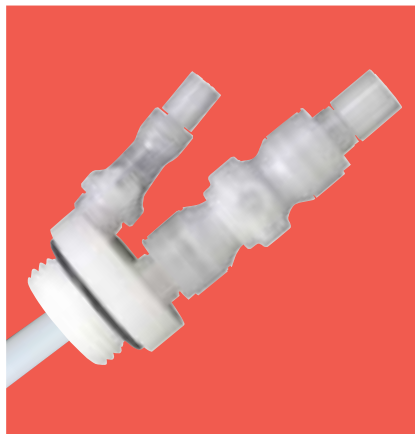
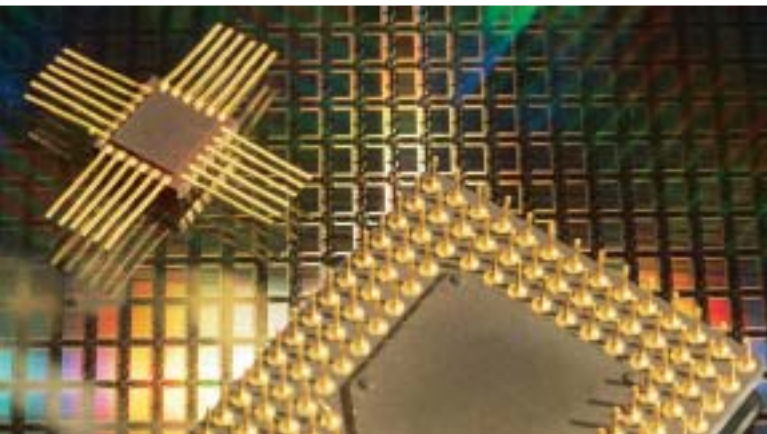
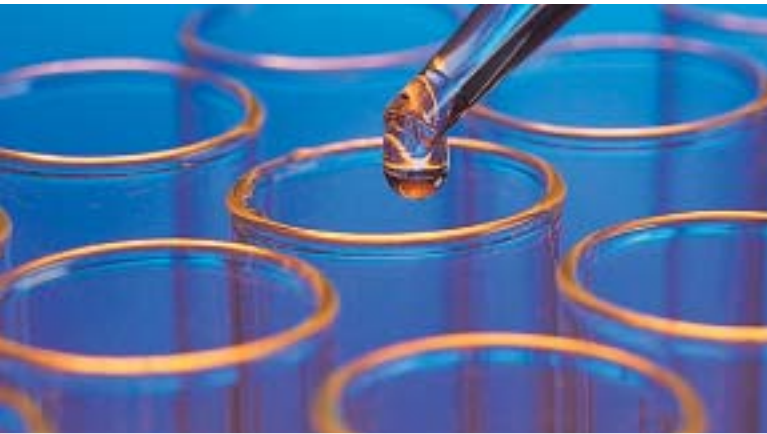


# Quick Disconnect Couplings for **CHEMICAL MANAGEMENT**

Featuring ChemQuik® High Purity Couplings



Controlled  
Performance  
Connections

# Colder Products Company

This Chemical Management catalog features Colder Products' (CPC) most popular and sophisticated products, designed for handling aggressive chemical media. The world leader in plastic quick disconnect technology, CPC offers you the largest selection available anywhere.

## Increase Safety, Time-Savings and Profits

CPC couplings have a variety of unique features to help improve your application:

- Corrosion resistant material combinations provide broad chemical compatibility options
- Automatic shutoff valves allow instant disconnection without draining lines
- All plastic couplings and versions with all plastic and spring-free flow paths
- Pressure-balanced designs allow disconnects and reconnects while under pressure
- Non-spill designs reduce spillage/air inclusion to < 0.1 ml — no more fumes or vapors
- Color-coding and/or physical keying systems help prevent misconnects of critical lines
- Integral fitting terminations are more compact, and reduce assembly time and leak points
- The thumb latch design is easy to use and allows single-handed operation

## Chemical Jerry Cans, Drums, IBCs, and Rigid Container Systems

For extraction of chemicals from jerry cans, drums, IBC's (totes), and other rigid containers, CPC offers the **DrumQuik® MODULAR** system, a closed system that helps protect operators from fluid or vapor contact. The DrumQuik system can be assembled from off-the-shelf components using any of the CPC coupling models featured in this catalog. In addition, the new **DrumQuik MODULAR Universal Drum Adaptor** kits turn any coupling into a dip-tube system.

## Special Design Features

To quickly select the best coupling for your application, look for the colored icons located throughout the catalog to quickly find the coupling series that has the features you want.

### **PB** Pressure-Balanced Couplings:

Only available from CPC, couplings featuring our unique patented Pressure-Balanced design have no springs in the flow path, which eliminates the potential for corrosion and results in exceptionally high flow capacity. Also, there is no increase in the force-to-connect as system pressure increases, i.e., the coupling is no harder to connect at high pressure than at ambient pressure. Coupling may be disconnected/reconnected under pressure.

### **NS** Non-Spill Couplings:

Couplings with this symbol feature Non-Spill valves. Spillage upon disconnect and air inclusion upon reconnect are minimized to almost zero — typically in the range of 0.1 ml or less, a fraction of standard couplings, even when disconnected under pressure.

### **Hp** High Purity Couplings:

High Purity couplings are manufactured and packaged in a manner that helps preserve the purity of high grade PPM, PPB or even PPT chemicals. No lubricants are used in HP couplings. All **ChemQuik®** couplings conform to HP specifications. Some models feature all plastic, Pressure-Balanced and/or Non-Spill construction.

### **Gp** General Purpose Couplings:

Couplings with this symbol are intended for general purpose chemical handling applications, with emphasis on high performance at the lowest possible cost. Some GP models feature Pressure-Balanced and/or Non-Spill construction. Typically GP couplings use a seal lubricant such as Krytox® PFPE (inert in virtually all media) or silicone to facilitate long life and low force-to-connect.

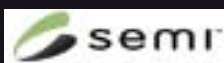


[www.colder.com/chemquik](http://www.colder.com/chemquik)

ChemQuik®, winner of  
these awards



Member of



## Choosing the Right Coupling for your Application

To simplify the process of selecting a coupling for your application, we recommend that you first identify the following design parameters, then, proceed to the most appropriate coupling section, using the table located below.

- 1 What is the required flow capacity in gallons per minute (liters per minute)?
- 2 What is the acceptable pressure drop at the required flow rate (psid/bar)?
- 3 What are acceptable materials of construction for main components, springs and seals?
- 4 What is the required operating pressure and temperature?
- 5 Is a Non-Spill **NS** coupling required or is a small amount of spillage acceptable? The trade-off is that a Non-Spill coupling may be a bit larger in size for a given flow capacity rating and may be slightly more costly.
- 6 Are springs located in the flow path acceptable? If NO, choose a Pressure-Balanced **PB** coupling.
- 7 Is a High Purity **HP** coupling needed or will a General Purpose **GP** coupling suffice?
- 8 Is all plastic construction required? Are plastic springs located in the flow path acceptable? If YES, only ChemQuik CQH06 and CQV06 couplings offer these features. ChemQuik CQG06, CQN06, CQN08, and NSH have a spring-free, all plastic flow path. NS4, NS6, EFC12, and HFC12 have 316SS metal springs in the flow path.

**WARNING:** Pressure, temperature, chemical type and concentration, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC products in their own application conditions.



**NEW!**

DrumQuik®  
Universal Drum  
Adaptor Kit

	Coupling Series	ChemQuik CQG06	ChemQuik CQH06	ChemQuik CQV06	ChemQuik CQN06	ChemQuik CQN08	NSH	NS6	NS4	HFC-12	EFC12
1	*Cv (Kv) Flow Cap.	3.2 (46.0)	1.6 (23.0)	1.6 (23.0)	3.0 (43.1)	7.3 (104.9)	3.3 (47.4)	2.2 (31.6)	0.6 (8.6)	2.0 (28.7)	0.87 (12.5)
2	@ 10 psid	10.2 (38.6)	5.1 (19.2)	5.1 (19.2)	9.5 (36.0)	23.1 (87.4)	10.4 (39.4)	7.0 (26.3)	1.9 (7.2)	6.3 (23.9)	2.8 (10.4)
	@25 psid	16.0 (60.6)	8.0 (30.3)	8.0 (30.3)	15.0 (56.8)	36.5 (138.2)	16.5 (62.4)	11.0 (41.6)	3.0 (11.4)	10.0 (37.9)	4.4 (16.5)
3	Material	Natural Polypro/ PTFE Valve	Natural Polypro	Natural PVDF	Natural PTFE/ PTFE Valve	Natural PTFE/ PFA	Glass-Filled, Gray Polypro	Glass-Filled, Gray Polypro/ TPE case	Glass-Filled, Gray Polypro/ TPE case	Gray, Unfilled Polypro	Gray, Unfilled Polypro
3	Seal Material	Viton® FKM	Viton® FKM	Chemraz® FFKM	Chemraz® FFKM	Chemraz® FFKM	EPDM	EPDM	EPDM	EPDM	EPDM
3	Spring Material	Hastelloy C Non-Wetted	PEEK® Wetted	PEEK® Wetted	Teflon® Encapsulated 316 SST Non-Wetted	Teflon® Encapsulated 316 SST Non-Wetted	316 SST Non-wetted	316 SST Wetted	316 SST Wetted	316 SST Wetted	316 SST Wetted
4	**Op Press. Psig (Bar)	Vac - 80 (Vac - 5.5)	Vac - 80 (Vac - 5.5)	Vac - 80 (Vac - 5.5)	Vac - 80 (Vac - 5.5)	Vac - 80 (Vac - 5.5)	Vac - 120 (Vac - 8.3)	Vac - 120 (Vac - 8.3)	Vac - 120 (Vac - 8.3)	Vac - 60 (Vac - 4.1)	Vac - 105 (Vac - 7.2)
4	**Op Temp. ° F (° C)	32 - 150 (0 - 66)	32 - 225 (0 - 107)	0 - 150 (-18 - 66)	0 - 150 (-18 - 66)	0 - 150 (-18 - 66)	32-120 (0 - 49)	32 - 160 (0 - 71)	32 - 160 (0 - 71)	32 - 160 (0 - 71)	32 - 160 (0 - 71)
NS 5	Non-Spill/ Amt in ml	YES (< 0.1)	NO (1.5)	NO (1.5)	YES (< 0.1)	YES (< 0.15)	YES (< 0.1)	YES (< 0.1)	YES (< 0.1)	NO (1.5)	NO (1.0)
PB 6	Pressure Balanced	YES	NO	NO	YES	YES	YES	NO	NO	NO	NO
GP HP 7	Purity Grade	HP, No Lube Used	HP, No Lube Used	HP, No Lube Used	HP, No Lube Used	HP, No Lube Used	GP, Krytox® PFPE Used	GP, Krytox® PFPE Used	GP, Krytox PFPE Used	GP, Silicone Lube Used	GP, Silicone Lube Used
	Page Number	9	10	11	12	13	14	16	18	20	22

\*FLOW COEFFICIENT (C<sub>v</sub>) is based on imperial units of gpm and psi. FLOW FACTOR (K<sub>v</sub>) is based on SI/metric units of lpm and bar. C<sub>v</sub> and K<sub>v</sub> are related as follows: K<sub>v</sub>=14.368x C<sub>v</sub>.

\*\*NOTE: Operational pressure rating varies with operating temperature. Consult individual coupling section for detailed pressure/temperature information. Many couplings are rated for vacuum service. Please consult factory for details and ratings.

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# Table of Contents

Couplings connected and shown actual size (approximate).  
For additional terminations and configurations, see product pages.

## Smart Coupling Technology

PAGE 8

### Smart Coupling Technology Overview

This section describes how the application of CPC's innovative RFID electronic data transfer capability can make our couplings safer to use and provide valuable process/tracking information to user systems.

## High Purity ChemQuik® Series

NEW!

PAGE 9

### CQG06 Series Hp PB NS

CQGD06 20 0108 & CQGD 06 10 0108

**Wetted Material:** Natural, Virgin Polypropylene, PTFE, Viton® FKM

**Flow Rating:** Cv 3.2/Kv 46.0

**Temperature Rating:** 32-150° F, 0-66° C

**Pressure Rating:** Vac-80 psig, 5.5 bar



PAGE 10

### CQH06 Series Hp

CQHD06 20 0106 05 & CQHD06 10 0106 05

(05 color-coded option shown)

**Wetted Material:** Natural, Virgin Polypropylene, PEEK®, Viton® FKM

**Flow Rating:** Cv 1.6/Kv 23.0

**Temperature Rating:** 32-225° F, 0-107° C

**Pressure Rating:** Vac-80 psig, 5.5 bar



## High Purity ChemQuik® Series

PAGE 11

### CQV06 Series Hp

CQVD06 20 0108 & CQVD06 10 0106

**Wetted Material:** Natural, Virgin PVDF, PEEK®, Chemraz® FFKM

**Flow Rating:** Cv 1.6/Kv 23.0

**Temperature Rating:** 0-225° F, -17-107° C (see note)

**Pressure Rating:** Vac-80 psig, 5.5 bar



NOTE: If coupling will be left disconnected while under pressure and temperature, then limit temperature to 150° F, 65° C.

NEW!

PAGE 12

### CQN06 Series Hp PB Ns

CQND06 20 0108 & CQND06 10 0108

**Wetted Material:** Virgin PTFE (modified, Dyneon™ TFM and/or Teflon® NXT 75), Chemraz® FFKM

**Flow Rating:** Cv 3.0/Kv 43.1

**Temperature Rating:** 0-150° F, -17-66° C

**Pressure Rating:** Vac-80 psig, 5.5 bar



PAGE 13

### CQN08 Series Hp PB Ns

CQND08 20 0112 05 & CQND08 10 0116 05

(05 color-coding & physical key shown)


**Wetted Material:** Virgin PTFE (modified, Dyneon™ TFM and/or Teflon® NXT 75) and/or PFA, Chemraz® FFKM

**Flow Rating:** Cv 7.3/Kv 104.9 (Cv 9.4/Kv 135.1 with non-valved insert)

**Temperature Rating:** 0-150° F, -17-66° C

**Pressure Rating:** Vac-80 psig, 5.5 bar



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## General Purpose Series

PAGE 14

### NSH Series **Gp** **Pb** **Ns**

NSHD22006 & NSHD17012



**Wetted Material:** Glass-Filled, Gray Polypropylene, EPDM

**Flow Rating:** Cv 3.3/Kv 47.4

**Temperature Rating:** 32-120° F, 0-49° C

**Pressure Rating:** Vac-120 psig, 8.3 Bar

NEW!

PAGE 16

### NS6 Series **Gp** **Ns**

NS6D22006 & NS6D17008



**Wetted Material:** Glass-Filled, Gray Polypropylene, EPDM, 316SS

**Flow Rating:** Cv 2.2/Kv 31.6

**Temperature Rating:** 32-160° F, 0-71° C

**Pressure Rating:** Vac-120 psig, 8.3 bar

NEW!

PAGE 18

### NS4 Series **Gp** **Ns**

NS4D22002 & NS4D17006



**Wetted Material:** Glass-Filled, Gray Polypropylene, EPDM, 316SS

**Flow Rating:** Cv 0.6/Kv 8.6

**Temperature Rating:** 32-160° F, 0-71° C

**Pressure Rating:** Vac-120 psig, 8.3 bar

PAGE 20

### HFC12 Series **Gp**

HFCD22612 & HFC171212



**Wetted Material:** Gray Polypropylene, EPDM, 316SS

**Flow Rating:** Cv 2.0/Kv 28.7

**Temperature Rating:** 32-160° F, 0-71° C

**Pressure Rating:** Vac-60 psig, 4.1 bar

PAGE 22

### EFC12 Series **Gp**

EFCD22412 & EFCD17612



**Material:** Gray Polypropylene, EPDM, 316SS

**Flow Rating:** Cv 0.87/Kv 12.5

**Temperature Rating:** 32-160° F, 0-71° C

**Pressure Rating:** Vac-105 psig, 7.2 bar

## DrumQuik® Series Dip-Tube Systems for Rigid Containers (photos shown not to scale)

NEW!

