2" OD Process line x 3/4" OD secondary containment line.
CQDCNUT1216	Dual containment nut, 3/4" OD process line x 1" OD secondary containment line.	CQPMDCNUT1216	Panel mount dual containment nut, 3/4" OD Process line x 1" OD secondary containment line.

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Patent Pending

Specifications

Pressure:
Uncoupled: Vacuum to 45 psig, 3.1 bar
Coupled: Vacuum to drum rating

Temperature:
Drum insert: -20°F to 120°F (-20°C to 49°C)
Coupler: HDPE, 32°F to 120°F (0°C to 49°C)
PVDF, 0°F to 120°F (-18°C to 49°C)

Materials:
Drum insert & dip-tube:
Virgin polyethylene (HDPE)

Shipping plug:
Virgin polyethylene (HDPE)

Coupler:
Virgin polypropylene (DrumQuik PRO)
Virgin PVDF (DrumQuik PUR)

Spring (coupler only):
316 stainless steel, Hastelloy® C, virgin PEEK UHP, PPS or PTFE encapsulated 316 stainless steel (TESS)

Seals:
Coupler seals: EPDM, FKM, Simriz® UHP FFKM Perfluoroelastomer

Bung seal: Polyolefin, EPDM, FKM

Shipping plug seal: EPDM, FKM

Torque specifications:
2" Buttress - 20ft-lbs (27 N m)
BCS 56x4 - 20ft-lbs (27 N m)
2" NPS (plastic drum) - 20ft-lbs (27 N m)
2" NPS (steel drum) - 15ft-lbs (20 N m)
Shipping plug - 15Inch-lbs (1.7 N m)

NOTE: The torque specifications listed above are general recommendations which may need to be adjusted + or – depending on specific application.

The DrumQuik PRO dispensing system has been UN/DOT certified with many common drums and IBCs for use with hazardous chemicals per 49 CFR 178 and German BAM 11027.

DrumQuik® PRO and DrumQuik® PUR

dispensing systems are used with common pumps to create a closed transfer system for both general and high purity chemicals. These easy-to-use products meet the strict safety requirements of chemical handling applications as well as the demands of harsh operating environments. DrumQuik® dispensing systems minimize chemical exposure and facilitate the delivery of chemicals from bulk transfer containers to end use applications.

For general chemical dispensing DrumQuik PRO offers a rugged and cost-effective solution. DrumQuik PUR is a 100% metal free, cleanroom packaged, PVDF product designed specifically for applications demanding the highest level of purity. All materials are compliant with FDA standards for food and consumables applications.

DrumQuik PRO & DrumQuik PUR Water Flow
Performance with pump suction

$C_V \sim 3.6$
$K_V \sim 51.7$
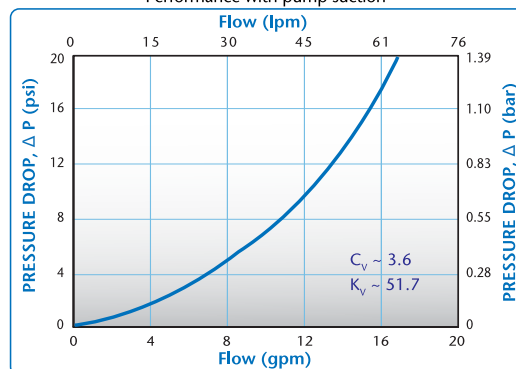
The graph above characterizes the flow of the DrumQuik PRO with the coupler vent port open to the atmosphere and a pump drawing liquid out.

Visit **www.colder.com/dqpro** and click on Flow Performance Graphs for flow performance with other possible plumbing configurations.

Couplers: Polypropylene

DRUMQUIK PRO

PART NUMBER	DESCRIPTION
DQPRO120312	3/4" Hose barb (EPDM seals, 316 SST spring)
DQPRO120208	1/2" Male NPT (EPDM seals, 316 SST spring)
DQPRO120208202	1/2" Male NPT (FKM seals, 316 SST spring)
DQPRO120208206	1/2" Male NPT (EPDM seals, Hastelloy C spring)
DQPRO120208207	1/2" Male NPT (FKM seals, Hastelloy C spring)
DQPRO120712	3/4" Male BSPP (EPDM seals, 316 SST spring)
DQPRO120712202	3/4" Male BSPP (FKM seals, 316 SST spring)
DQPRO120712206	3/4" Male BSPP (EPDM seals, Hastelloy C spring)
DQPRO120712207	3/4" Male BSPP (FKM seals, Hastelloy C spring)

Couplers: PVDF 3/4" Flare Termination

DRUMQUIK PUR

PART NUMBER	DESCRIPTION
DQPUR120112	FKM liquid contact seals, FKM vent seal, PEEK plastic spring
DQPUR120112203	Simriz® FFKM liquid contact seals, FKM vent seal, PEEK plastic spring
DQPUR120112208	FKM liquid contact seals, FKM vent seal, PPS plastic spring
DQPUR120112209	Simriz FFKM liquid contact seals, FKM vent seal, PPS plastic spring
DQPUR120112210	FKM liquid contact seals, FKM vent seal, PTFE encapsulated 316 stainless steel (TESS) spring
DQPUR120112211	Simriz FFKM liquid contact seals, FKM vent seal, PTFE encapsulated 316 stainless steel (TESS) spring

Drum Inserts: Polyethylene (HDPE)

