

# DRUMQUIK PRO / DRUMQUIK PUR



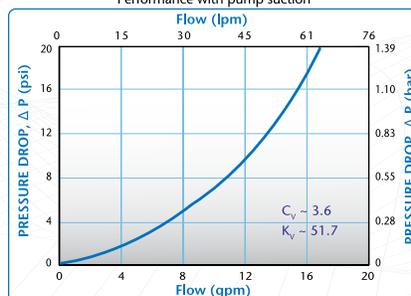
**DrumQuik® PRO and DrumQuik PUR** dispensing systems are used with common pumps to create a closed transfer system for both general and high purity chemicals. These easy-to-use products meet the strict safety requirements of chemical handling applications as well as the demands of harsh operating environments.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

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



This graph characterizes the flow of the DrumQuik PRO with the coupler vent port open to the atmosphere and a pump drawing liquid out.

**DrumQuik PRO & DrumQuik PUR Water Flow**  
Performance with pump suction



## *DrumQuik Dispensing Systems for Safer Chemical Management*

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

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

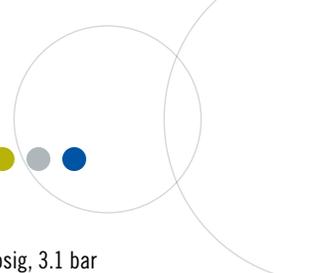
DrumQuik solutions are available for a variety of container types providing interchangeable, reusable connections for:

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

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

*The DrumQuik PRO dispensing system has been UN/DOT certified with many common drums and IBCs for use with hazardous chemicals per 49 CFR 173 and German BAM 11027.*

*Made from virgin materials compliant with FDA and ROHS standards.*



## Specifications ● ● ●

### PRESSURE:

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

### TEMPERATURE:

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

### MATERIALS:

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

**Shipping plug:**  
 Virgin polyethylene (HDPE)

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

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

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

**Bung seal:** Polyolefin, EPDM, FKM

**Shipping plug seal:** EPDM, FKM

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

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



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

### DrumQuik PRO

#### FEATURES

| FEATURES                                | BENEFITS  |
|---|---|
| Quick connect/disconnect                | Allows faster drum change-outs  |
| Automatic shutoff valve                 | Stops flow when disconnected  |
| Disposable drum insert                  | Reduces messy handling and chemical exposure  |
| Ported vent system for vapor management | Allows make-up air into drum or connection of blanket gas (N <sub>2</sub> , CO <sub>2</sub> ) |
| Multiple standard thread sizes          | Can be used with many common steel and plastic containers                                     |

### DrumQuik PUR

#### FEATURES

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

## Couplers • POLYPROPYLENE

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

## Couplers • PVDF

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

## Drum Inserts • POLYETHYLENE (HDPE)

| DRUMQUIK PRO & DRUMQUIK PUR | PART NUMBER       | DESCRIPTION  |
|-----------------------------|-------------------|--|
|                             | DQPRO20BCS70      | 70mm thread, EPDM seals (70x6 and 70x5 plastic drums)                            |
|                             | DQPRO20BSC70202   | 70mm thread, FKM seals (70x6 and 70x5 plastic drums)                             |
|                             | DQPRO202BUT       | 2" American buttress thread, EPDM seals (No. Am. Plastic drums)                  |
|                             | DQPRO202BUT202    | 2" American buttress thread, FKM seals (No. Am. Plastic drums)                   |
|                             | DQPRO2056X4       | BCS 56x4 thread, EPDM seals (European plastic drums)                             |
|                             | DQPRO2056X4202    | BCS 56x4 thread, FKM seals (European plastic drums)                              |
|                             | DQPRO20G2NPSST    | 2" NPS (ISO G2) thread, EPDM seals (steel drums and IBC caps)                    |
|                             | DQPRO20G2NPSST202 | 2" NPS (ISO G2) thread, FKM seals (steel drums and IBC caps)                     |
|                             | DQPRO20G2NPSPL    | 2" NPS (ISO G2) thread, EPDM flat bung seal (plastic drums and IBC caps)         |
|                             | DQPRO20G2NPSPL202 | 2" NPS (ISO G2) thread, FKM flat bung seal (plastic drums and IBC caps)          |
|                             | DQPUR202BUT       | 2" American buttress thread, Polyolefin (POE) bung seal, EPDM shipping plug seal |
|                             | DQPUR202BUT202    | 2" American buttress thread, Polyolefin (POE) bung seal, FKM shipping plug seal  |