PAGE 24

### DrumQuik® Gp Hp MODULAR Series

2-Port Drum Insert

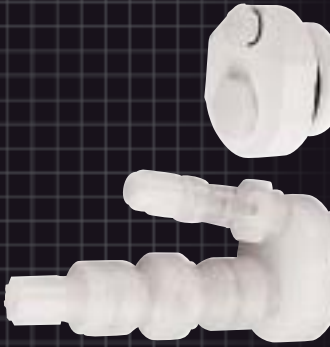
Works with HFC12, NSH & ChemQuik® couplings

**Wetted Material:** Virgin Polypropylene or PTFE

**Flow Rating (Cv):** Dependent on coupling used

**Temperature Rating:** 0-150° F, -17-65° C

**Pressure Rating:** Vac-45 psig, 3.1 bar



(shown with shipping plugs installed)

(shown with couplings installed)

NEW!

PAGE 26

### DrumQuik® Universal Drum Adaptor Kit Gp Hp

Any coupling with a 3/4 male NPT termination can now become a dip-tube that screws into standard closures. Both single and 2-port designs available.

Works with HFC12, NSH and ChemQuik® couplings.

**Wetted Material:** Polypropylene or PTFE

**Flow Rating (Cv):** Dependent on coupling used

**Temperature Rating:** 0-150° F, -17-65° C

**Pressure Rating:** Vac-15 psig, 1 bar



Press together to assemble

Dip-Tube

Bushing

Coupling Insert

Coupling Body

NEW!

PAGE 27

### DrumQuik® Asian Drum Adaptor Kits Gp Hp

Adaptor facilitates connection to center port of Asian drum closures with integral dip-tubes.

**Wetted Material:** Virgin Polypropylene

**Flow Rating (Cv):** Dependent on coupling used

**Temperature Rating:** 0-225° F, -17-107° C

**Pressure Rating:** Vac-45 psig, 3.1 bar



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" buttnut center port.

## Accessories

PAGE 28

### Dual Containment System for Tubing NEW!

Dust Caps and Plugs

Panel Mount Adaptors

Colored Flare Nuts and Keying System for Couplings

## Dimensions and Material Descriptions

PAGE 31

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# Smart Coupling Technology

CPC's **IdentiQuik™** series of Smart Couplings utilizes RFID technology to automatically identify fluid products and their characteristics and capture data from point-of-origin through point-of-use. Data stored on the package insert or fluid delivery line is transferred across the coupling before the two halves are connected. Your control system obtains this data via RS232 communications and uses it to improve safety, prevent misconnections, avoid dangerous combinations, verify processes, protect your brand, and capture important process data.

## Smart Coupling Technology with Integrated RFID

The IdentiQuik series of couplings from Colder Products Company adds the power of RFID to your fluid management process.

RFID tags, storing up to 64 bytes of data, are encapsulated on coupling inserts. Product identification, date, batch, and lot codes can be automatically transferred from inserts on bags, totes, drums, and supply lines to the connecting dispense or fill lines.

Identification of an authorized connection can be achieved and used to notify a machine to turn on, start a pump or alter flow rates.

This data can be used to initiate logic control, such as a turning on a pump, preventing misconnections, validating process recipes, locking out hazardous mixing at a systems level, all resulting in improved safety and more cost-efficient process control.

Smart coupling technology can be applied to virtually any CPC coupling series. CPC engineers work with you to identify the optimal solution for your application.

### IDQU Series

The Universal Dispensing Coupling, designed for bag-in-box and rigid packages offers a screw on cap or disposable fitment for 38mm spouts. Polypropylene bodies with EPDM seals offer greater chemical resistance and NSF listings. Available in 3/8" flow with hose barbs for 1/4"-3/4" ID tubing.

### IDQ Series

The intelligent version of our widely popular PLC series features acetal bodies with 1/4" flow and hose barbs for 1/4"-3/8" ID tubing.

Straight thru and shutoff bodies are available. In-line and elbow inserts with built-in RFID tags can be used for in-line and bag-in-box applications.

### IDQ12 Series

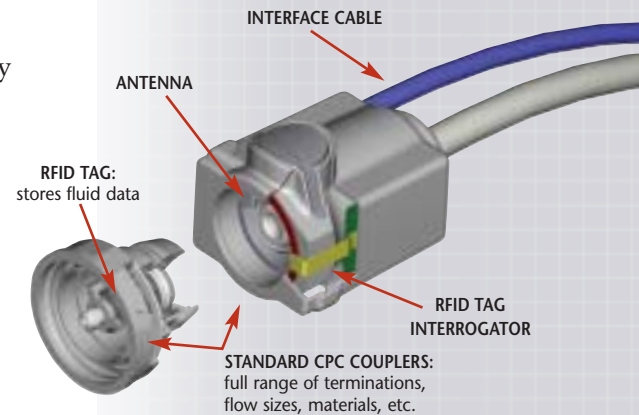
A polypropylene version of the IDQ series is available with hose barbs for 1/4" and 3/8" ID tubing. Shown here with non-valved insert and encapsulated RFID tag.

Visit [www.colder.com/sc](http://www.colder.com/sc) for more information.

Contact our team of "smart" experts for assistance in applying this revolutionary capability to your coupling application.



Smart Coupling Technology with Integrated RFID





# ChemQuik® CQG06 Series **NEW!**

Material: Polypropylene **HP PB NS**

The CQG06 Series is the lowest cost version of our Pressure-Balanced, Non-Spill, High Purity couplings. Molded virgin polypropylene, Viton® seals and a 100% springless and metal-free flow path provide broad chemical resistance and exceptionally high flow capacity, allowing instant disconnects (and reconnects), even under pressure.



Patent Protected

FEATURES	BENEFITS
Non-Spill design	Ultimate protection from chemicals and fumes
Pressure-Balanced design	Failsafe disconnect, even under pressure; easy to reconnect at high pressure
Springless flow path design	Eliminates source of metallic contaminants
Mechanical keying system	Helps prevent accidental misconnects

## Applications may include:

- Portable chemical cart connections
- Equipment, pump and filter connections
- Drums and IBC (tote) connections
- DI water line connections

## CQG06 Series Specifications

### Materials:

**Main components:** Natural, virgin polypropylene

**Seals:** Viton® FKM

*Optional:* Simriz® FFKM perfluoroelastomer

**Springs (non-wetted):** Hastelloy C

**Flare nuts:** PVDF

**Lubricants:** None used

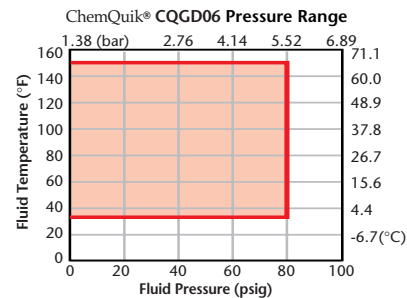
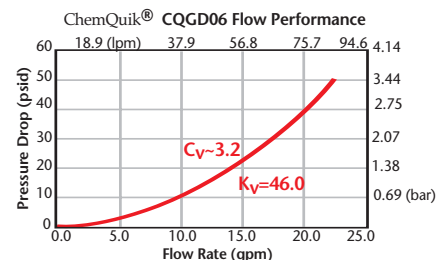
**Spillage (air inclusion):** <0.1 cc (ml)/disconnect (reconnect)

**Panel Mount:** Optional adaptor kit (see accessories section)

**Keying System:** Mechanical keying and color-coding (see page 30)

*Compatible with ChemQuik® Dual Containment System*

*Compatible with DrumQuik® MODULAR Dispense System, Universal and Asian Drum Adaptors.*



Shaded area indicates operating range.

## Coupling Bodies

### Polypropylene

In-Line Bodies	TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
	3/8" OD	Flare Compression	CQGD06 10 0106
	1/2" OD	Flare Compression	CQGD06 10 0108
	3/4" OD	Flare Compression	CQGD06 10 0112
	1/2 Taper	Male NPT	CQGD06 10 0208



## Coupling Inserts

### Polypropylene

In-Line Inserts	TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
	3/8" OD	Flare Compression	CQGD06 20 0106
	1/2" OD	Flare Compression	CQGD06 20 0108
	3/4" OD	Flare Compression	CQGD06 20 0112
	1/2 Taper	Male NPT	CQGD06 20 0208
	3/4 Taper	Male NPT	CQGD06 20 0212†



For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27).

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# ChemQuik® CQH06 Series

Material: Polypropylene – All Plastic **HP**

The CQH06 Series is the most compact and lowest cost version of our ChemQuik® High Purity couplings. They are all plastic couplings with no metal components. Molded, virgin, natural polypropylene, Viton® FKM seals, PEEK® plastic springs, and lube-free design provide broad compatibility and high flow capacity.



Patent Protected

## Applications may include:

- Portable chemical cart connections
- Equipment, pump and filter connections
- DI water line connections/ DI spray guns
- Sampling port lines

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
Color coding system	Helps prevent line misconnects

## CQH06 Series Specifications

### Materials:

**Main components:** Natural, virgin polypropylene

**Valve seals:** Viton® FKM

*Optional:* EPDM, Chemraz® FFKM perfluoroelastomer

**External insert seal:** PFA Encapsulated Viton® FKM

*Optional:* Chemraz® FFKM perfluoroelastomer

**Valve (wetted) and thumb latch spring:** PEEK®

*Optional:* PPS, Teflon® Encapsulated 316SS, Hastelloy C

**Flare nuts:** PVDF

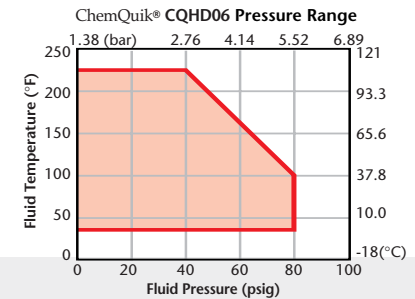
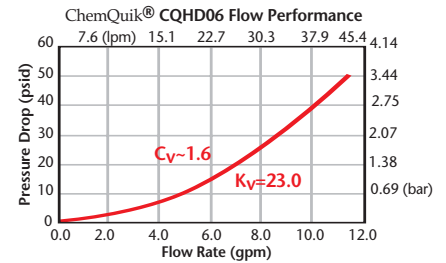
**Lubricants:** None used

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

**Keying System:** Color-coding only, mechanical key not available (see page 30)

*Compatible with ChemQuik® Dual Containment System*

*Compatible with DrumQuik® MODULAR Dispense System, Universal and Asian Drum Adaptors.*



Shaded area indicates operating range.

## Coupling Bodies

### Polypropylene



#### In-Line

TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
1/4" OD	Flare Compression	CQHD06 10 0104
3/8" OD	Flare Compression	CQHD06 10 0106
1/2" OD	Flare Compression	CQHD06 10 0108
3/4" OD	Flare Compression	CQHD06 10 0112
3/8 Taper	Male NPT	CQHD06 10 0206
**3/8 Taper	Male NPT	CQHD06 10 0206 104



#### Panel Mount

TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
1/4" OD	Flare Compression	CQHD06 11 0104
3/8" OD	Flare Compression	CQHD06 11 0106
1/2" OD	Flare Compression	CQHD06 11 0108
3/8 Taper	Male NPT	CQHD06 11 0206

## Coupling Inserts

### Polypropylene



#### In-Line

TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
1/4" OD	Flare Compression	CQHD06 20 0104
3/8" OD	Flare Compression	CQHD06 20 0106
1/2" OD	Flare Compression	CQHD06 20 0108
3/4" OD	Flare Compression	CQHD06 20 0112
3/8 Taper	Male NPT	CQHD06 20 0206†
**3/8 Taper	Male NPT	CQHD06 20 0206 104†
3/4 Taper	Male NPT	CQHD06 20 0212†

For accessories, see page 28. For dimensions, see page 31. †Indicates coupling that can be used with DrumQuik® (see pages 24-27).

\*\* PPS Springs, EPDM seals, recommended for vent line on DrumQuik® MODULAR applications.

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# ChemQuik® CQV06 Series

Material: PVDF – All Plastic **Hp**

The CQV06 Series couplings are similar to the all plastic CQH06 Series couplings; however, they feature molded, virgin PVDF, with superior acid, UV and fire-resistant properties, passing ASTM, UL and ISO testing standards. Chemraz® FFKM perfluoroelastomer seals, PEEK® plastic springs and lube-free design provide broad compatibility and high flow capacity.



Patent Protected

FEATURES	BENEFITS
PVDF material	Superior acid resistance and purity; UV stable
100% metal-free	No risk of metal contaminants or corrosion
Standard Chemraz® seals	Broadest chemical resistance and purity
UV stable and fire-resistant	Suitable for extreme environments

## Applications may include:

- Portable chemical cart connections
- Equipment, pump and filter connections
- Aggressive acid lines
- Sampling port lines

## CQV06 Series Specifications

### Materials:

**Main components:** Natural, virgin PVDF

**Valve seals:** Chemraz® FFKM perfluoroelastomer  
*Optional:* EPDM, Viton® FKM

**External insert seal:** PFA Encapsulated Viton®  
*Optional:* Chemraz® FFKM perfluoroelastomer

**Valve (wetted) and thumb latch spring:** PEEK®  
*Optional:* PPS, Teflon® Encapsulated 316SS, Hastelloy C

**Flare nuts:** PVDF

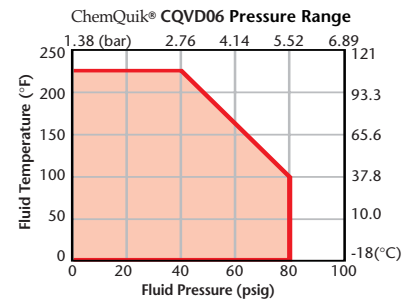
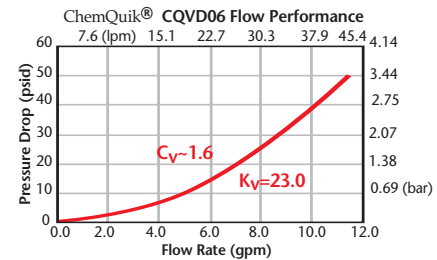
**Lubricants:** None used

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

**Keying System:** Color-coding only (mechanical key not available, see page 30)

*Compatible with ChemQuik® Dual Containment System*

*Compatible with DrumQuik® MODULAR Dispense System, Universal and Asian Drum Adaptors.*



Shaded area indicates operating range.

## Coupling Bodies

PVDF	TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
<b>In-Line</b>	1/4" OD	Flare Compression	CQVD06 10 0104
	3/8" OD	Flare Compression	CQVD06 10 0106
	1/2" OD	Flare Compression	CQVD06 10 0108
	**3/4" OD	Flare Compression	CQVD06 10 0112
	3/8 Taper	Male NPT	CQVD06 10 0206
<b>Panel Mount</b>	1/4" OD	Flare Compression	CQVD06 11 0104
	3/8" OD	Flare Compression	CQVD06 11 0106
	1/2" OD	Flare Compression	CQVD06 11 0108
	3/8 Taper	Male NPT	CQVD06 11 0206

## Coupling Inserts

PVDF	TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
<b>In-Line</b>	1/4" OD	Flare Compression	CQVD06 20 0104
	3/8" OD	Flare Compression	CQVD06 20 0106
	1/2" OD	Flare Compression	CQVD06 20 0108
	**3/4" OD	Flare Compression	CQVD06 20 0112
	3/8 Taper	Male NPT	CQVD06 20 0206†
	**3/4 Taper	Male NPT	CQVD06 20 0212†

For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27). \*\* Special order only.