DRUMQUIK PRO & DRUMQUIK PUR

PART NUMBER	DESCRIPTION
DQPRO202BUT	2" American buttress thread, EPDM seals (No. Am. Plastic drums)
DQPRO202BUT202	2" American buttress thread, FKM seals (No. Am. Plastic drums)
DQPRO2056X4	BCS 56x4 thread, EPDM seals (European plastic drums)
DQPRO2056X4202	BCS 56x4 thread, FKM seals (European plastic drums)
DQPRO20G2NPSST	2" NPS (ISO G2) thread, EPDM seals (steel drums and IBC caps)
DQPRO20G2NPSST202	2" NPS (ISO G2) thread, FKM seals (steel drums and IBC caps)
DQPRO20G2NPSPL	2" NPS (ISO G2) thread, EPDM flat bung seal (plastic drums and IBC caps)
DQPRO20G2NPSPL202	2" NPS (ISO G2) thread, FKM flat bung seal (plastic drums and IBC caps)
DQPUR202BUT	2" American buttress thread, Polyolefin (POE) bung seal, EPDM shipping plug seal
DQPUR202BUT202	2" American buttress thread, Polyolefin (POE) bung seal, FKM shipping plug seal

Dip-Tubes: Polyethylene (HDPE)

DRUMQUIK PRO & PUR

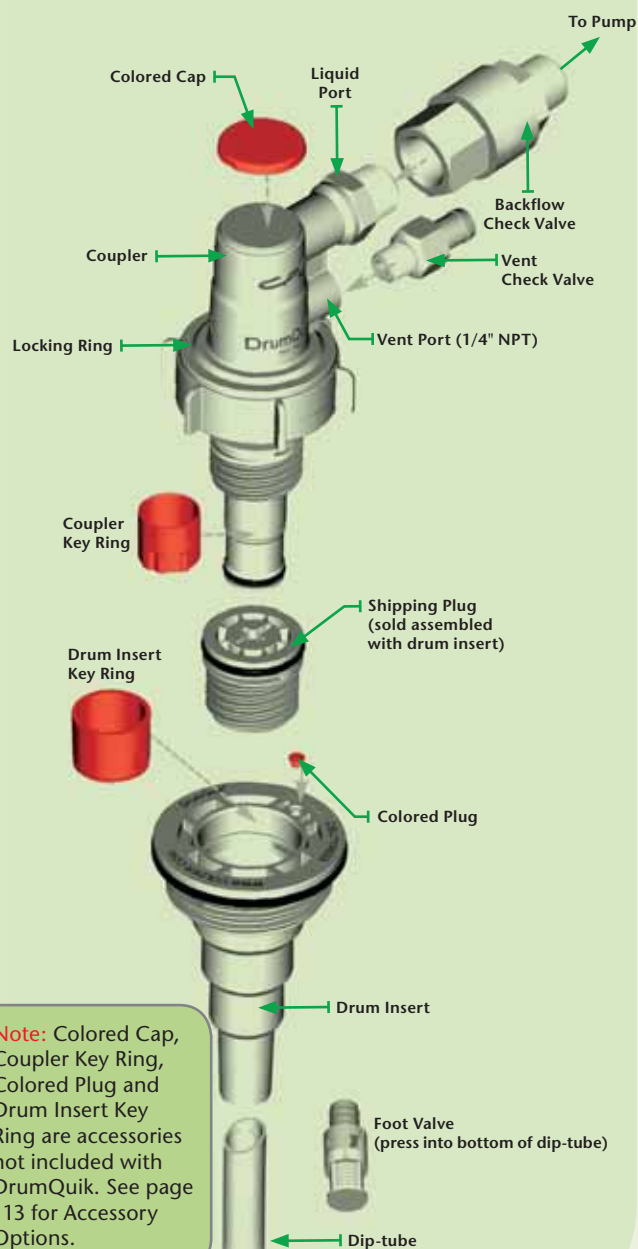| PART NUMBER	DESCRIPTION
DQPRODT0410	13.0" (330mm) long for 5 gal/25L jerry cans
DQPRODT0985	35.5" (905mm) long for 55 gal/200L drums
DQPRODT1070	39.0" (990mm) long for 275 gal/1040L IBCs
DQPRODT1274	47.0" (1194mm) long for 330 gal/1250L IBCs
DQPURDT0410	13.0" (330mm) long for 5 gal/25L jerry cans
DQPURDT0985	35.5" (905mm) long for 55 gal/200L drums
DQPURDT1070	39.0" (990mm) long for 275 gal/1040L IBCs
DQPURDT1274	47.0" (1194mm) long for 330 gal/1250L IBCs

Note: Length indicated in part number is total length when assembled with insert, which is 80mm longer than the actual length of the dip-tube itself. Additional dip-tube lengths are available by custom order.

Assembled Drum Inserts & Dip-Tubes

DRUMQUIK PUR

PART NUMBER	DESCRIPTION
DQPUR2BUT0410	Drum insert assembly, NAMPAC square jerry can, 20L, 330mm long (from sealing surface)
DQPUR2BUT0985	Drum insert assembly with universal dip-tube (drum), 905mm long (from sealing surface)
DQPUR2BUT1070	Drum insert assembly with universal dip-tube (drum), 990mm long (from sealing surface)
DQPUR2BUT1274	Drum insert assembly with universal dip-tube (IBC), 1194mm long (from sealing surface)

Note: Drum insert and dip-tube have been assembled in a cleanroom. Length indicated in part number is total length as measured from the sealing surface of the container to the end of the dip-tube. This is ~80mm longer than the actual length of the dip-tube itself.