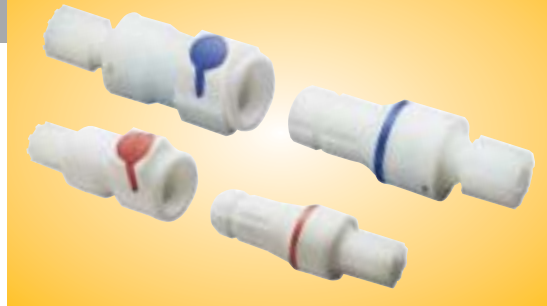
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**NEW!**

# ChemQuik® CQN06 Series

Material: PTFE **HP** **PB** **NS**

The CQN Series features CPC's patented Pressure-Balanced technology in a Non-Spill coupling that can be disconnected and reconnected under pressure. A springless, 100% metal and lubricant-free flow path design, and PTFE material, with its almost universal chemical compatibility and ultra high purity, make them ideal for the most demanding applications in microelectronic, pharmaceutical and laboratory industries.



Patent Protected

## Applications may include:

- Portable chemical cart connections
- Equipment, pump and filter connections
- Drums and IBC (tote) connections
- Those requiring universal chemical compatibility

FEATURES	BENEFITS
Non-Spill design	Ultimate protection from chemicals and fumes
PTFE material and Chemraz® FFKM seals	Can be used with almost any chemical
Springless & metal-free	No contaminants and exceptional flow capacity
Mechanical & color keys	Helps prevent accidental misconnects

## CQN06 Series Specifications

### Materials:

**Main components:** Natural, virgin modified\*\* PTFE (ECTFE thumb latch)

\*\*NOTE: Dyneon™ TFM and/or Teflon® NXT-75

**Seals:** Chemraz® FFKM perfluoroelastomer

**Optional:** Simriz® FFKM perfluoroelastomer (lower cost)

**Springs (non-wetted):** Teflon® encapsulated (not coated) 316 SS

*(Ultra pure fluids are isolated by two degrees of protection. Therefore, the CQN06 & CQN08 Series quick disconnects incorporate the superior performance of metal springs without the danger of fluid contamination. Only Teflon® encapsulated springs located out of the flow path can assure this.)*

**Dowel pins:** PCTFE

**Flare nuts:** PVDF, PFA optional

**Lubricants:** None used

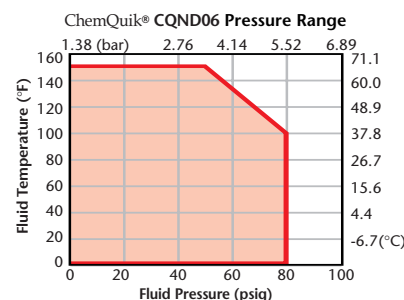
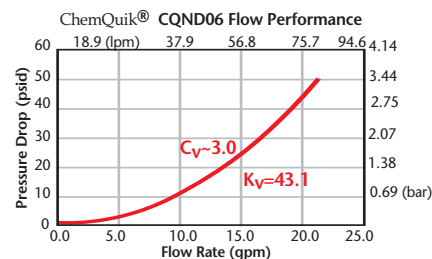
**Spillage (air inclusion):** <0.1 cc (ml)/disconnect/reconnect

**Panel Mount:** Optional adaptor kit (see accessories section)

**Keying System:** Mechanical keying and color coding (see page 30)

Compatible with ChemQuik® Dual Containment System

Compatible with DrumQuik® MODULAR Dispense System, Universal and Asian Drum Adaptors.



Shaded area indicates operating range.

## Coupling Bodies

### PTFE

TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
1/4" OD	Flare Compression	CQND06 10 0104
3/8" OD	Flare Compression	CQND06 10 0106
1/2" OD	Flare Compression	CQND06 10 0108
3/4" OD	Flare Compression	CQND06 10 0112
1/2 Taper	Female NPT	CQND06 10 0308

## Coupling Inserts

### PTFE

TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
1/4" OD	Flare Compression	CQND06 20 0104
3/8" OD	Flare Compression	CQND06 20 0106
1/2" OD	Flare Compression	CQND06 20 0108
3/4" OD	Flare Compression	CQND06 20 0112
3/4 Taper	Male NPT	CQND06 20 0212†
1/2 Taper	Female NPT	CQND06 20 0308

For accessories, see page 28. For dimensions, see page 31. †Indicates coupling that can be used with DrumQuik® (see pages 24-27).



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## ChemQuik® CQN08 Series

Material: PTFE **HP** **PB** **NS**

As big brother to the CQN06 Series, the CQN08 Series couplings have all of the same great features but in a larger flow size. Extremely rugged, they are designed for aggressive high flow/high purity applications. Coupling inserts can be panel mounted. The unique keying system helps prevent misconnects.

FEATURES	BENEFITS
Large flow capacity (7.3 to 9.4 Cv)	Fast fluid transfer
Non-Spill design	Ultimate protection from chemicals and fumes
Pressure-Balanced design	Large flow capacity, yet as easy to connect under pressure as at 0 psig
Mechanical and color keys	Helps prevent accidental misconnects

## CQN08 Series Specifications

### Materials:

**Main components:** Natural, virgin modified\*\* PTFE & PFA

\*\*NOTE: Dyneon™ TFM and/or Teflon® NXT-75

**Seals:** Chemraz® FFKM perfluoroelastomer

*Optional:* Simriz® FFKM perfluoroelastomer (lower cost)

**Springs (non-wetted):** Teflon® encapsulated (not coated) 316 SS

*(Ultra pure fluids are isolated by two degrees of protection. Therefore, the CQN06 & CQN08 Series quick disconnects incorporate the superior performance of metal springs without the danger of fluid contamination. Only Teflon® encapsulated springs located out of the flow path can assure this.)*

**Dowel pins:** PCTFE

**Flare nuts:** PVDF, PFA optional

**Lubricants:** None used

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

**Panel Mount:** Optional adaptor kit (see accessories section)

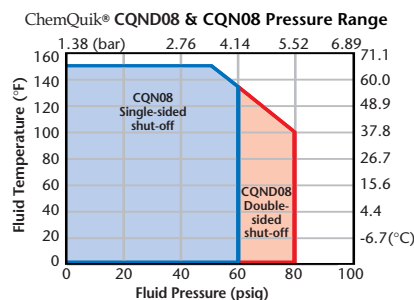
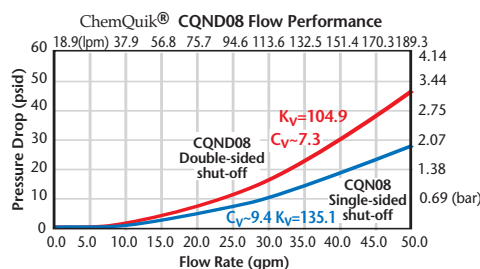
**Keying System:** Mechanical keying and color-coding (see page 30)

Compatible with ChemQuik® Dual Containment System

Compatible with DrumQuik® MODULAR Dispense System, Universal and Asian Drum Adaptors.

### Applications may include:

- Bulk chemical transfer (drums, IBCs, ISO-tainers, tanker trucks, etc.)
- Portable chemical cart connections
- Equipment, pump and filter connections
- Those requiring universal chemical compatibility



Shaded area indicates operating range.

## Coupling Bodies

### PTFE

In-Line	TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
	3/4" OD Tube	Flare Compression	CQND08 10 0112
	1" OD Tube	Flare Compression	CQND08 10 0116
	3/4 Taper Thread	Male NPT	CQND08 10 0212
	3/4 Taper Thread	Female NPT	CQND08 10 0312

## Coupling Inserts

### PTFE

In-Line	TUBING/THREAD SIZE	TERMINATION TYPE	PART NO.
	3/4" OD Tube	Flare Compression	CQND08 20 0112
	1" OD Tube	Flare Compression	CQND08 20 0116
	3/4 Taper Thread	Male NPT	<b>CQND08 20 0212†</b>
	3/4 Taper Thread	Female NPT	CQND08 20 0312
	**3/4 Taper Thread	Female NPT (non-valved)	CQN08 20 0312

For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27).

\*\*Special order only, this non-valved coupling insert will yield a Cv of 9.4 when coupled with valved body.



valved



non-valved

**NEW!**

# NSH Series

Material: Polypropylene **GP** **PB** **NS**

The NSH Series couplings are general purpose versions of our Pressure-Balanced, Non-Spill, ChemQuik CQG06 couplings. Molded polypropylene, EPDM seals and a 100% springless and metal-free flow path provide broad chemical resistance and exceptionally high flow capacity, allowing instant disconnects (and reconnects), even under pressure. Their non-spill design virtually eliminates spills, minimizes downtime and enhances operator safety in a very low cost package.



Patent Protected

Color-coded NSH couplings.

## FEATURES

Non-Spill design

Pressure-Balanced design

Springless flow path design

Optional color-coding

## BENEFITS

Ultimate protection from chemicals and fumes

Failsafe disconnect, even if under pressure; easy to reconnect at high pressure

Eliminates source of metallic contaminants

Helps prevent accidental misconnects

## Applications may include:

- Portable chemical cart connections
- Equipment, pump and filter connections
- Drums & IBC (tote) connections
- Water treatment plants, car washes, industrial laundry

## Coupling Bodies

### Polypropylene

#### Pipe Thread

THREAD SIZE	TERMINATION TYPE	PART NO.
3/8" NPT	Female NPT Thread	NSHD19006
3/8" BSPT	Male BSPT Thread	NSHD10006BSPT
1/2" NPT	Male NPT Thread	NSHD10008
3/4" NPT	Male NPT Thread	NSHD10012

#### In-Line

#### Compression

TUBING SIZE	METRIC EQ.	TERMINATION TYPE	PART NO.
3/8" OD	9.5mm OD	Compression	NSHD13006
1/2" OD	12.7mm OD	Compression	NSHD13008

#### Hose Barb

TUBING SIZE	METRIC EQ.	TERMINATION TYPE	PART NO.
3/8" ID	9.5mm ID	Hose Barb	NSHD17006
1/2" ID	12.7mm ID	Hose Barb	NSHD17008
5/8" ID	15.9mm ID	Hose Barb	NSHD17010
3/4" ID	19.0mm ID	Hose Barb	NSHD17012

For accessories, see page 28. For dimensions, see page 31.



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# NSH Series Specifications

## Materials:

**Main components:** Glass-filled, light gray polypropylene

**Thumb latch:** Glass-filled, dark gray polypropylene

**Seals:** EPDM

*Optional:* Viton® FKM

**Springs (non-wetted):** 316 stainless steel

*Optional:* Hastelloy C

**Compression nuts:** Glass-filled, white polypropylene

**Lubricants:** Krytox® PFPE (inert)

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

**Panel Mount:** Optional adaptor kit (see accessories section)

**Keying System:** Color-coding only (red or blue), mechanical key not available

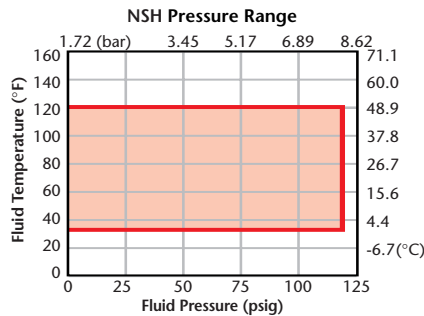
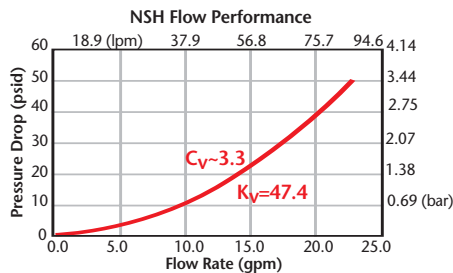
*Compatible with ChemQuik® Dual Containment System*

*Compatible with DrumQuik® MODULAR Dispense System,  
Universal and Asian Drum Adaptors.*



Patent Protected

Panel mount NSH series coupling.



Shaded area indicates operating range.

## Coupling Inserts

### Polypropylene

#### Pipe Thread

THREAD SIZE	TERMINATION TYPE	PART NO.
3/8" NPT	Female NPT Thread	NSHD26006
3/8" BSPT	Male BSPT Thread	NSHD24006BSPT
1/2" NPT	Male NPT Thread	NSHD24008
3/4" NPT	Male NPT Thread	NSHD24012†



#### In-Line

#### Compression

TUBING SIZE	METRIC EQ.	TERMINATION TYPE	PART NO.
3/8" OD	9.5mm OD	Compression	NSHD20006
1/2" OD	12.7mm OD	Compression	NSHD20008




#### Hose Barb

TUBING SIZE	METRIC EQ.	TERMINATION TYPE	PART NO.
3/8" ID	9.5mm ID	Hose Barb	NSHD22006
1/2" ID	12.7mm ID	Hose Barb	NSHD22008
5/8" ID	15.9mm ID	Hose Barb	NSHD22010
3/4" ID	19.0mm ID	Hose Barb	NSHD22012



For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27).

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**NEW!**

# NS6 Series Non-Spill Couplings

Material: Polypropylene **Gp** **NS**

Patent-pending NS6 Series couplings feature non-spill valves in a compact size, at a great price. Use the NS6 when even a few drops of spillage pose problems regarding safety, media cost or environmental regulations. These innovative couplings are lightweight, chemically-resistant and easy to use. The Non-Spill design virtually eliminates spills, minimizes downtime and enhances operator safety. Soft touch overmold makes them comfortable in the hand and very attractive.



Patent Pending

FEATURES	BENEFITS
Non-Spill design	Disconnect under pressure with no spills
Color-coding	Instant visual differentiation of media lines
Glass-filled polypropylene	Durable and compatible with many chemicals
CPC thumb latch	One-hand connection and disconnection
TPV overmold	Provides "soft touch" feel for excellent ergonomics

## Applications may include:

- Ink handling
- Chemical delivery systems
- Electronic cooling
- Instrumentation
- Medical devices
- Water treatment plants, car washes, industrial laundry

## Coupling Bodies

### Polypropylene



#### Pipe Thread

THREAD SIZE	TERMINATION TYPE	PART NO.
1/2" NPT	Male NPT Thread	NS6D10008
1/2" BSPT	Male BSPT Thread	NS6D10008BSPT

#### In-Line

##### Compression

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
1/2" OD	12.7mm OD	Compression	NS6D13008

#### Hose Barb

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
3/8" ID	9.5mm ID	Hose Barb	NS6D17006
1/2" ID	12.7mm ID	Hose Barb	NS6D17008

For accessories, see page 28. For dimensions, see page 31.



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# NS6 Series Specifications

## Materials:

**Main components:** Glass-filled, polypropylene

**Thumb latch:** Glass-filled, polypropylene

**Valve spring (wetted):** 316 stainless steel  
*Optional:* Hastelloy C

**External spring:** 316 stainless steel  
*Optional:* Hastelloy C

**O-rings:** EPDM  
*Optional:* FKM

**Soft touch overmold:** TPV\*

**Color:** Gray with dark gray overmold standard  
(gray with red or blue overmold available)

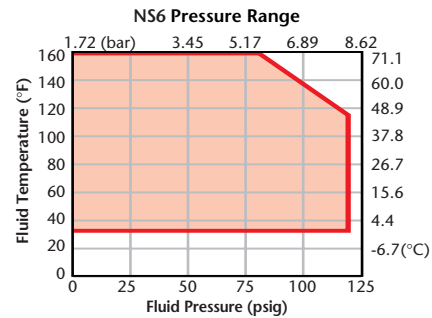
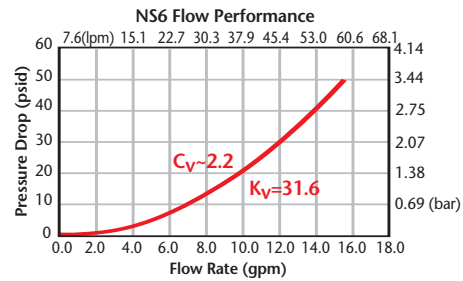
**Lubricants:** Krytox® PFPE (inert)

**Spillage:** ~0.03 cc/disconnect @ 0 psi,  
~0.30 cc/disconnect @ 120 psi

**Panel Mount:** Integral; available on insert only

**Keying System:** Color-coding only (mechanical key not available)

\*The overmold material is known as TPV (thermoplastic vulcanizate). This TPV is an alloy of polypropylene thermoplastic and fully vulcanized EPDM rubber. The material is typically resistant to water, acids and bases.



Shaded area indicates operating range.