DrumQuik® PRO & PUR Dispensing Connector System

Labels: To Pump, Colored Cap, Liquid Port, Backflow Check Valve, Coupler, Vent Check Valve, Locking Ring, Vent Port (1/4" NPT), Coupler Key Ring, Shipping Plug (sold assembled with drum insert), Drum Insert Key Ring, Colored Plug, Drum Insert, Foot Valve (press into bottom of dip-tube), Dip-tube

Note: Colored Cap, Coupler Key Ring, Colored Plug and Drum Insert Key Ring are accessories not included with DrumQuik. See page 113 for Accessory Options.

Vapor Management Options:

1. OPEN: Vent port left open to atmosphere
2. REMOTE: Vent port routed to fume hood, scrubber or vapor recovery system
3. CHECKED: Connect vent check valve to allow make-up air in without allowing fumes to escape
4. BLANKET GAS: Connect a Colder quick disconnect coupling for blanket gas (N_2, CO_2)
5. FILTERED: Connect vent filter

DRUMQUIK PRO / DRUMQUIK PUR

DrumQuik® Dispensing Systems for Safer Chemical Management

Whether you're dispensing edible oils, condiments, detergents, specialty automotive fluids, or industrial chemicals, acids, caustics or solvents, DrumQuik PRO and the high purity DrumQuik PUR can make your process cleaner, faster, safer and smarter.

- Provide the critical connection between your chemical container and the end use process
- Create a closed transfer system to protect workers and keep a cleaner work environment

DrumQuik solutions are available for a variety of container types providing interchangeable, reusable connections for:

- Plastic or steel drums
- Chemical packs
- IBCs or totes

For high purity applications DrumQuik PUR provides the assurance of compatibility with chemicals used in semiconductor and flat panel production, pharmaceutical and photovoltaic or solar cell manufacturing.

DRUMQUIK PRO / DRUMQUIK PUR

Made from virgin materials compliant with FDA and RoHS standards.

DrumQuik® PRO and DrumQuik PUR

are changing the world of chemical management with their unique closed-system design. Innovative DrumQuik systems help companies reduce costs, increase worker safety and protect the environment. From basic chemical handling to specialty high purity and pharmaceutical applications, DrumQuik dispensing systems make chemical management cleaner, faster, safer and smarter.

DrumQuik PRO

Features	Benefits
Quick connect/disconnect	Allows faster drum change-outs
Automatic shutoff valve	Stops flow when disconnected
Disposable drum insert	Reduces messy handling and chemical exposure
Ported vent system for vapor management	Allows make-up air into drum or connection of blanket gas (N_2,CO_2)
Multiple standard thread sizes	Can be used with many common steel and plastic containers

DrumQuik PUR

Features	Benefits
Quick connect/disconnect	Allows faster drum change-outs
All plastic construction	No metallic corrosion/ contamination
Automatic shutoff valve	Stops flow when disconnected
Cleanroom manufactured	Assures high level of purity
Disposable drum insert	Minimizes chemical exposure & contamination

ACCESSORIES

Color Coding and Keying Options

Colored Key Kits for Physical Coding: Polyethylene

DQPRO PART NUMBER	DQPUR PART NUMBER	DESCRIPTION
DQPROKEYCPGRY00	DQPURKEYCPGRY00	Key kit for coupler, gray
DQPROKEYCPRED01	DQPURKEYCPRED01	Key kit for coupler, red
DQPROKEYCPYEL02	DQPURKEYCPYEL02	Key kit for coupler, yellow
DQPROKEYCPGRN03	DQPURKEYCPGRN03	Key kit for coupler, green
DQPROKEYCPBRN04	DQPURKEYCPBRN04	Key kit for coupler, brown
DQPROKEYCPBLU05	DQPURKEYCPBLU05	Key kit for coupler, blue
DQPROKEYCPBLK99	DQPURKEYCPBLK99	Key kit for coupler, black
DQPROKEYCPCOMBO	DQPURKEYCPCOMBO	One of every coupler key ring and cap

Key kits for coupler include coupler key ring and cap.

DQPROKEYDIRED01	DQPURKEYDIRED01	Key kit for drum insert, red
DQPROKEYDIYEL02	DQPURKEYDIYEL02	Key kit for drum insert, yellow
DQPROKEYDIGRN03	DQPURKEYDIGRN03	key kit for drum insert, green
DQPROKEYDIBRN04	DQPURKEYDIBRN04	Key kit for drum insert, brown
DQPROKEYDIBLU05	DQPURKEYDIBLU05	Key kit for drum insert, blue
DQPROKEYDIBLK99	DQPURKEYDIBLK99	Key kit for drum insert, black
DQPROKEYDICOMBO	DQPURKEYDICOMBO	One of every drum insert key ring and button plug

Key kits for drum insert include drum insert key ring and button plug.

Color Coded Parts

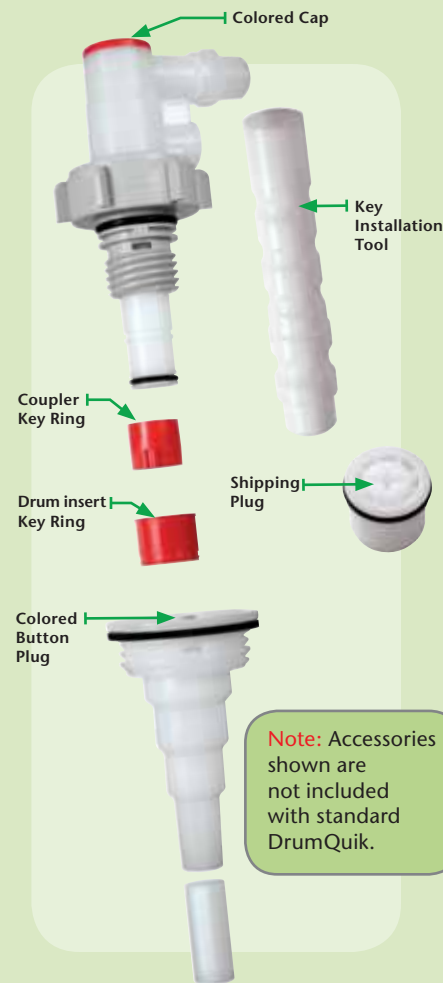### Colored Caps & Button Plugs for Visual Coding: Polyethylene

PART NUMBER	DESCRIPTION
DQPROCAPGRY00	Colored cap for coupler, gray
DQPROCAPRED01	Colored cap for coupler, red
DQPROCAPYEL02	Colored cap for coupler, yellow
DQPROCAPGRN03	Colored cap for coupler, green
DQPROCAPBRN04	Colored cap for coupler, brown
DQPROCAPBLU05	Colored cap for coupler, blue
DQPROCAPBLK99	Colored cap for coupler, black
DQPROCAPCOMBO	One each of every color cap
DQPROPLUGGRY00	Colored button plug for drum insert, gray
DQPROPLUGRED01	Colored button plug for drum insert, red
DQPROPLUGYEL02	Colored button plug for drum insert, yellow
DQPROPLUGGRN03	Colored button plug for drum insert, green
DQPROPLUGBRN04	Colored button plug for drum insert, brown
DQPROPLUGBLU05	Colored button plug for drum insert, blue
DQPROPLUGBLK99	Colored button plug for drum insert, black
DQPROPLUGCOMBO	One each of every color plug

* Colored caps and button plugs can be used with both DrumQuik PRO and DrumQuik PUR.

DrumQuik® PRO & PUR Key Kits

Colored Cap

Key Installation Tool

Coupler Key Ring

Drum insert Key Ring

Shipping Plug

Colored Button Plug

Note: Accessories shown are not included with standard DrumQuik.

Color Coding

CLEANER FASTER

DRUMQUIK ACCESSORIES

Easy Installation and Dispensing

1 Fully press dip-tube into drum insert socket.

2 Place the drum insert assembly in drum.

3 Turn shipping plug counter-clockwise to remove. (Use a large, flat blade or #4 Phillips screwdriver.)

4 Insert coupler into drum in-sert assembly.

5 Turn the coupler locking ring-clockwise until stop is reached (approximately 2 full turns); valve is opened during this process.

Visit **www.colder.com/dqpro** and click on Installation Guide for more information.

Tools

PART NUMBER	DESCRIPTION
2408900	Torque socket tool (blue, glass-filled nylon)
2479100	Bung wrench (aluminum)
2375600*	Key installation tool (for key kits) *Shipping plug may also be used to install keys
DQPURFT08	Flaring Tool, 1/2" tubing
DQPURFT12	Flaring Tool, 3/4" tubing

Sample Kits

(Includes one coupler, one insert and one dip-tube)

PART NUMBER	DESCRIPTION
DQPRONASAMP	2" Buttress drum insert, 905mm dip-tube, 1/2 NPT coupler (EPDM O-rings, 316 SST spring in coupler)
DQPRONASAMP207	2" Buttress drum insert, 905mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy® C spring in coupler)
DQPROEUSAMP	BSC 56x4 drum insert, 905mm dip-tube, 3/4 BSPP coupler (EPDM seals, 316 SST spring in coupler)
DQPROEUSAMP207	BSC 56x4 drum insert, 905mm dip-tube, 3/4 BSPP coupler (FKM seals & Hastelloy® C spring in coupler)
DQPRONPSSTSAMP	2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (EPDM Bung O-rings, 316 SST spring in coupler)
DQPRONPSSTSAMP207	2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy® C spring in coupler)
DQPRONPSPLSAMP	2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (EPDM Flat Gasket, 316 SST Spring)
DQPRONPSPLSAMP207	2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy® C spring in coupler)
DQPURSAMP202	Kit includes 1 Coupler (DQPUR 12 0112 (PEEK® & FKM) & 1 assembled Dip-tube (DQPUR 2BUT 0985 202)
DQPURSAMP209	Kit includes 1 Coupler (DQPUR 12 0112 209 (PPS & Simriz®) & 1 Dip-tube assy. (DQPUR 2BUT 0985 202)

Shipping Plugs

PART NUMBER	DESCRIPTION
DQPROPUMPAD	Internal 3/4 NPT Thread pump adaptor shipping plug (HDPE, EPDM)
DQPROPUMPAD202	Internal 3/4 NPT Thread pump adaptor shipping plug (HDPE, FKM)
DQPRPUMPAD202 DQPROSHPLUGEX	Extended shipping plug for venting internal pressure from drum (HDPE, EPDM)
DQPROSHIPLUGEX202	Extended shipping plug for venting internal pressure from drum (HDPE, FKM)
2007900	Shipping plug for drum insert (Does not include shipping plug o-ring)
2290100	Shipping plug o-ring, EPDM
2307200	Shipping plug o-ring, FKM
DQPURSP	Shipping Plug with EPDM seal
DQPURSP202	Shipping Plug with FKM seal