## Coupling Inserts

### Polypropylene

#### Pipe Thread

THREAD SIZE	TERMINATION TYPE	PART NO.
1/2" NPT	Male NPT Thread	NS6D24008†
1/2" BSPT	Male BSPT Thread	NS6D24008BSPT

#### In-Line

##### Compression

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
1/2" OD 3/8" ID	12.7mm OD 9.5mm ID	Compression	NS6D20008

#### Hose Barb

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
3/8" ID	9.5mm ID	Hose Barb	NS6D22006
1/2" ID	12.7mm ID	Hose Barb	NS6D22008

#### Panel Mount

##### Compression

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
1/2" OD 3/8" ID	12.7mm OD 9.5mm ID	Compression	NS6D40008

#### Hose Barb


Panel Hole 1-1/4" (31.8mm)

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
3/8" ID	9.5mm ID	Hose Barb	NS6D42006
1/2" ID	12.7mm ID	Hose Barb	NS6D42008



For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27); requires a 3/4" NPT to 1/2" NPT adaptor bushing for use with DrumQuik MODULAR.

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**NEW!**

# NS4 Series Non-Spill Couplings

Material: Polypropylene **Gp** **Ns**

Ideal for installations where space is at a premium, patented NS4 Series couplings have the same great features as NS6 couplings but in a more compact package, at a great price. Use the NS4 when even a few drops of spillage pose problems regarding safety, media cost or environmental regulations. These innovative couplings are lightweight, chemically-resistant and easy to use. The Non-Spill design virtually eliminates spills, minimizes downtime and enhances operator safety.



Patent Protected

## Applications may include:

- Ink handling
- Chemical delivery systems
- Electronic cooling
- Instrumentation
- Medical devices
- Lab uses

FEATURES	BENEFITS
Non-Spill design	Disconnect under pressure with no spills
Color-coding	Instant visual differentiation of media lines
Glass-filled polypropylene	Durable and compatible with many chemicals
CPC thumb latch	One-hand connection and disconnection
TPV overmold	Provides "soft touch" feel for excellent ergonomics

## Coupling Bodies



### Polypropylene

#### Pipe Thread

THREAD SIZE	TERMINATION TYPE	PART NO.
1/4" NPT	Male NPT Thread	NS4D10004
1/4" BSPT	Male BSPT Thread	NS4D10004BSPT

#### In-Line

*Ferruleless Polytube Fitting, PTF‡*

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
3/8" OD 1/4" ID	9.5mm OD 6.4mm ID	Compression	NS4D13006

#### Hose Barb

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
1/8" ID*	3.2mm ID*	Hose Barb	NS4D17002
1/4" ID	6.4mm ID	Hose Barb	NS4D17004
3/8" ID	9.5mm ID	Hose Barb	NS4D17006

*For accessories, see page 28. For dimensions, see page 31.*

\*For 1/8" (3.2mm) ID tubing, maximum tube OD is 1/4" (6.4mm).

‡CPC's Ferruleless PTF (Polytube Fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. PTF fittings are designed for semi-rigid tubing, e.g., polyethylene, nylon, polyurethane, etc.



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# NS4 Series Specifications

## Materials:

**Main components:** Glass-filled, polypropylene

**Thumb latch:** Glass-filled, polypropylene

**Valve spring (wetted):** 316 stainless steel  
*Optional:* Hastelloy C

**External spring:** 316 stainless steel  
*Optional:* Hastelloy C

**O-rings:** EPDM  
*Optional:* FKM

**Soft touch overmold:** TPV\*

**Color:** Gray with dark gray overmold standard  
 (gray with red or blue overmold available)

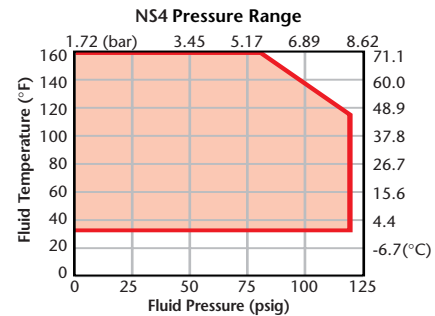
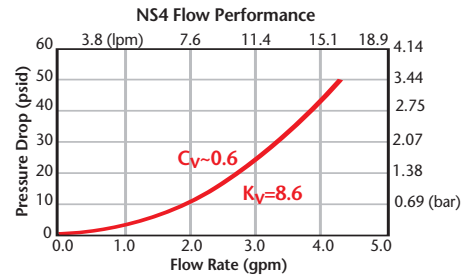
**Lubricants:** Krytox® PFPE (inert)

**Spillage:** <0.10 cc/disconnect

**Panel Mount:** Integral; available on insert only

**Keying System:** Color-coding only (mechanical key not available)

\*The overmold material is known as TPV (thermoplastic vulcanizate). This TPV is an alloy of polypropylene thermoplastic and fully vulcanized EPDM rubber. The material is typically resistant to water, acids and bases.



Shaded area indicates operating range.

## Coupling Inserts

### Polypropylene

#### Pipe Thread

THREAD SIZE	TERMINATION TYPE	PART NO.
1/4" NPT	Male NPT Thread	NS4D24004†
1/4" BSPT	Male BSPT Thread	NS4D24004BSPT

#### In-Line

*Ferruleless Polytube Fitting, PTF‡*

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
3/8" OD 1/4" ID	9.5mm OD 6.4mm ID	Compression	NS4D20006

#### Hose Barb

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
1/8" ID*	3.2mm ID*	Hose Barb	NS4D22002
1/4" ID	6.4mm ID	Hose Barb	NS4D22004
3/8" ID	9.5mm ID	Hose Barb	NS4D22006

#### Panel Mount

*Ferruleless Polytube Fitting, PTF‡*

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
3/8" OD 1/4" ID	9.5mm OD 6.4mm ID	Compression	NS4D40006

#### Hose Barb

TUBING SIZE	METRIC EQ	TERMINATION TYPE	PART NO.
1/8" ID*	3.2mm ID*	Hose Barb	NS4D42002
Panel Hole 15/16" (23.9mm)	1/4" ID	Hose Barb	NS4D42004
	3/8" ID	Hose Barb	NS4D42006

For accessories, see page 28. For dimensions, see page 31.

\*For 1/8" (3.2mm) ID tubing, maximum tube OD is 1/4" (6.4mm).

‡CPC's Ferruleless PTF (Polytube Fitting) terminations do not require ferrules to achieve a secure connection and are therefore easier to use and reuse. PTF fittings are designed for semi-rigid tubing, e.g., polyethylene, nylon, polyurethane, etc.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27); requires a 3/8" NPT to 1/4" NPT adaptor bushing for use with DrumQuik UDA 2-Port.



# HFC12 Series

Material: Polypropylene 

Patented HFC12 Series couplings have flow comparable to many 1/2" nominal flow couplings in a 3/8" body size. Compact and lightweight, HFC couplings replace bulky and heavy brass ball-and-sleeve couplings in a wide range of applications. An ergonomic design and a large shrouded thumb latch pad produce a coupling that is easy to grip and simple to operate. An efficient valve design leads to high flow and low spillage.



Patent Protected

## Applications may include:

- Photo processing chemicals
- Battery filling equipment
- Air mattress systems
- Spray equipment
- Antifreeze recycling
- Thermal management

## FEATURES

## BENEFITS

High efficiency valve	More flow and less spillage in a compact size
Ergonomic design	Easy to grip, simple to operate
Polypropylene material	Chemically-resistant and gamma sterilizable
CPC compatible	Mates with HFC35 and HFC57 couplings

## Coupling Bodies

### Polypropylene

#### Pipe Thread

THREAD SIZE	STRAIGHT THRU	SHUTOFF
3/8" NPT	<b>HFC10612</b>	<b>HFCD10612†</b>
3/8" BSPT	HFC10612BSPT	HFCD10612BSPT
1/2" NPT	HFC10812	HFCD10812
3/4" NPT	<b>HFC101212</b>	<b>HFCD101212†</b>

#### Bulkhead Panel Mount

##### Hose Barb

Panel Hole 1.21" (31mm)

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF
3/8" ID	9.5mm ID	HFC16612	HFCD16612
1/2" ID	12.7mm ID	HFC16812	HFCD16812
5/8" ID	15.9mm ID	HFC161012	HFCD161012
3/4" ID	19.0mm ID	HFC161212	HFCD161212

#### Compression

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF
3/8" ID	9.5mm ID	HFC12612	HFCD12612
1/2" ID	12.7mm ID	HFC12812	HFCD12812

#### In-Line

##### Hose Barb

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF
3/8" ID	9.5mm ID	HFC17612	HFCD17612
1/2" ID	12.7mm ID	HFC17812	HFCD17812
5/8" ID	15.9mm ID	HFC171012	HFCD171012
3/4" ID	19.0mm ID	HFC171212	HFCD171212

#### Compression

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF
3/8" ID	9.5mm ID	HFC13612	HFCD13612
1/2" ID	12.7mm ID	HFC13812	HFCD13812

For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27).



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# HFC12 Series Specifications

**Materials:**

**Main components and valves:** Virgin, gray polypropylene

**Thumb latch:** Virgin, dark gray polypropylene

**Valve spring (wetted):** 316 stainless steel

*Optional:* Hastelloy C

**External springs:** 316 stainless steel

*Optional:* Hastelloy C

**O-rings:** EPDM

*Optional:* FKM

**Panel mount gasket:** EPDM

*Optional:* Hastelloy C

**Lubricant:** Silicone

**Spillage:** ~1.5 cc/disconnect

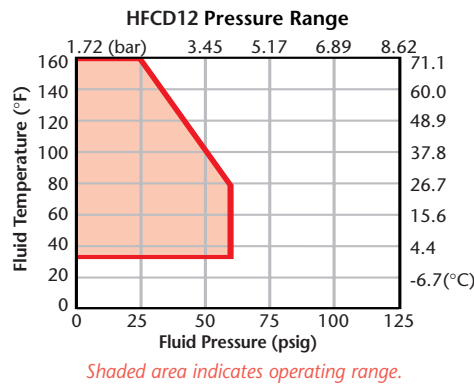
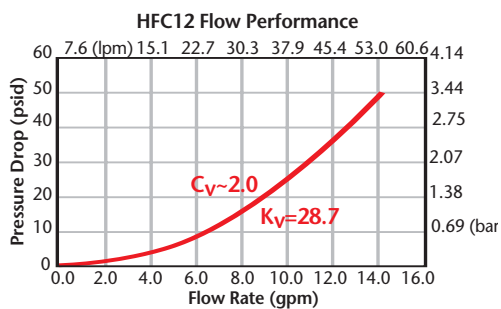
**Panel Mount:** Integral; available on body only

**Keying System:** Not available

**WARNING:** Pressure, temperature, chemicals, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC products in their own application conditions. Use the graphs below as a guide.



HFC couplings are used on liquid chillers to recirculate cooling fluids in laser, laboratory and medical products.



## Coupling Inserts

### Polypropylene

#### Pipe Thread

THREAD SIZE	STRAIGHT THRU	SHUTOFF
3/8" NPT	HFC24612	HFCD24612†
3/8" BSPT	HFC24612BSPT	HFCD24612BSPT
1/2" NPT	HFC24812	HFCD24812
3/4" NPT	HFC241212	HFCD241212†

#### In-Line Hose Barb

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF
3/8" ID	9.5mm ID	HFC22612	HFCD22612
1/2" ID	12.7mm ID	HFC22812	HFCD22812
5/8" ID	15.9mm ID	HFC221012	HFCD221012
3/4" ID	19.0mm ID	HFC221212	HFCD221212

#### Compression

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF
3/8" ID	9.5mm ID	HFC20612	HFCD20612
1/2" ID	12.7mm ID	HFC20812	HFCD20812

#### Elbow Hose Barb

TUBING SIZE	METRIC EQ.	STRAIGHT THRU	SHUTOFF
3/8" ID	9.5mm ID	HFC23612	HFCD23612
1/2" ID	12.7mm ID	HFC23812	HFCD23812



For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27).

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# EFC12 Series

Material: Polypropylene 

The EFC Series couplings feature a high efficiency valve design that provides for a greater flow capability than any other coupling its size. Chemically-resistant polypropylene material makes it ideal for harsh environments. The EFC Series adds a bulkhead panel mount option for tight seals against tank walls and drums.



## Applications may include:

- Soap dispensing
- Fume hoods
- Dry cleaning chemicals
- Battery filling equipment
- Package filling machinery
- Electronics water treatment

FEATURES	BENEFITS
High efficiency valve	More flow in a compact size
Plastic thumb latch	Fewer moving parts
Polypropylene material	Chemically-resistant and gamma sterilizable
CPC compatible	Mates with most APC couplings

## Coupling Bodies



### Polypropylene

#### Pipe Thread

THREAD SIZE	METRIC EQ.	SHUTOFF
1/4" NPT		EFCD10412†
3/8" NPT		EFCD10612†



#### Bulkhead Panel Mount

##### Hose Barb

Panel Hole 11/16" (18mm)

TUBING SIZE	METRIC EQ.	SHUTOFF
1/4" ID	6.4mm ID	EFCD16412
3/8" ID	9.5mm ID	EFCD16612



#### In-Line

##### Hose Barb

TUBING SIZE	METRIC EQ.	SHUTOFF
1/4" ID	6.4mm ID	EFCD17412
3/8" ID	9.5mm ID	EFCD17612

For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27).



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# EFC12 Series Specifications

## Materials:

**Main components and valves:** Virgin, light gray polypropylene

**Thumb latch:** Virgin, dark gray polypropylene

**Valve spring (wetted):** 316 stainless steel

**External springs:** 302 stainless steel

**O-rings:** EPDM

**Panel mount gasket:** EPDM

**Lubricant:** Silicone

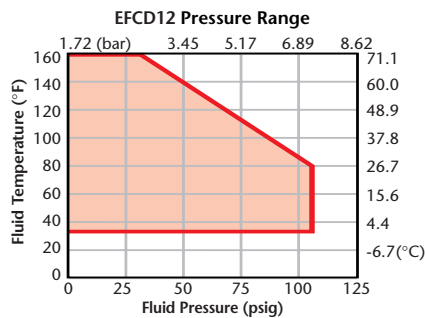
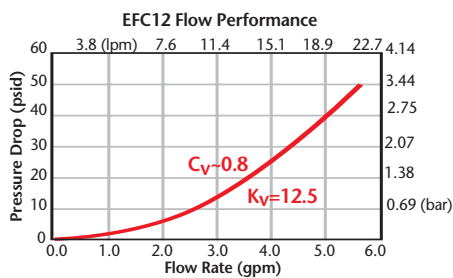
**Spillage:** ~1.3 cc/disconnect

**Panel Mount:** Integral; available on body only

**Keying System:** Not available



EFC quick disconnect coupling simplifies chemical draining process.



Shaded area indicates operating range.

## Coupling Inserts

### Polypropylene

#### Pipe Thread

THREAD SIZE
1/4" NPT
3/8" NPT

#### SHUTOFF

EFCD24412†
EFCD24612†

#### In-Line

#### Hose Barb

TUBING SIZE	METRIC EQ.
1/4" ID	6.4mm ID
3/8" ID	9.5mm ID

STRAIGHT THRU
EFC22412
EFC22612

SHUTOFF
EFCD22412
EFCD22612

#### Elbow

#### Hose Barb

TUBING SIZE	METRIC EQ.
1/4" ID	6.4mm ID
3/8" ID	9.5mm ID


STRAIGHT THRU
EFC23412
EFC23612

SHUTOFF
EFCD23412
EFCD23612



For accessories, see page 28. For dimensions, see page 31.

†Indicates coupling that can be used with DrumQuik® (see pages 24-27).

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**NEW!**

# DrumQuik® MODULAR Dispense System Gp Hp

Material: Polypropylene and PTFE



The easy to use DrumQuik® MODULAR Dispense System combines your choice of ChemQuik® or General Purpose couplings with a modular dip-tube- based system for the extraction of aggressive or ultra-pure chemicals from drums and IBCs. This extremely durable and reliable two-port, closed system increases operator safety and reduces downtime by virtually eliminating dangerous spills and fumes.