Seal and Adaptor Parts

PART NUMBER	DESCRIPTION
DQPURDISEALPOE	Drum insert POE bung seal
DQPURDISEALFEP	Drum insert FEP encapsulated silicone bung seal
DQPURCPSEALFKM	Coupler seal kit (2 seals), FKM
DQPURCPSEALSMZ	Coupler seal kit (2 seals), Simriz®
2423400	Coupler o-ring kit, EPDM (Includes 2 o-rings)
2423500	Coupler o-ring kit, FKM (Includes 2 o-rings)
2166000	Drum insert flat gasket, 2" buttress, FDA EPDM
2166100	Drum insert flat gasket, 2" buttress, FKM
2165800	Drum insert o-ring, 2" NPS (ISO G2) EPDM for steel drums
2165900	Drum insert o-ring, 2" NPS (ISO G2) FKM for steel drums
2165800	Drum insert o-ring, BCS 56x4, EPDM (same as ISO G2 for steel)
2165900	Drum insert o-ring, BCS 56x4, FKM (same as ISO G2 for steel)
2525200	Drum insert flat gasket, 2" NPS (ISO G2) EPDM for plastic drums
2525300	Drum insert flat gasket, 2" NPS (ISO G2) FKM for plastic drums
2594900	Replacement Drum Insert Seal, 2" Buttress, FDA
EPDMDQPRO70X6AD	70 X 6 Adaptor with EPDM O-Ring
DQPRO70X6AD202	70 X 6 Adaptor with FKM (Viton®) O-Rings

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Accessories

PART NUMBER	DESCRIPTION
Tether/Dust Cap	
DQPROTETHER	Tether/Dust Cap for use with DrumQuik PRO shipping plugs and couplers (PVC, Vinyl)
Coupler Vent Port Options	
2879800	Vent check valve, 1/2" ID x 1/4" male NPT (316 SST, Santoprene)
2879801	Vent check valve, 1/2" ID x 1/4" male NPT (Hastelloy® C, FKM)
DQPROFIL01	Air filter, coupler vent port, 1/4" male NPT (polypropylene, 70 micron)
APCD24004	Vent coupling insert, 1/4" male NPT (Acetal, 316 SST, Buna-N)
APCD17004SH	Vent coupling body with shroud, 1/4" hose barb (Acetal, 316 SST, Buna-N)
APCD17006SH	Vent coupling body with shroud, 3/8" hose barb (Acetal, 316 SST, Buna-N)
EFCD24412	Vent coupling insert, 1/4" male NPT (Polypropylene, 316 SST, EPDM)
EFCD17412	Vent coupling body, 1/4" hose barb (Polypropylene, 316 SST, EPDM)
EFCD17612	Vent coupling body, 3/8" hose barb (Polypropylene, 316 SST, EPDM)

NOTE: Parts listed above are suggested for use in the vent port, but any 1/4" NPT Colder coupling can be used for blanket gas applications (see page 97.)

**Backflow Prevention Options	Material: Polypropylene**	
2478900	Check valve for couplers, 1/2" female NPT x 1/2" male NPT (EPDM, 302 SST)
2478901	Check valve for couplers, 1/2" female NPT x 1/2" male NPT (FKM, 302 SST)
2478902	Check valve for couplers, 1/2" female NPT x 1/2" male NPT (EPDM, Hastelloy C)
2478903	Check valve for couplers, 1/2" female NPT x 1/2" male NPT (FKM, Hastelloy C)
2479000	Foot valve for dip-tube, 1/2" hose barb (EPDM, 316 SST)
2479001	Foot valve for dip-tube, 1/2" hose barb (FKM, 316 SST)
2479002	Foot valve for dip-tube, 1/2" hose barb (EPDM, Hastelloy C)
2479003	Foot valve for dip-tube, 1/2" hose barb (FKM, Hastelloy C)

NOTE: Colder Products Company distributes the above check valves and foot valves. These valves are not produced by Colder and Colder makes no claims or warranty regarding suitability for use in specific applications.

**Coupler Liquid Port Fittings	Material: Polypropylene**	
2402600	1/2" female NPT x 3/8" OD compression
2402700	1/2" female NPT x 1/2" OD compression
2402800	1/2" female NPT x 5/8" OD compression
2402900	1/2" female NPT x 3/8" ID hose barb
2403000	1/2" female NPT x 1/2" ID hose barb
2403100	1/2" female NPT x 3/4" ID hose barb

DQPUR Accessory Fittings	
DQPUR MC0404	Male Connector, PVDF, 1/4" Flare x 1/4" NPT
DQPUR MC0604	Male Connector, PVDF, 3/8" Flare x 1/4" NPT
DQPUR MC0804	Male Connector, PVDF, 1/2" Flare x1/4" NPT
DQPUR FR1208	Flare Reducer, PFA, 3/4" Female Flare x 1/2" Male Flare
DQPUR FI1216	Flare Increaser, PFA, 3/4" Female Flare x 1" Male Flare
DQPUR TFMC1208	Female flare x male connector, PFA, 3/4" Female Flare x 1/2" Male NPT
DQPUR SE0808	Sweep Elbow, PFA, 1/2" Female Flare x 1/2" Male Flare
DQPURSE1212	Sweep Elbow, PFA, 3/4" Female Flare x 3/4" Male Flare
DQPURDCPM0812	Double Containment Panel Mount Fitting, PFA, 1/2" process line x 3/4" secondary containment line
DQPURDCPM1216	Double Containment Panel Mount Fitting, PFA, 3/4" process line x 1" secondary containment line
DQPURDCN0812	Double Containment Adapter, PFA, 1/2" process line x 3/4" secondary containment line
DQPURDCN1216	Double Containment Adapter, PFA, 3/4" process line x 1" secondary containment line

Torque Tool

Bung Wrench
Refer to specifications for torque requirements (page 110)

Air Filter

Vent Check Valve

Backflow Check and Foot Valves
(Prevents liquid from draining back into drum when pump is off)

Coupler Liquid Port Fittings

Shipping Plug

Key installation Tool

Use shipping plug or key installation tool to install keys. Orient ring with lugs down and drum insert key ring with shoulder up.

DRUMQUIK ACCESSORIES

Universal 3-Port Drum Adaptor Kit
(shown with HFC12 and NS4)

Can be used with many standard Colder quick disconnect couplings and standard bung plugs and bottle caps.

Universal Drum Adaptor Kit
(shown with NSH Series)

DrumQuik® 3-Port UDA Kit
Polypropylene

The 3-Port UDA features a 3/4" male NPT thread that mates with common containers, bung plugs and caps. The adaptor ports enable simultaneous chemical extraction, venting or application of blanket gas. In addition, the third port can be used to recirculate priming chemical to the container in metering pump applications.

Optional system components including foot valves, air filters and vent check valves are also available. For your convenience, Colder offers a variety of drum adaptor plugs to facilitate easy drum connections. (See plugs and caps on page 103.)

PART NO.	DESCRIPTION
DQUDA3PKIT	3-port adaptor, EPDM seal, locking nut, 35.5" (905mm) dip-tube, 1/2" x 3/8" & 1/2" x 1/4" reducer bushings and 1/4" & 3/8" NPT plugs
DQUDA3PKIT202	3-port adaptor, FKM seal, locking nut, 35.5" (905mm) dip-tube, 1/2" x 3/8" & 1/2" x 1/4" reducer bushings and 1/4" & 3/8" NPT plugs
DQUDA3P	3-port adaptor bulk packaged (1/2" female NPT liquid outlet port, 3/8" & 1/4" NPT vent/recirculation ports)
DQUDA3PNUT	Locking nut for the 3-port adaptor
2717000	EPDM seal for the 3-port adaptor
2717100	FKM seal for the 3-port adaptor
2621100	Reducer bushing, black polypropylene, 1/2" male NPT x 3/8" female NPT
2621200	Reducer bushing, black polypropylene, 1/2" male NPT x 1/4" female NPT
2621300	Pipe plug, black polypropylene, 1/4" male NPT
2621400	Pipe plug, black polypropylene, 3/8" male NPT

Use with PLC, Non-Spill, EFC and ChemQuik Series couplings.

NOTE: DrumQuik® UDA 3-Port uses DrumQuik PRO dip-tubes and accessories.

DrumQuik UDA Kit
Polypropylene

The DrumQuik® UDA Kit turns ChemQuik® or general purpose (HFC or NSH) couplings into a dip-tube that can easily be threaded into the 3/4" female NPS port of common drum closures. It provides a simple and inexpensive way to dispense chemicals in pumped systems. For your convenience, Colder offers a variety of drum adaptor plugs to facilitate easy drum connections. (See plugs and caps on page 103.)

Press together to assemble

Dip-tube   Bushing   Coupling Insert   Coupling Body

PART NO.	DESCRIPTION
DQUDAKITPP35	Adaptor & dip-tube, 37" (889mm) long from o-ring surface (approx.), Viton® FKM seal
DQUDAKITPP55	Adaptor & dip-tube, 55" (1397mm) long, Viton® FKM o-ring

Use with HFC, NSH and ChemQuik Series couplings.

DrumQuik UDA Foot Valve

PART NO.	DESCRIPTION
DQMFVPP0708	Foot valve for use with DrumQuik UDA dip-tubes, fits 1/2" OD tubing, PTFE seal

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BottleQuik® UBA 2-Port Kit
Polypropylene

The BottleQuik® is intended for use on reagent bottles with SP400-38mm threads. It can be used in either the upright position or inverted and has two 3/8" female NPT ports for liquid and vent ports.

PART NO.	DESCRIPTION
DQUDACAP2PKITPP	2-Port adaptor CAP for 38mm SP400 bottles & dip-tubes, 17.75" (451mm) long, FKM o-ring. 3/8" female NPT liquid port, 3/8" female NPT vent port, 3/8" female NPT vent port.

Use above kits with CQG, CQH and CQV Series couplings.

DrumQuik® Asian Drum Adaptors
Polypropylene

The DrumQuik® Asian drum adaptors allow ChemQuik® or general purpose (HFC or NSH) couplings to be easily connected to the unique threads common in many drum closures (with integral dip-tubes) manufactured in Asia, e.g., Kodama, Accelo, Stella, Dung Woo, etc. A 3/4" female NPT inner thread can accept any coupling or fitting with a 3/4" male NPT termination.

PART NO.	DESCRIPTION
DQADAPP0212 TYPE A	Adaptor, FKM seals, 3/4" female NPT inner port x 3/4" NPS male thread to fit drum plug.
DQADAPP0622 TYPE B	Adaptor, FKM seals, 3/4" female NPT inner port x 1-3/8" male buttress thread to fit drum plug.

DrumQuik Plugs and Caps

For your convenience, Colder offers several sizes of common bung plugs and caps that have the internal 3/4" female NPS thread, into which the DrumQuik Universal Drum Adaptors/ChemQuik couplings are threaded.