FEATURES	BENEFITS
Modular design	Provides flexibility in system configuration
Two-port system	Eliminates fumes and allows N2 ports and recirculation
Standard threads	Fits common drum bungs (2" buttress, BCS 56x4, etc.)

### Applications may include:

- Bio/Pharm clean-in-place chemicals
- Micro-electronic high purity chemicals
- Industrial chemicals used in water treatment, car wash, laundry, and more

## DrumQuik® Specifications (will vary based on couplings and container selected)

### Materials:

**Main Components:** Natural, virgin PTFE or polypropylene

**Dip-Tube Seal:** FEP Encapsulated Viton® FKM

**\*Vent Check Valve:** PVDF with Hastelloy C spring, Viton® seal

**\*Back Flow Check Valve:** PFA, Kalrez® seal

**Seals:** FEP Encapsulated Viton® – included with Drum Insert

**Lubricants:** None used

**Coupling Components:** Dependent on coupling (see coupling product pages for specifications)

**\*NOTE:** Some applications require the use of a back flow check valve (BCV) which prevents reverse flow when suction pump is turned off. CPC recommends that the BCV be installed immediately downstream from the liquid line coupling body. Similarly, to allow air into drum, but prevent fumes from escaping, install a vent check valve (VCV) in vent port. Contact CPC factory for assistance, also see page 27.

**Construction Type:** Modular drum insert bung and dip-tube

**Number of Ports:** Two; one 3/4" female NPT liquid port and one 3/8" female NPT vent port (with backup seals included in seal kit)

**Drum Thread:** Industry standard 2" buttress, 2" NPS and BCS 56x4 (European standard) – others available by special order; contact factory

**Dip-Tube Length:** 35.3" (897mm) or 55" (1397mm) (measured from sealing surface, may be trimmed to fit special container)

**Pressure:** 0 to 45 psig (0 to 3.1 bar)

**Temperature:** 0° to 150° F (-17 to 65° C), polypropylene limited to 32° F (0° C)

*For DrumQuik accessories, see page 27.*

## Standard Products

	DESCRIPTION	PART NO.
<b>Drum Inserts</b>	Bung, polypropylene, 3/4" NPT liquid port, 3/8" NPT vent, 2" buttress	DQM DI2PP 2BUT (coarse thread, U.S. standard)
	Bung, polypropylene, 3/4" NPT liquid port, 3/8" NPT vent, 2" NPS	DQM DI2PP 2NPS (fine thread, U.S. standard)
	Bung, polypropylene, 3/4" NPT liquid port, 3/8" NPT vent, BCS 56x4	DQM DI2PP 56X4 (European standard)
	Bung, PTFE, 3/4" NPT liquid port, 3/8" NPT vent, 2" buttress	DQM DI2PTFE 2BUT (coarse thread, U.S. standard)
	Bung, PTFE, 3/4" NPT liquid port, 3/8" NPT vent, 2" NPS	DQM DI2PTFE 2NPS (fine thread, U.S. standard)
	Bung, PTFE, 3/4" NPT liquid port, 3/8" NPT vent, BCS 56x4	DQM DI2PTFE 56X4 (European standard)
<b>Dip-Tubes</b>	Dip-tube, polypropylene, 35.3" (897mm) long from sealing surface	DQM DTUBE PP35
	Dip-tube, polypropylene, 55" (1397mm) long from sealing surface	DQM DTUBE PP55
	Dip-tube, PTFE, 35.3" (897mm) long from sealing surface	DQM DTUBE PTFE35
	Dip-tube, PTFE, 55" (1397mm) long from sealing surface	DQM DTUBE PTFE55
<b>Pipe Plugs</b>	Hex pipe plug, 3/8" NPT, PFA material	DQM PLUG PFA06
	Hex pipe plug, 3/8" NPT, PFA material	DQM PLUG PFA12
<b>Vent Check Valve (VCV)</b> <i>(prevents fumes from escaping)</i>	DESCRIPTION	PART NO.
	For DrumQuik vent port (see page 27)	DQM CK PVDF0206
<b>Back Flow Check Valve (BCV)</b> <i>(prevents return flow to drum)</i>	DESCRIPTION	PART NO.
	Mount downstream of liquid coupling (see page 27)	DQM CK PFA0308



# DrumQuik® MODULAR Configuration

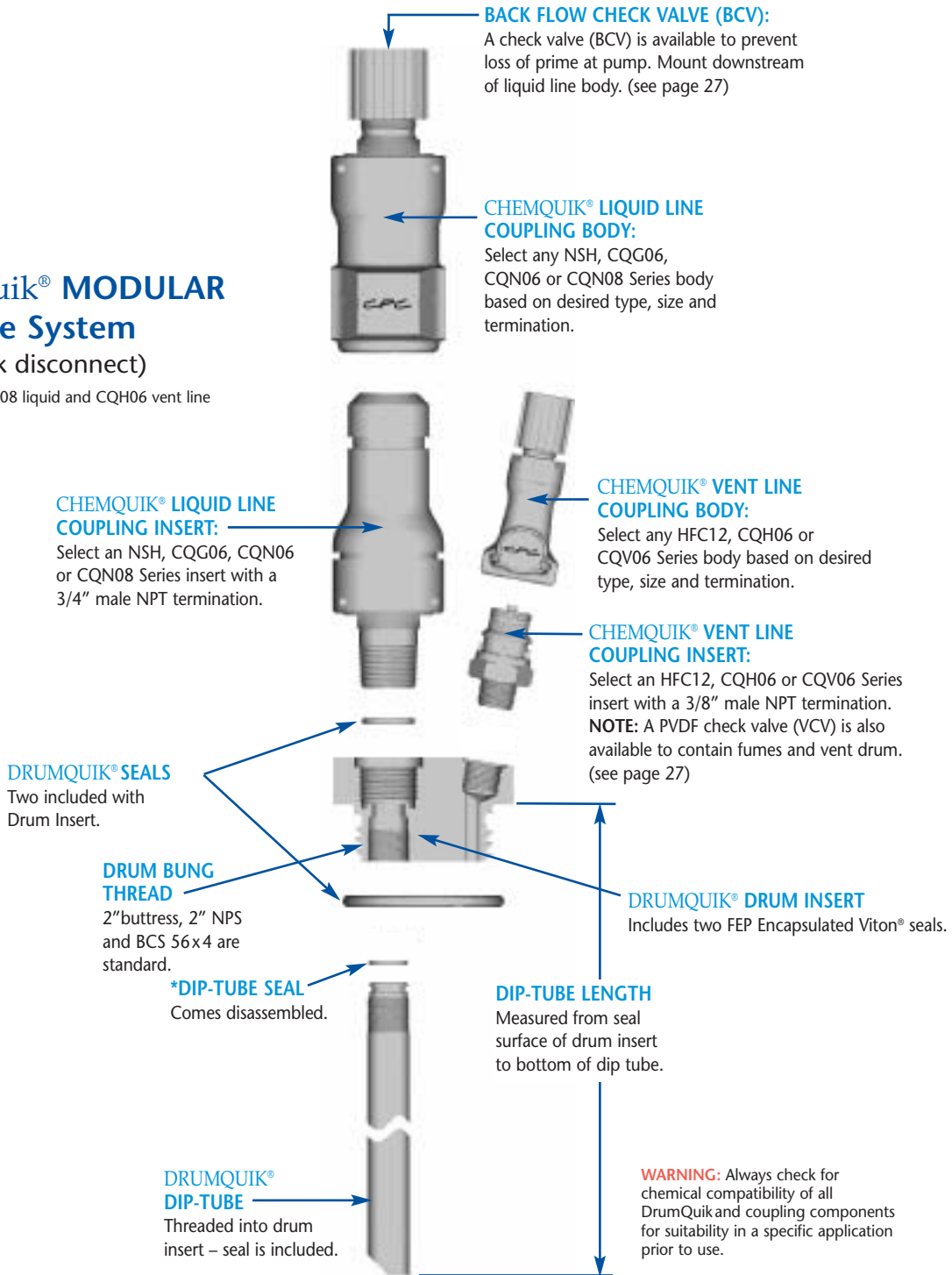
DrumQuik® dip-tubes and mating ChemQuik® or General Purpose couplings provide the ultimate system for extracting chemicals from drums and larger IBC/tote containers.

Any standard CPC ChemQuik, NSH or HFC12 Series coupling set (or even common fittings) can be used with the DrumQuik system to provide instant, safe and reliable connections of chemical lines to rigid containers. Simply thread the coupling(s) into to the DrumQuik Drum Insert to provide the system connection. Then, thread in a DrumQuik Dip-Tube of proper length for a perfect match to your drum or IBC/tote. Insert the assembly into the container and your system is complete.

## DrumQuik® MODULAR Dispense System

(with quick disconnect)

Shown with CQN08 liquid and CQH06 vent line couplings.



\*NOTE: Be sure to install seal on dip-tube before assembling dip-tube with drum insert.

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Coming Soon\*

# DrumQuik® MODULAR Universal Drum Adaptors

## DrumQuik® DQUDA Universal Drum Adaptor Kit

The DrumQuik® Universal Drum Adaptor kit (DQ UDA) turns any ChemQuik® or General Purpose (HFC or NSH) coupling 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. The kit includes a dip tube and (in some instances) a bushing that presses into the 3/4" male NPT termination available on all ChemQuik and General Purpose (HFC and NSH) coupling inserts. It is easy to assemble and requires no modifications. To vent drum use second opening as shown in photo or use our 2-port system shown below. It's simple, inexpensive and reusable.



Universal Drum Adaptor Kit.



PART NO.	DESCRIPTION
DQ UDAKIT PP35	Kit for 55 gal drum (35" dip-tube), polypropylene
DQ UDAKIT PP55	Kit for IBC (55" dip-tube), polypropylene
Use above kits with HFC, NSH, CQG06, and CQH06 Series couplings.	
DQ UDAKIT PTFE35	Kit for 55 gal drum (35" dip-tube), PTFE
DQ UDAKIT PTFE55	Kit for IBC (55" dip-tube), PTFE
Use above kits with CQN Series couplings.	

Coming Soon\*

## DrumQuik® DQUDA 2-Port Drum Adaptor Kit

Like the DQUDA, the DQUDA 2-port system is intended to thread into the 3/4 female NPS port of common drums, 5 gallon (20 liter) pails or even Nalgene® bottle closures. However, it features 2-ports; a 3/8 female NPT liquid port that connects to the dip-tube (included), and a 1/4 female NPT vent port. An o-ring seal assures a tight seal to the closure plug. Simply select the couplings of your choice for the application, assemble the system, trim the dip-tube to desired length, and thread into the container. You are now ready to dispense and vent the container using just one opening. Simple, inexpensive and reusable.




Universal 2-Port Drum Adaptor Kit.

PART NO.	DESCRIPTION
DQ UDA2PKIT PP	2-port adaptor, polypropylene with FKM seal and 38" (965mm) dip-tube (3/8" female NPT liquid port, 1/4" female NPT vent port)
DQ UDA2P NALNUT	Adaptor nut to secure to Nalgene® cap, polypropylene
(A 1-1/8" (28.5mm) hole must be punched in top of Nalgene cap to allow adaptor to be inserted. Seal to go on outside, not inside of cap.)	

**NOTE:** The DQ UDA kits are designed to only work with CPC couplings that have 3/4" NPT male terminations. The DQ UDA 2-Port kits are designed to work with a 3/8" NPT male on the liquid port and a 1/4" NPT male on the vent port. A 3/8" male NPT to 1/4" female NPT reducer bushing may be required to accommodate smaller NS4, PLC and PMC Series couplings.

\*Expected release end of Q3 2004. Contact factory for availability.

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# DrumQuik® Adaptors, Check Valves and Accessories

## DrumQuik® Asian Drum Adaptors

Coming Soon\*

The DrumQuik® Asian Drum Adaptors are bushings that allow any ChemQuik® or General Purpose (HFC or NSH) coupling to easily be 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.



**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.

PART NO.	DESCRIPTION
DQ ADA PCTFE 1212	Type A Adaptor; polypropylene, with Viton® FKM seals
DQ ADA PCTFE 1222	Type B Adaptor; polypropylene, with Viton® FKM seals

NOTE: Other materials possible; contact factory for quote and lead time.

## DrumQuik® Check Valves

Coming Soon\*

The DrumQuik® Check Valve is intended for use with the DrumQuik MODULAR Dispense System. When used as a Vent Check Valve (VCV), it allows make-up air into the drum when liquid is removed, but will prevent fumes from escaping. When used as a Back Flow Check Valve (BCV), it is intended to serve as a common "foot valve" and prevent the pump from losing its prime during extended periods of inactivity. Several sizes and materials are offered for flexibility in either application.



PVDF version



High purity PFA version

PART NO.	DESCRIPTION
DQM CK PVDF 0204	PVDF, Hastelloy C spring, Viton® FKM seal (1/4" male NPT inlet and outlet)
DQM CK PVDF 0206	PVDF, Hastelloy C spring, PTFE ball, Viton® FKM seal (3/8" male NPT inlet and outlet)
DQM CK PVDF 0208	PVDF, Hastelloy C spring, Viton® FKM seal (1/2" male NPT inlet and outlet)
DQM CK PFA 0308‡	High purity PFA, Kalrez® FFKM seal (1/2" female NPT inlet and outlet)

‡NOTE: Special order; contact factory for availability.

## DrumQuik® Universal Drum Adaptor Bung Plugs

Coming Soon\*

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



Couplings can be adapted to a wide range of closures.

PART NO.	DESCRIPTION
DQM BUNGPP 2BUT12	Bung closure, poly, 2" buttress x 3/4" female NPS
DQM BUNGPP 2NPS12	Bung closure, poly, 2" NPS x 3/4" female NPS
DQM BUNGPP 56X412	Bung closure, poly, BCS56 x 4, 3/4" female NPS
DQM CAPP 70mm	Cap closure, poly, 70mm, 3/4" female NPS

\*Expected release end of Q3 2004. Contact factory for availability.

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# Accessories

## ChemQuik® Dual Containment System Hp

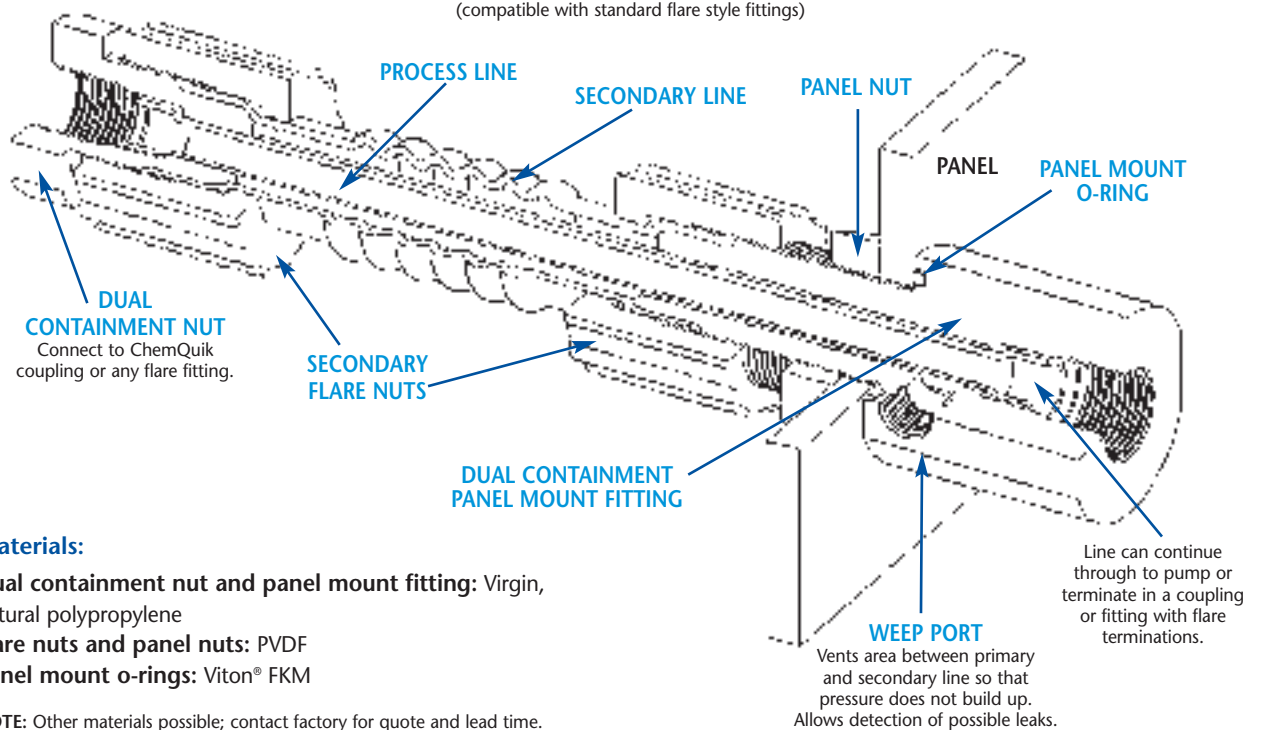
The ChemQuik® Dual Containment System is an easy way to ‘double contain’ critical chemical lines, protecting plant and personnel in case a primary process line ruptures or ‘sweats.’ The system provides a protective secondary line to catch any fluid and routes it to a safe location.