PART NO.	DESCRIPTION
DQMBUNGPP2BUT12	Bung closure, polypropylene, EPDM o-ring, 2" buttress x 3/4" female NPS
DQMBUNGPP2NPS12	Bung closure, polypropylene, EPDM o-ring, 2" NPS x 3/4" female NPS
DQMBUNGPP56X412	Bung closure, polypropylene, EPDM o-ring, BCS56x4 x 3/4" female NPS
DQMBUNGPP70X612	Bung closure, polypropylene, EPDM o-ring, BCS70x6, 3/4" female NPS
DQMCAPPP70MM	Cap closure, polypropylene, EPDM o-ring, 70mm x 3/4" female NPS
DQMCAPPP63MM	Cap closure, polypropylene, EPDM o-ring, 63mm, 3/4" female NPS

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. **NOTE:** The DQ UDA kits are designed to work with Colder couplings that have 3/4" NPT male terminations. The DQ UDA 3-Port kits are designed to work with a 1/2" NPT male on the liquid port and a 1/4" NPT male on the vent port. A 1/2" male NPT to 1/4" female NPT reducer bushing may be required to accommodate smaller NS4, PLC and PMC Series couplings. BottleQuik features two 3/8" female NPT ports. NOTE: DrumQuik Adaptors are intended for end-use applications not requiring compliance with UN/DOT standards for use in transportation of hazardous materials.

BottleQuik UBA 2-Port Bottle Adaptor Kit (shown with CQG and CQH)

Type A
For use with closure plugs with a 3/4" NPS center port.

Type B
For use with closure plugs with a 1-3/8" buttress center port.

3/4" NPT inner port incorporates a face seal to assure a leak-free connection.

DQ UDA kits can be used with a wide range of closures.

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Actual Size

Patented

Specifications

Pressure:
20" Hg vacuum to 15 psi, 1.0 bar (body only)

Temperature:
32°F to 160°F (0°C to 71°C)

Materials:
Main body components and valves:
Polypropylene

Springs:
Body: 316 stainless steel
Cap: 302 stainless steel

UDC caps: Acetal, polypropylene

O-rings (food grade):
UDC: EPDM, silicone, Buna-N

iUDC: EPDM, silicone

CIP adapter: Acetal

Color: Light gray with dark gray latch
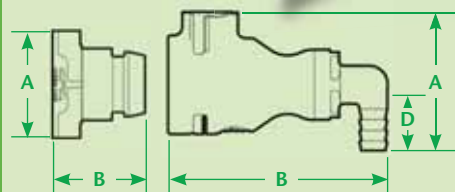
Closure Size: SP-400 thread/38mm snap-in

Tubing Sizes:
3/8" to 3/4" ID, 9.5mm to 19.0mm ID

The patented 3/8" flow Universal Dispensing Coupler (UDC) provides a universal connection to a 38mm threaded or snap-in fitment neck. Make instant connections to bulk packaging systems including bag-in-box (BIB), flexible and rigid packaging styles. Automatic flush face valves minimize costly or dangerous spillage. An ergonomic design and a large, shrouded thumb latch pad produce a coupling that is easy to grip and simple to operate.

The UDC Series is also available with optional RFID (Radio Frequency Identification) capability.

All UDC Series products are listed under NSF/ANSI standard 169

NSF

Features

Universal 38mm cap
Flush face/non-spill valves
Integral terminations

Shrouded thumb latch
RFID technology
(iUDC only)

Benefits

Fits industry standard fitment necks
Minimize spillage
Fewer leak points, shorter assemblies, faster installations
Protects against accidental disconnects
Helps maintain warranty, integrity, brand protection

Product Dimensions

A = Height/Diameter
B = Total Length
D = Elbow Radial Length

Coupling Bodies

POLYPROPYLENE

TERMINATION	TUBING SIZE	SILICONE O-RING	BUNA-N O-RING	EPDM O-RING	A	B
IN-LINE	3/8" ID	99000	98400	98500	1.73	3.06
HOSE BARB	1/2" ID	95600	97600	95300	1.73	3.06
	5/8" ID	99100	97900	98100	1.73	3.20
	3/4" ID	99200	98600	98700	1.73	3.21

TERMINATION	TUBING SIZE	SILICONE O-RING	BUNA-N O-RING	EPDM O-RING	A	B	D
ELBOW	3/8" ID	99300	97800	99400	1.73	3.25	.93
HOSE BARB	1/2" ID	95400	97700	95100	1.73	3.25	.93

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

Caps ACETAL

TERMINATION	DESCRIPTION	SILICONE O-RING	BUNA-N O-RING	EPDM O-RING	A	B
THREAD-ON, 38MM, VALVED	Without thread seal	95800	96400	97400	1.70	1.47
	With thread seal	95801	96401	97401	1.70	1.47

POLYPROPYLENE

TERMINATION	DESCRIPTION	SILICONE O-RING		EPDM O-RING	A	B
SNAP-IN 38MM VALVED		9461300		9500000	1.15	1.77
THREAD-ON, 38MM, VALVED	With thread seal			9462000	1.70	1.48

NOTE: Snap-in closure designed to fit Scholle 900 bag necks.

Clean-in-Place (CIP) Adapter ACETAL

TERMINATION	DESCRIPTION	PART NO.			A	B
IN-LINE	1/2" HB (no o-ring)	96000			1.15	1.56

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters. Couplings are pictured with valves unless otherwise noted.

The IdentiQuik® Series of smart couplings are RFID enabled couplings used on equipment and in processes. RFID is an identification method that relies on remotely writing and reading data. Smart coupling applications include: inventory level meters, surgical tool identification, product protection and many more.