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.

### ChemQuik® Dual Containment Flare Nuts and Panel Mount Fittings

(compatible with standard flare style fittings)



#### Materials:

**Dual containment nut and panel mount fitting:** Virgin, natural polypropylene

**Flare nuts and panel nuts:** PVDF

**Panel mount o-rings:** Viton® FKM

**NOTE:** Other materials possible; contact factory for quote and lead time.

PART NO.	DESCRIPTION	PANEL HOLE DIAMETER (MINIMUM)
CQ DCNUT 0408	Dual Containment Flare Nut: 1/4 OD Process line x 1/2 OD secondary line	N/A
CQ DCNUT 0612	DC Flare Nut: 3/8 x 3/4	N/A
CQ DCNUT0812	DC Flare Nut: 1/2 x 3/4	N/A
CQ DCNUT1216	DC Flare Nut: 3/4 x 1	N/A
CQ PM DCNUT 0408	Panel Mount DC Flare Fitting: 1/4 x 1/2	0.75" (19.05mm)
CQ PM DCNUT 0612	Panel Mount DC Flare Fitting: 3/8 x 3/4	1.00" (25.4mm)
CQ PM DCNUT 0812	Panel Mount DC Flare Fitting: 1/2 x 3/4	1.00" (25.4mm)
CQ PM DCNUT 1216	Panel Mount DC Flare Fitting: 3/4 x 1	1.44" (36.5mm)

For accessories, see page 28. For dimensions, see page 31.

# Accessories



## Dust Caps and Plugs

Dust caps and plugs will protect disconnected couplings from dirt or physical damage.

PART NO.	DESCRIPTION	MATERIALS	COUPLING USED WITH
CQG06 DC01	Dust Cap	HDPE	CQG06
CQHV06 DC01	Dust Cap	HDPE	CQH06 & CQV06
CQN06 DC01	Dust Cap	HDPE	CQN06
CQN08 DC01	Dust Cap	HDPE	CQN08
CQG06 DP01	Dust Plug	HDPE	CQG06
CQG06 DP01 Keyed	Dust Plug	HDPE	Keyed version of CQG06
CQHV06 DP01	Dust Plug	HDPE	CQH06 & CQV06
CQN06 DP01	Dust Plug	HDPE	CQN06
CQN06 DP01 Keyed	Dust Plug	HDPE	Keyed version of CQN06
CQN08 DP01	Dust Plug	HDPE	CQN08
CQN08 DP01 Keyed	Dust Plug	HDPE	Keyed version of CQN08
HFC 312L (with leash)	Dust Plug/Cap	Vinyl	HFC12/CQH06/CQV06

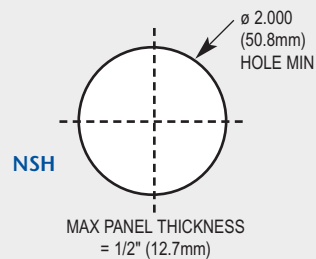
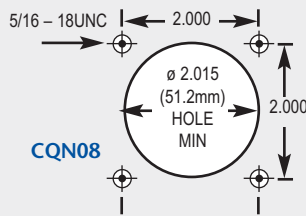
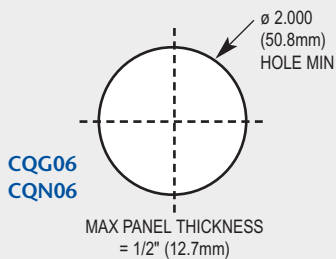
**NOTE:** Dust caps are not pressure tight.


## Panel Mount Adaptors

Panel mount adaptors work with coupling series that do not offer integrally-molded panel mount versions. The CQN06 and NSH adaptors are unique in that they can be “snapped” on to either the coupling body or insert by engaging the internal “fingers” of the adaptor into the grooves located on both the body and insert, resulting in exceptional flexibility for system configuration.

PART NO.	DESCRIPTION	MATERIALS	COUPLING USED WITH
**CQN06 PMKIT01	Panel Mount Adaptor	HDPE with Viton Seals	CQN06 & CQG06
CQN08 PMKIT01	Panel Mount Adaptor	PTFE with Viton Seal, ECTFE Screws	CQN08
NSH PMKIT12	Panel Mount Adaptor	Gray HDPE with EPDM Seal	NSH

**\*\*NOTE:** The CQN06 PMKIT comes with 2 spacers. Use one or both, depending on panel thickness (range is from 1/8"/3.2mm to 1/2"/12.7mm) to assure maximum holding force of panel mount adaptor on coupling.



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## Accessories

### Color-Coding Options for the ChemQuik® CQH06 and CQV06 Series

CQH06 and CQV06 only available with color-coding; physical keys not available. Color-coded couplings are modified standard parts and are built to order. Consult factory for lead time.



CQH06 with color options.

**How to order:** Part numbering for color-coded CQH06 or CQV06 product: CQVD06 10 0106 XXX YY (YY color code). If part is to include modified options, use the part number suffix "XXX" from modified product options section of the ChemQuik Price List before the color coding suffix "YY" as indicated to the right. Both thumb latch and flare nut are colored.

PART NO.	"YY" COLOR CODE	COLOR
CQVD06 10 0106 XXX YY	01	RED
(EXAMPLE)	02	YELLOW
	03	GREEN
	04	BROWN
	05	BLUE
	99	BLACK



CQN08 with panel mount adaptor and color-coding.

### Physical Keying/Color-Coding Options for the ChemQuik® CQG06, CQN06 and CQN08 Series

CQG06 and CQN couplings available with non-interchangeable physical/mechanical keys and color-coding. Keyed couplings are modified standard parts and are built to order. Consult factory for lead time.

**How to order:** Part numbering for keyed CQN or CQG06 product: CQN06 10 0106 XXX YY (YY color code). If part is to include modified options, use the part number suffix "XXX" from modified product options section of the ChemQuik Price List before the color coding suffix "YY" as indicated to the right.

**NOTE:** CQG06 is available in 01Red and 05Blue only.

PART NO.	"YY" KEY CODE	COLOR
CQN06 10 0106 XXX YY	01	RED
(EXAMPLE)	02	YELLOW
	03	GREEN
	04	BROWN
	05	BLUE
	99	BLACK
	06-98	WHITE

### ChemQuik® PVDF Color-Coded Flare Nuts

ChemQuik color-coded flare nuts are sold individually for use with any ChemQuik coupling or flare fitting commonly used with Teflon® PFA or FEP tubing. An ideal way to code any critical chemical line. Colored flare nuts are stock items.



Color-coded flare nuts.

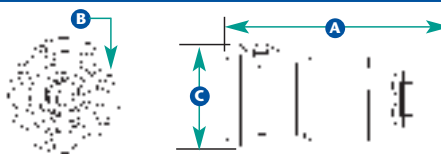
**How to order:** Part numbering for color-coded nuts: CQH FNUT 06 YYY (3 character color code, e.g., "GRN" for green).

PART NO.	DESCRIPTION	"YYY" COLOR CODE
CQ FNUT 04 YYY	1/4" OD tube size flare nut	NAT, RED, GRN, BLU, EL, BRN, BLK
CQ FNUT 06 YYY	3/8" OD tube size flare nut	NAT, RED, GRN, BLU, EL, BRN, BLK
CQ FNUT 08 YYY	1/2" OD tube size flare nut	NAT, RED, GRN, BLU, YEL, BRN, BLK
CQ FNUT 12 YYY	3/4" OD tube size flare nut	NAT, RED, GRN, BLU, YEL, BRN, BLK

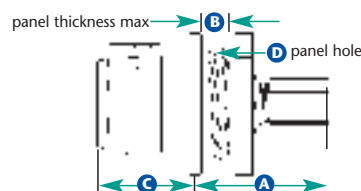
# Part Dimensions

Dimensions are approximate. Drawings show only one termination, however, part numbers and dimensions are listed accurately for all terminations. For exact data please visit our web site and obtain downloadable drawings.

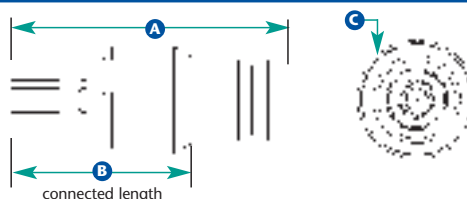
	PRODUCT	A	B	C
<b>CQG06</b> In-Line Bodies	CQGD06 10 0106	4.32	Ø1.90	1.96
	CQGD06 10 0108	4.32	Ø1.90	1.96
	CQGD06 10 0112	4.49	Ø1.90	1.96
	CQGD06 10 0208	3.81	Ø1.90	1.96



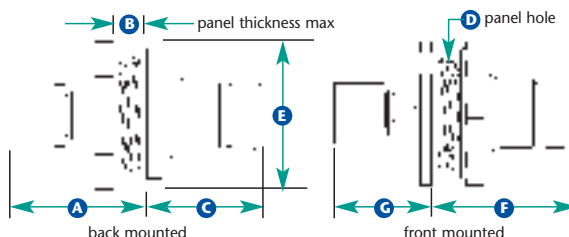
	PRODUCT	A	B	C	D
<b>CQG06</b> In-Line Bodies with Panel Mount Adaptor Installed	CQGD06 10 0106	2.47	0.50	1.85	Ø2.00
	CQGD06 10 0108	2.42	0.50	1.85	Ø2.00
	CQGD06 10 0112	2.64	0.50	1.85	Ø2.00
	CQGD06 10 0208	1.96	0.50	1.85	Ø2.00



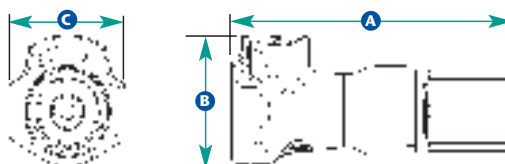
	PRODUCT	A	B	C
<b>CQG06</b> In-Line Inserts	CQGD06 20 0106	4.46	3.14	Ø1.62
	CQGD06 20 0108	4.46	3.14	Ø1.62
	CQGD06 20 0112	4.64	3.32	Ø1.62
	CQGD06 20 0208	3.96	2.64	Ø1.62
	CQGD06 20 0212	4.16	2.84	Ø1.62



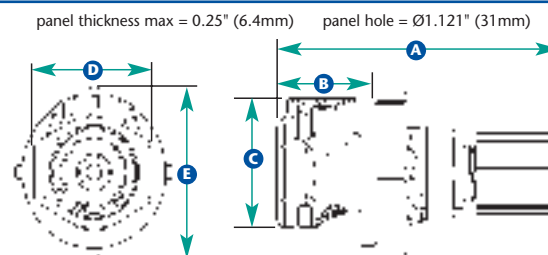
	PRODUCT	A	B	C	D	E	F	G
<b>CQG06</b> In-Line Inserts with Panel Mount Adaptor Installed	CQGD06 20 0106	2.39	0.50	2.07	Ø2.00	Ø2.50	2.58	1.88
	CQGD06 20 0108	2.39	0.50	2.07	Ø2.00	Ø2.50	2.58	1.88
	CQGD06 20 0112	2.57	0.50	2.07	Ø2.00	Ø2.50	2.58	2.06
	CQGD06 20 0208	1.89	0.50	2.07	Ø2.00	Ø2.50	2.58	1.38
	CQGD06 20 0212	2.09	0.50	2.07	Ø2.00	Ø2.50	2.58	1.58



	PRODUCT	A	B	C
<b>CQH/CQV</b> In-Line Bodies	06 10 0104	3.32	1.44	1.36
	06 10 0106	3.38	1.44	1.36
	06 10 0108	3.38	1.44	1.36
	06 10 0206	2.70	1.44	1.36

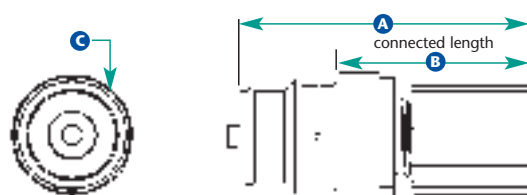


	PRODUCT	A	B	C	D	E
<b>CQH/CQV</b> Panel Mount Bodies	06 11 0104	3.32	1.15	1.44	1.36	1.82
	06 11 0106	3.38	1.15	1.44	1.36	1.82
	06 11 0108	3.38	1.15	1.44	1.36	1.82
	06 11 0206	2.70	1.15	1.44	1.36	1.82

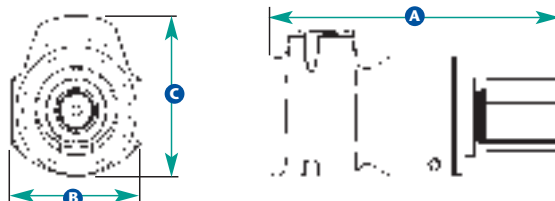


## Part Dimensions (continued)

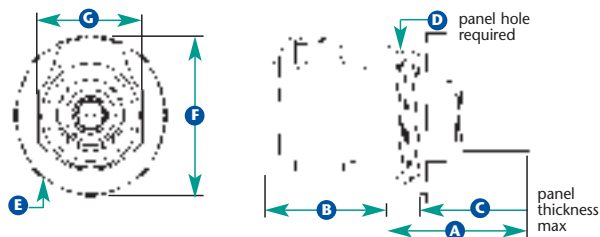
	PRODUCT	A	B	C
<b>CQH/CQV</b> <b>In-Line Inserts</b>	06 20 0104	2.39	1.47	Ø1.00
	06 20 0106	2.45	1.53	Ø1.00
	06 20 0108	2.44	1.52	Ø1.00
	06 20 0206	1.77	.85	Ø1.00



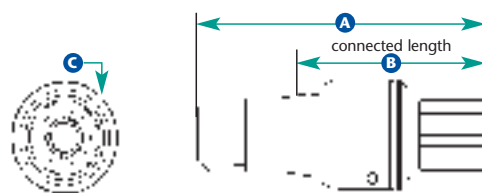
	PRODUCT	A	B	C
<b>CQN06</b> <b>In-Line Bodies</b>	CQND06 10 0104	3.99	1.72	1.98
	CQND06 10 0106	4.09	1.72	1.98
	CQND06 10 0108	4.19	1.72	1.98
	CQND06 10 0112	4.35	1.72	1.98
	CQND06 10 0308	3.71	1.72	1.98



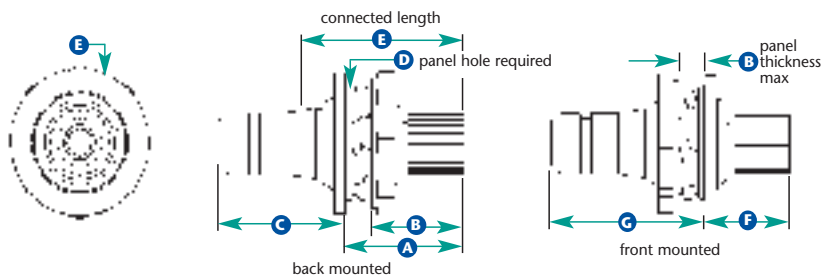
	PRODUCT	A	B	C	D	E	F	G
<b>CQN06</b> <b>In-Line Bodies</b> <i>with Panel</i> <i>Mount Adaptor</i> <i>Installed</i>	CQND06 10 0104	2.02	1.97	.50	Ø2.00	Ø2.44	Ø2.50	1.72
	CQND06 10 0106	2.12	1.97	.50	Ø2.00	Ø2.44	Ø2.50	1.72
	CQND06 10 0108	2.22	1.97	.50	Ø2.00	Ø2.44	Ø2.50	1.72
	CQND06 10 0112	2.38	1.97	.50	Ø2.00	Ø2.44	Ø2.50	1.72
	CQND06 10 0308	1.74	1.97	.50	Ø2.00	Ø2.44	Ø2.50	1.72



	PRODUCT	A	B	C
<b>CQN06</b> <b>In-Line Inserts</b>	CQND06 20 0104	4.39	3.14	Ø1.63
	CQND06 20 0106	4.49	3.24	Ø1.63
	CQND06 20 0108	4.58	3.33	Ø1.63
	CQND06 20 0112	4.74	3.49	Ø1.63
	CQND06 20 0308	4.11	2.86	Ø1.63

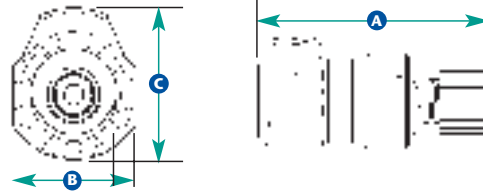


	PRODUCT	A	B	C	D	E	F	G	H
<b>CQN06</b> <b>In-Line Inserts</b> <i>with Panel</i> <i>Mount Adaptor</i> <i>Installed</i>	CQND06 20 0104	2.08	.50	2.37	Ø2.00	Ø2.44	1.44	2.95	3.14
	CQND06 20 0106	2.12	.50	2.37	Ø2.00	Ø2.44	1.54	2.95	3.24
	CQND06 20 0108	2.21	.50	2.37	Ø2.00	Ø2.44	1.63	2.95	3.35
	CQND06 20 0112	2.37	.50	2.37	Ø2.00	Ø2.44	1.79	2.95	3.49
	CQND06 20 0308	1.74	.50	2.37	Ø2.00	Ø2.44	1.16	2.95	2.86

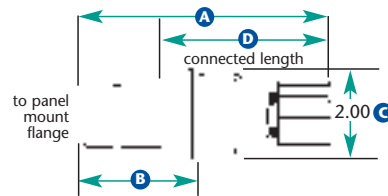




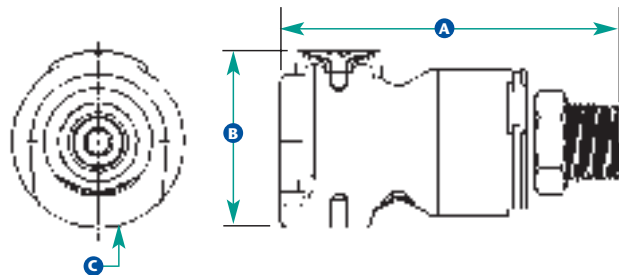
	PRODUCT	A	B	C
<b>CQN08</b> In-Line Bodies	CQND08 10 0112	5.47	2.06	2.41
	CQND08 10 0116	5.68	2.06	2.41
	CQND08 10 0212	4.93	2.06	2.41
	CQND08 10 0312	4.81	2.06	2.41



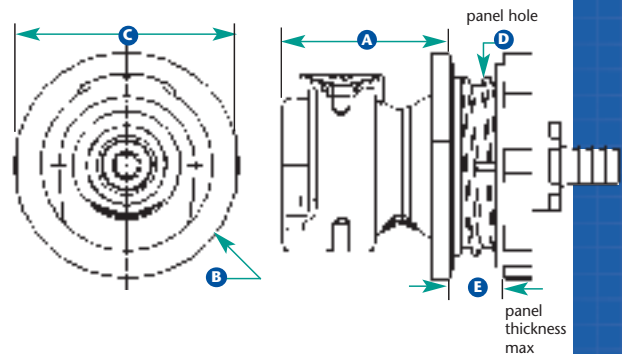
	PRODUCT	A	B	C	D
<b>CQN08</b> In-Line Inserts	CQND08 20 0112	5.89	2.87	Ø2.00	4.13
	CQND08 20 0116	6.09	2.87	Ø2.00	4.33
	CQND08 20 0212	5.33	2.87	Ø2.00	3.57
	CQND08 20 0312	5.33	2.87	Ø2.00	3.57



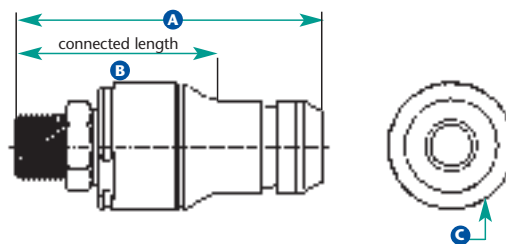
	PRODUCT	A	B	C
<b>NSH</b> In-Line Bodies	NSHD10006BSPT	3.67	1.96	Ø1.90
	NSHD10008	3.81	1.96	Ø1.90
	NSHD13006	3.97	1.96	Ø1.90
	NSHD13008	4.27	1.96	Ø1.90
	NSHD17006	3.73	1.96	Ø1.90
	NSHD17008	3.73	1.96	Ø1.90
	NSHD17012	3.88	1.96	Ø1.90
NSHD19006	3.70	1.96	Ø1.90	



	PRODUCT	A	B	C	D	E
<b>NSH</b> In-Line Bodies with Panel Mount Adaptor Installed	NSHD10006BSPT	1.85	Ø2.50	2.44	Ø1.98	.50
	NSHD10008	1.85	Ø2.50	2.44	Ø1.98	.50
	NSHD13006	1.85	Ø2.50	2.44	Ø1.98	.50
	NSHD13008	1.85	Ø2.50	2.44	Ø1.98	.50
	NSHD17006	1.85	Ø2.50	2.44	Ø1.98	.50
	NSHD17008	1.85	Ø2.50	2.44	Ø1.98	.50
	NSHD17012	1.85	Ø2.50	2.44	Ø1.98	.50
NSHD19006	1.85	Ø2.50	2.44	Ø1.98	.50	



	PRODUCT	A	B	C
<b>NSH</b> In-Line Inserts	NSHD20006	4.14	2.81	Ø1.63
	NSHD20008	4.43	3.10	Ø1.63
	NSHD22006	3.90	2.57	Ø1.63
	NSHD22008	3.90	2.57	Ø1.63
	NSHD22012	4.05	2.72	Ø1.63
	NSHD24006BSPT	3.84	3.84	Ø1.63
	NSHD24008	3.98	2.65	Ø1.63
	NSHD24012	4.18	2.85	Ø1.63
	NSHD26006	3.90	2.57	Ø1.63



## Part Dimensions (continued)

	PRODUCT	A	B	C	D	E
<b>NSH Inserts</b> <i>with Panel Mount Adaptor Back Mounted</i>	NSHD20006	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD20008	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD22006	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD22008	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD22012	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD24006BSPT	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD24008	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD24012	2.02	Ø2.50	2.44	Ø1.98	.50
	NSHD26006	2.02	Ø2.50	2.44	Ø1.98	.50

	PRODUCT	A	B	C	D	E
<b>NSH Inserts</b> <i>with Panel Mount Adaptor Front Mounted</i>	NSHD20006	2.60	Ø2.50	2.44	Ø1.98	.50
	NSHD20008	2.60	Ø2.50	2.44	Ø1.98	.50
	NSHD22006	2.60	Ø2.50	2.44	Ø1.98	.50
	NSHD22008	2.60	Ø2.50	2.44	Ø1.98	.50
	NSHD22012	2.60	Ø2.50	2.44	Ø1.98	.50
	NSHD24006BSPT	2.60	Ø2.50	2.44	Ø1.98	.50
	NSHD24008	2.60	Ø2.50	2.44	Ø1.98	.50
	NSHD26006	2.60	Ø2.50	2.44	Ø1.98	.50

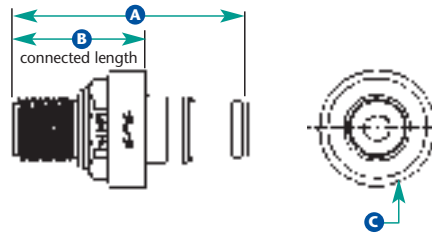
	PRODUCT	A	B	C
<b>NS6 In-Line Bodies</b>	NS6D10008	3.00	1.39	Ø1.31
	NS6D10008BSPT	3.00	1.39	Ø1.31
	NS6D13008	3.59	1.39	Ø1.31
	NS6D17006	3.16	1.39	Ø1.31
	NS6D17008	3.16	1.39	Ø1.31

	PRODUCT	A	B	C
<b>NS6 In-Line Inserts</b>	NS6D20008	3.02	1.78	Ø1.31
	NS6D22006	2.59	1.35	Ø1.31
	NS6D22008	2.59	1.35	Ø1.31
	NS6D24008	2.44	1.20	Ø1.31
	NS6D24008BSPT	2.44	1.20	Ø1.31

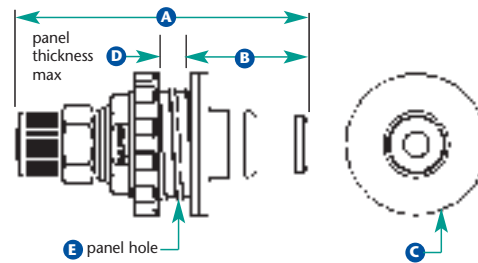
	PRODUCT	A	B	C	D	E
<b>NS6 Panel Mount Inserts</b>	NS6D40008	3.28	1.40	Ø1.50	.33	Ø1.25
	NS6D42006	2.85	1.40	Ø1.50	.33	Ø1.25
	NS6D42008	2.85	1.40	Ø1.50	.33	Ø1.25

	PRODUCT	A	B	C
<b>NS4 In-Line Bodies</b>	NS4D10004	2.31	1.05	Ø.96
	NS4D10004BSPT	2.29	1.05	Ø.96
	NS4D13006	2.45	1.05	Ø.96
	NS4D17002	2.09	1.05	Ø.96
	NS4D17004	2.34	1.05	Ø.96

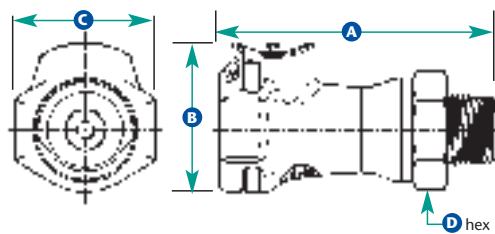
	PRODUCT	A	B	C
<b>NS4 In-Line Inserts</b>	NS4D20006	2.09	1.24	Ø.96
	NS4D22002	1.73	0.88	Ø.96
	NS4D22004	1.98	1.13	Ø.96
	NS4D22006	1.98	1.13	Ø.96
	NS4D24004	1.95	1.10	Ø.96
	NS4D24004BSPT	1.93	1.08	Ø.96



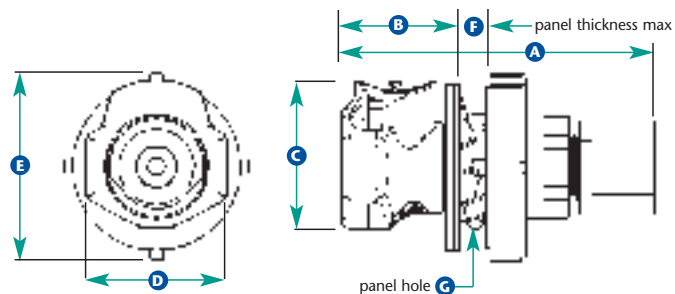
	PRODUCT	A	B	C	D	E
<b>NS4 Panel Mount Inserts</b>	NS4D40006	2.43	1.00	Ø1.17	.33	Ø15/16
	NS4D42002	2.07	1.00	Ø1.17	.33	Ø15/16
	NS4D42004	2.32	1.00	Ø1.17	.33	Ø15/16
	NS4D42006	2.32	1.00	Ø1.17	.33	Ø15/16



	PRODUCT	A	B	C	D
<b>HFC In-Line Bodies</b>	HFC10612/HFCD10612	2.70	1.44	1.36	1.00
	HFC10612BSPT/HFCD10612BSPT	2.74	1.44	1.36	1.00
	HFC10812/HFCD10812	2.88	1.44	1.36	1.00
	HFC101212/HFCD101212	3.08	1.44	1.36	1.05
	HFC13612/HFCD13612	3.04	1.44	1.36	
	HFC13812/HFCD13812	3.33	1.44	1.36	
	HFC17612/HFCD17612	2.79	1.44	1.36	
	HFC17812/HFCD17812	2.79	1.44	1.36	
	HFC171012/HFCD171012	2.94	1.44	1.36	
HFC171212/HFCD171212	2.94	1.44	1.36		

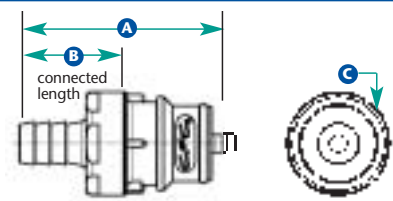


	PRODUCT	A	B	C	D	E	F	G
<b>HFC Panel Mount Bodies</b>	HFC12612/HFCD12612	3.05	1.15	1.44	1.36	1.82	.25	Ø1.21
	HFC12812/HFCD12812	3.36	1.15	1.44	1.36	1.82	.25	Ø1.21
	HFC16612/HFCD16612	2.82	1.15	1.44	1.36	1.82	.25	Ø1.21
	HFC16812/HFCD16812	2.82	1.15	1.44	1.36	1.82	.25	Ø1.21
	HFC161012/HFCD161012	2.97	1.15	1.44	1.36	1.82	.25	Ø1.21
	HFC161212/HFCD161212	2.97	1.15	1.44	1.36	1.82	.25	Ø1.21

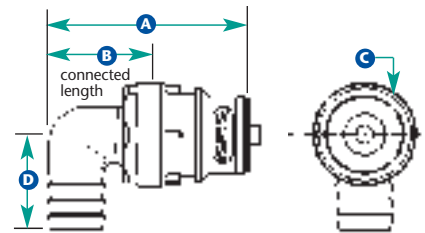


## Part Dimensions (continued)


PRODUCT		A	B	C
<b>HFC In-Line Inserts</b>	HFC20612/HFCD20612	2.10	1.18	Ø1.00
	HFC20812/HFCD20812	2.40	1.48	Ø1.00
	HFC22612/HFCD22612	1.86	.94	Ø1.00
	HFC22812/HFCD22812	1.86	.94	Ø1.00
	HFC221012/HFCD221012	2.01	1.09	Ø1.00
	HFC221212/HFCD221212	2.01	1.09	Ø1.00
	HFC24612/HFCD24612	1.77	.85	Ø1.00
	HFC24612BSPT/HFCD24612BSPT	1.81	.89	Ø1.00
	HFC24812/HFCD24812	1.95	1.03	Ø1.00
HFC241212/HFCD241212	2.15	1.23	Ø1.05	



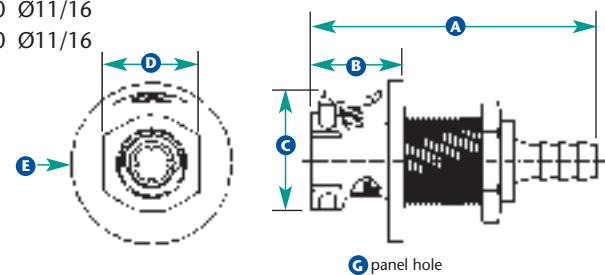
PRODUCT		A	B	C	D
<b>HFC Elbow Inserts</b>	HFC23612/HFCD23612	1.91	.99	Ø1.00	.93
	HFC23812/HFCD23812	1.95	1.03	Ø1.00	.93
	HFC231212/HFCD231212	1.93	1.01	Ø1.00	1.25