SMART COUPLINGS WITH RFID

IdentiQuik UDC Series

(((**Identify misconnections:** eliminate out-of-sequence connections or misconnections due to operator error

(((**Protect your brand:** prevent out-of-date, incorrect or misapplied products from being used

(((**Prolong equipment life:** prevent the accidental or unintentional use of harmful media

(((**Save time:** automatic documentation of package and media lot numbers, date codes and more

Coupling Readers

POLYPROPYLENE

Product Dimensions (See drawing on page 118)

TERMINATION	TUBING SIZE	METRIC EQ.	SHUTOFF	A	B
IN-LINE HOSE BARB	1/4" ID	6.4mm ID	iUDCDR1700400	2.00	3.49
	3/8" ID	9.5mm ID	iUDCDR1700600	2.00	3.49
	1/2" ID	12.7mm ID	iUDCDR1700800	2.00	3.49
	5/8" ID	15.9mm ID	iUDCDR1701000	2.00	3.49
	3/4" ID	19mm ID	iUDCDR1701200	2.00	3.49
PANEL MOUNT HOSE BARB	1/4" ID	6.4mm ID	iUDCDR1600400	Refer to	
	3/8" ID	9.5mm ID	iUDCDR1600600	www.colder.com	
	1/2" ID	12.7mm ID	iUDCDR1600800	for dimensions	

Caps

ACETAL

TERMINATION	DESCRIPTION	METRIC EQ.	SHUTOFF	A	B
THREAD-ON, 38MM, VALVED	Without thread seal	38mm	iUDCDTCN3803	1.70	1.47
	With thread seal	38mm	iUDCDTCS3803	1.70	1.47

POLYPROPYLENE

TERMINATION	DESCRIPTION	METRIC EQ.	SHUTOFF	A	B
THREAD-ON, 38MM, VALVED	Without thread seal	38mm	iUDCDTCN3800	1.70	1.48
	With thread seal	38mm	iUDCDTCS3800	1.70	1.48
SNAP-IN 38MM, VALVED		38mm	iUDCDTSN0000	1.62	1.76

All measurements are in inches (millimeters) unless otherwise noted. Tubing must meet stated inside and outside diameters.

RFID Specifications

RF Communication Range: Approximately 1"

Operating voltage: 8-24 V

Power Consumption: 1.2W Maximum

Communications: ASCII RS-232 (DB-9), USB

RFID Tag: 13.56 MHz ISO 15693 - 112 bytes programmable

Temperature: 32°F to 150°F (0°C to 65°C)

Patented

Materials are listed on page 118. Customized parts (materials, voltage, termination, cable length, etc.) available. Call for more information.

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CLEANER FASTER SAFER

PUNCTURE SEAL

Specifications

Pressure: 120 psi, 8.3 bar (coupling body)

Temperature:
32°F to 160°F (0°C to 71°C)

Materials:
Main components and valves: Polypropylene

38mm closure: Polyethylene (LDPE)

Thumb latch: Stainless steel

Valve spring: 316 stainless steel

External spring and pin: Stainless steel

O-rings: EPDM

Closure Size: SP-400 38mm

Tubing Sizes:
1/4" and 3/8" ID, 6.4mm and 9.5mm ID

Patented

Actual size

Also available in NSF listed versions, please visit our web site for part number information

NSF

The 1/4" flow Puncture Seal dispensing system provides clean and safe liquid dispensing from bag-in-box (BIB) or other types of flexible packaging. The system consists of a Puncture Seal closure cap and a specially designed quick disconnect coupling body. The closure makes a positive thread or snap-in seal with a 38mm fitment neck. The Puncture Seal coupling body automatically breaks the membrane seal on the closure cap when connected. To switch to a new container, simply depress the Colder thumb latch to disconnect the system and then connect the Puncture Seal coupling body to a fresh container.

Features	Benefits
Puncture Seal coupling	Easily breaks the Puncture Seal membrane
Polypropylene and polyethylene materials	Greater chemical resistance
Puncture Seal membrane	Eliminates shipping caps and o-rings
Colder thumb latch	One-hand connection and disconnection

Coupling Body

POLYPROPYLENE

TERMINATION	TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF	LENGTH
IN-LINE HOSE BARB	1/4" ID	6.4mm ID	PS1700412	PSD1700412	1.95
	3/8" ID	9.5 mm ID	PS1700612	PSD1700612	1.95

Closure

POLYETHYLENE

TERMINATION	PART NO.	LENGTH	HEIGHT
THREAD-ON, 38MM	PSC38mm	1.7	1.12
SNAP-IN 38MM	496200	1.88	1.62

NOTE: Part #496200 is designed to mate with the Hedwin Cubitainer® snap joint.

Puncture Seal membrane

Two molded seal rings

Locking groove

?
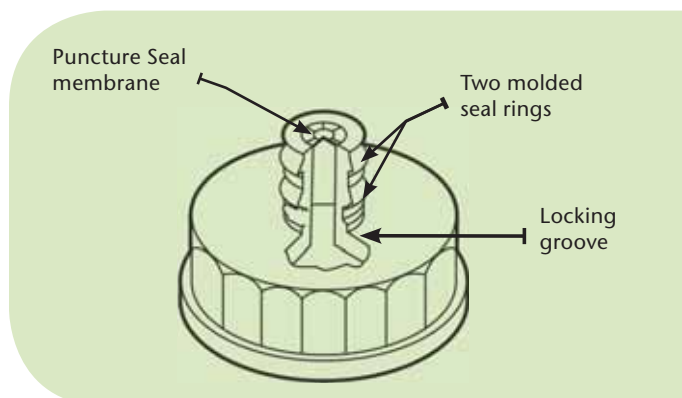
DID YOU KNOW ...

Colder's Puncture Seal closures can be used to dispense virtually any liquid from flexible packages? The Puncture Seal makes transporting and dispensing cleaning concentrates, dry cleaning chemicals and soaps cleaner and safer. Printing inks, photo developers and dying agents can also be dispensed quickly and easily, without messy drips or spills. The Puncture Seal can also be used with beverage and condiment dispensing systems, just look for the NSF-listed part numbers.