PRODUCT		A	B	C	D
<b>EFC In-Line Bodies</b>	EFCD10412	2.29	.93	.75	.63
	EFCD10612	2.29	.93	.75	.63
	EFCD17412	2.23	.93	.75	
	EFCD17612	2.24	.93	.75	



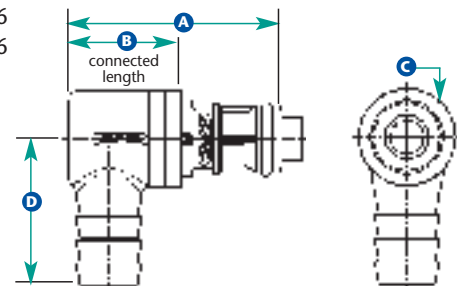
PRODUCT		A	B	C	D	E	F	G
<b>EFC Panel Mount Bodies</b>	EFCD16412	2.23	.72	.93	.75	Ø1.25	.50	Ø11/16
	EFCD16612	2.24	.72	.93	.75	Ø1.25	.50	Ø11/16



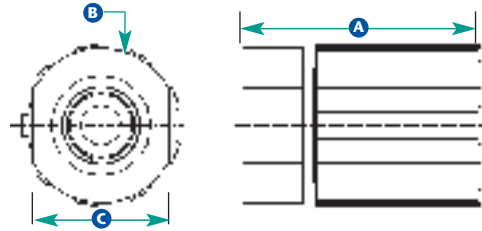
PRODUCT		A	B	C
<b>EFC In-Line Inserts</b>	EFC22412/EFCD22412	1.97	1.32	.63
	EFC22612/EFCD22612	1.79	1.14	.63
	EFCD24412	1.64	.99	.62
	EFCD24612	1.64	.99	.69



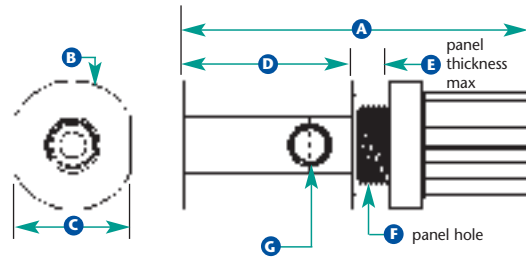
PRODUCT		A	B	C	D
<b>EFC Elbow Inserts</b>	EFC23412/EFCD23412	1.32	.67	Ø.63	.96
	EFC23612/EFCD23612	1.38	.73	Ø.63	.96



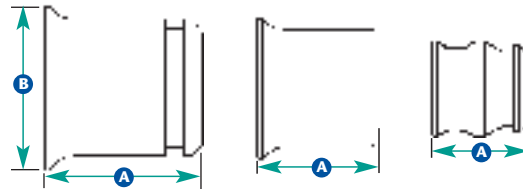
	PRODUCT	A	B	C
<b>Dual Containment Nuts</b>	CQDCNUT0408	1.54	Ø1.04	.88
	CQDCNUT0612	1.72	Ø1.43	1.13
	CQDCNUT0812	1.72	Ø1.43	1.13
	CQDCNUT1216	2.12	Ø1.82	1.63



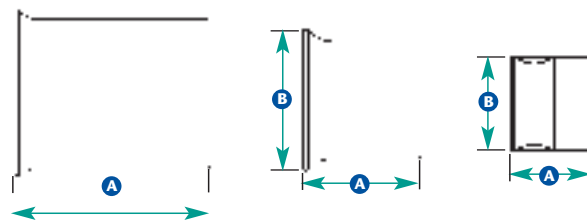
	PRODUCT	A	B	C	D	E	F	G
<b>Dual Containment Panel Mount Fittings</b>	CQPMDCNUT0408	3.40	Ø1.25	1.13	1.65	.35	Ø3/4	1/8 NPT
	CQPMDCNUT0612	3.91	Ø1.50	1.38	1.74	.50	Ø1.0	1/8 NPT
	CQPMDCNUT0812	3.87	Ø1.50	1.38	1.70	.50	Ø1.0	1/8 NPT
	CQPMDCNUT1216	4.16	Ø2.00	1.88	1.80	.50	Ø1-7/16	1/8 NPT



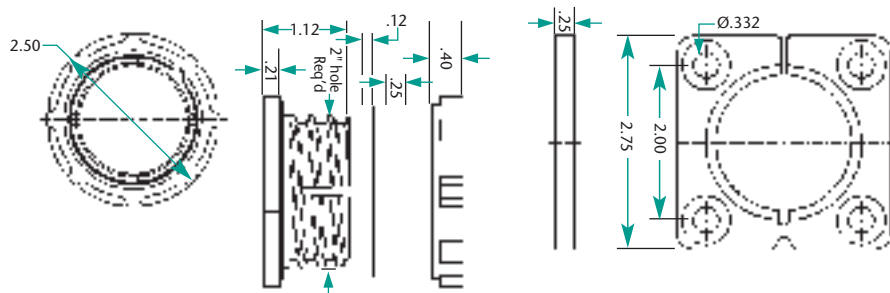
	PRODUCT	A	B
<b>Dust Plugs</b>	CQH06DP/CQV06DP	1.03	Ø1.00
	CQG06DP	1.46	Ø1.50
	CQN06DP	1.30	Ø1.50
	CQN08DP	1.70	Ø1.75



	PRODUCT	A	B
<b>Dust Caps</b>	CQH06DC/CQV06DC	.88	Ø1.00
	CQG06DC	1.25	Ø1.50
	CQN06DC	1.25	Ø1.50
	CQN08DC	2.10	Ø1.75



	PRODUCT
<b>Panel Mount Kits</b>	CQN06PMKIT 01
	CQN08PMKIT 01
	NSHPMKIT 12



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# Chemical Coupling Material Descriptions

## POLYMERS

### Polypropylene

Polypropylene is an excellent general purpose, low cost resin that is highly resistant to chemical attack from solvents and chemicals in very harsh environments. Contact with some chemicals, such as liquid hydrocarbons, chlorinated chemicals and oxidizing acids, can cause surface crazing and material swelling. In general, polypropylene is not susceptible to environmental stress cracking, and it can be exposed under load in the toughest environments. Resistance to weathering may be limited without the use of ultraviolet light absorbers or stabilizers (gray colored CPC couplings will be superior to uncolored versions). It may be subjected to degradation when exposed to certain conditions of ultraviolet radiation. Due to its higher crystallinity, polypropylene has excellent moisture barrier properties and good optical properties. Higher crystallinity improves stiffness, but reduces impact strength and it will become brittle when exposed to temperatures below freezing.

### PEEK

Polyetheretherketon (PEEK), a unique semi-crystalline, is a high temperature resistant, engineered thermoplastic with excellent chemical and fatigue resistance, plus thermal stability. It exhibits superior mechanical and electrical properties. With a maximum continuous working temperature of 480° F (249° C) and superior chemical resistance. PEEK works effectively as a metal replacement in harsh environments. It is inert to all common solvents and resists a wide range of organic and inorganic liquids. It has a superior dielectric with low loss, even at high temperatures and frequencies. PEEK exhibits good radiation resistance, absorbing more than 1000 M rads of irradiation with no significant reduction in mechanical properties, and exhibits exceptional resistance to high doses of gamma radiation. Its outstanding wear, abrasion resistance and low coefficient of friction result in very low particle generation. It exhibits low smoke and toxic gas emissions (among the lowest of any thermoplastic material). PEEK, is an excellent material for a wide spectrum of applications where thermal, chemical and combustion properties and high purity are critical to performance.

### PPS

Polyphenylene sulfide (PPS) polymer offers the broadest resistance to chemicals of any advanced engineering plastic. It has no known solvents below 392° F (200° C) and is inert to steam, strong bases, fuels, and acids. Minimal moisture absorption and a very low coefficient of linear thermal expansion make it ideal for precise-tolerance machined components. In addition, PPS products exhibit excellent electrical characteristics and are inherently flame retardant. PPS is an excellent alternative to PEEK at lower temperatures and in certain chemicals, e.g., sulfuric acid.

## FLUOROPOLYMERS

### PVDF

Polyvinylidene fluoride (PVDF) partially fluorinated polymer is a tough engineering thermoplastic with a balance of physical and chemical properties that qualify it for high performance in a wide range of applications. It is mechanically strong and tough, has good ductility, exhibits high dielectric strength, and has a broad, useful temperature range. As a fluoropolymer, PVDF is highly resistant to most environmental conditions, including corrosive chemicals, ultraviolet and gamma radiation, and is ideally suited to handling wet or dry chlorine, bromine and other halogens. Grades used by CPC are among the most pure of all commercial resins. They resist strong acids, solvents and reducing agents and are used in many industries, including microelectronic processing, chemical processing, pharmaceutical manufacturing, and laboratory uses. Their inherent chemical resistance, high purity and natural fire retardancy make them ideal for contact with high purity water, acids, chlorine, halogenated solvents, and petrochemical mixtures.

### PTFE

Polytetrafluoroethylene (PTFE) is a crystalline molecular structure with a melting point of 621° F (327° C). It has exceptional resistance to chemicals, a density of 2.15g, a dielectric constant of 2.1, and a loss factor that is low and stable across wide temperature and frequency range. PTFE has useful mechanical properties from cryogenic temperatures to 500° F (260° C). Its coefficient of friction is lower than almost any other material. It also has a high oxygen level. PTFE is a fluorocarbon resin that is isotatically compression molded into various shapes. It is chemically resistant to all chemicals and solvents with the exception of some molten alkali metals, molten sodium hydroxide, elemental fluorine, and certain fluorinating agents. This unique chemical resistance stems from (1) the strong interatomic bonds between fluorine and carbon atoms, (2) shielding of the polymer's carbon atom backbone by fluorine atoms, and (3) high molecular weight. PTFE offers chemical resistance and stability at high temperature.

### Enhanced/Modified PTFE

In many ChemQuik® products, CPC utilizes Modified PTFE for critical components. Besides retaining all the proven advantages of conventional PTFE, Enhanced or Modified PTFE offers some significantly improved properties:

- substantially lower deformation under load
- lower permeation due to denser polymer structure and fewer voids
- better weldability
- improved stress recovery, particularly at elevated temperatures
- smoother surface finishes
- higher transparency
- higher dielectric breakdown voltage

### PFA

PFA is a perfluoroalkoxy copolymer resin. It combines the processing ease of conventional thermoplastic resins with the excellent properties of polytetrafluoroethylene (PTFE). Products manufactured from PFA can offer continuous service temperatures up to 500° F (260° C). PFA provides superior creep resistance at high temperatures, excellent low-temperature toughness and exceptional flame resistance.

### ECTFE/PCTFE

Ethylene-ChloroTriFluoro-Ethylene or ECTFE, commonly known as Halar®, and Poly-ChloroTriFluoro-Ethylene or PCTFE, commonly known as Kel-F®, both have excellent corrosion/chemical resistance (similar to PTFE or PFA), have superior toughness and physical properties, have excellent temperature limits, have low permeability and possess excellent electrical and fire retardant properties. Both fluoropolymers are high purity plastics suitable for use in ultra-pure applications.

## ELASTOMERS

### EPDM

Ethylene-propylene-diene rubber (EPDM, also sometimes referred to as EPR) is produced using a third monomer. CPC uses the higher quality peroxide-cured version. It provides exceptional resistance to temperatures through 300° F on a wide range of chemicals, and maintains good resistance to compression set and ozone. It is an ideal, reasonably-priced material for parts requiring a wide resistance to chemicals utilized and produced in the chlorine, caustic and bleach industries.

### Viton® FKM

Viton® FKM is the most widely specified fluoroelastomer seal material, well known for its outstanding resistance to heat, oxidation, weathering, and ozone. It has outstanding resistance to a broad variety of fluids, including: aliphatic and aromatic hydrocarbons, halogenated fluids and strong acids. It has outstanding resistance to compression set and provides sealing performance and longevity unmatched by any non-fluorinated elastomer. These characteristics make Viton® fluoroelastomer the perfect choice for demanding sealing applications.

### Chemraz® FFKM

Perfluoroelastomers provide the broadest range of chemical resistance of any elastomeric material, combining the resilience and sealing force of an elastomer with the chemical resistance approaching that of PTFE. Chemraz® brand seals last longer and seal completely in harsh environments and a wide range of temperatures (-20° F to 615° F, -29° C to 324° C). These critical process seals minimize microcontamination in wet and dry wafer fabrication and pharmaceutical processes. They can be utilized to provide minimal extractable ion content, significant plasma resistance, low particle generation, and high-dimensional stability, making these seals ideal for ultra high purity applications. Chemraz is the cost-effective solution for the most difficult sealing problems in many industries, particularly fluid handling

### Simriz® FFKM

Simriz perfluoroelastomer seals are a cost-effective alternative to Kalrez® and Chemraz® brand perfluoroelastomer seals. They provide essentially equivalent performance at a substantial cost savings. CPC offers Simriz seals optional on many coupling series.

### PFA & FEP Encapsulated Seals

Encapsulated seals are a hybrid seal combining an elastomeric core material with a fluoropolymer jacket typically made from PFA, FEP or some other compound. The idea is to combine the resiliency of the elastomer with the superior chemical resistance of the fluoropolymer to achieve a seal that is lower cost than a pure fluoroelastomer FFKM seal. Applications are limited, but where appropriate, CPC uses these types of seals to achieve high chemical performance at a lower cost.



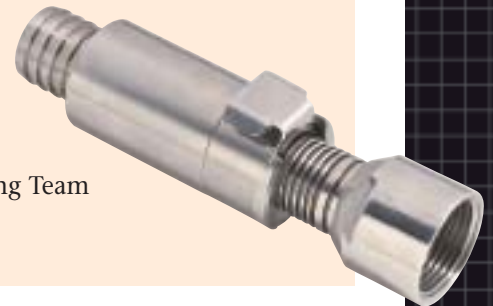
# Still Looking for That Perfect Solution?

Even with thousands of standard quick disconnect couplings available, we know you still may not have found the precise part you need. That's why, for more than 25 years, CPC's Application Engineering Team has worked with customers around the world to design custom coupling solutions to solve their specific problems and improve their products' performance. CPC has solid modeling capabilities, prototype equipment, an expansive test lab, and thousands of solutions. Combine that with our years of experience and a "can do" attitude, and there is no need for you to design your solution alone.


## Consider a Custom-Designed Connector When:

- A quick disconnect will add value to your product, making it easier to use and more reliable
- Your requirements cannot be met by an existing standard CPC product
- Unique requirements, budgets or timing warrant your designer's collaboration with CPC's Application Engineering Team

Remember, standard catalog items generally have the advantage of quick availability and many times, lower cost, with no initial investment of time or money. However, depending on your volumes and technical requirements, it may make sense to work with our Application Engineering Team to design a unique solution tailored for your needs.



*Custom designed products may be exclusively produced for a specific customer. These proprietary products might not be available for sale. Contact your local distributor for special application couplings.*

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## On-line Catalogs and Literature



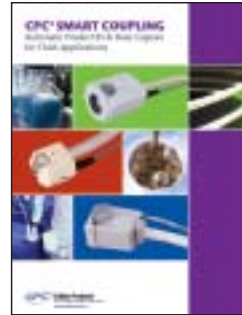
Industrial



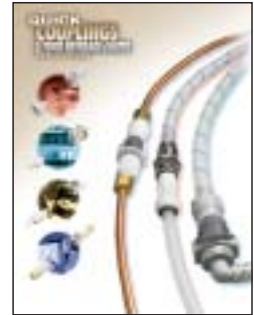
Bioprocessing



Medical Device



Smart Technology



Food, Beverage & Water



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**WARNING:** Pressure, temperature, chemical type and concentration, and operating environment can affect the performance of couplings. It is the customer's responsibility to test the suitability of CPC products in their own application conditions.

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