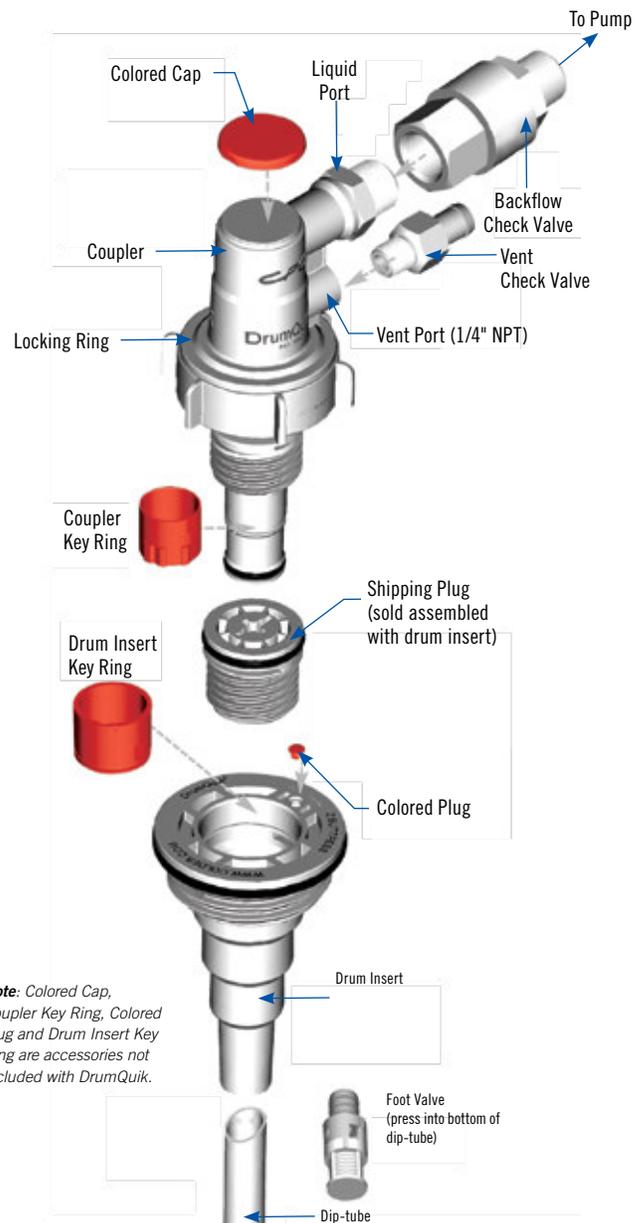
## Dip-Tubes • POLYETHYLENE (HDPE)

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

## Assembled Drum Inserts & Dip-Tubes

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

## DrumQuik® PRO & PUR Dispensing Connector System



### VAPOR MANAGEMENT OPTIONS:

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

# DRUMQUIK PRO / DRUMQUIK PUR ACCESSORIES

## Color Coding and Keying Options

### • COLORED KEY KITS FOR PHYSICAL CODING: POLYETHYLENE

| DQPRO PART NUMBER   | DQPUR PART NUMBER | DESCRIPTION                                       |
|---|-------------------|---|
| DQPROKEYCPGRY00   | DQPURKEYCPGRY00   | Key kit for coupler, gray                         |
| DQPROKEYCPRED01   | DQPURKEYCPRED01   | Key kit for coupler, red                          |
| DQPROKEYCPYEL02   | DQPURKEYCPYEL02   | Key kit for coupler, yellow                       |
| DQPROKEYCPGRN03   | DQPURKEYCPGRN03   | Key kit for coupler, green                        |
| DQPROKEYCPBRN04   | DQPURKEYCPBRN04   | Key kit for coupler, brown                        |
| DQPROKEYCPBLU05   | DQPURKEYCPBLU05   | Key kit for coupler, blue                         |
| DQPROKEYCPBLK99   | DQPURKEYCPBLK99   | Key kit for coupler, black                        |
| DQPROKEYCPCOMBO   | DQPURKEYCPCOMBO   | One of every coupler key ring and cap             |
| <i>Key kits for coupler include coupler key ring and cap.</i>                 |                   |   |
| DQPROKEYDIRED01   | DQPURKEYDIRED01   | Key kit for drum insert, red                      |
| DQPROKEYDIYEL02   | DQPURKEYDIYEL02   | Key kit for drum insert, yellow                   |
| DQPROKEYDIGRN03   | DQPURKEYDIGRN03   | key kit for drum insert, green                    |
| DQPROKEYDIBRN04   | DQPURKEYDIBRN04   | Key kit for drum insert, brown                    |
| DQPROKEYDIBLU05   | DQPURKEYDIBLU05   | Key kit for drum insert, blue                     |
| DQPROKEYDIBLK99   | DQPURKEYDIBLK99   | Key kit for drum insert, black                    |
| DQPROKEYDICOMBO   | DQPURKEYDICOMBO   | One of every drum insert key ring and button plug |
| <i>Key kits for drum insert include drum insert key ring and button plug.</i> |                   |   |

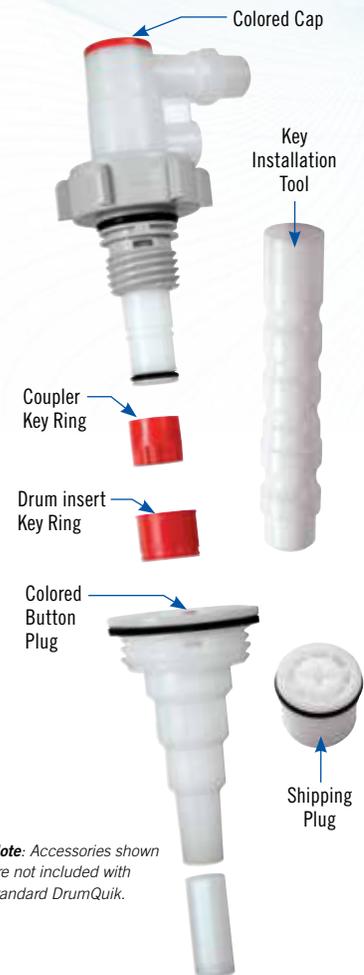
## Color Coded Parts

### • COLORED CAPS & BUTTON PLUGS FOR VISUAL CODING: POLYETHYLENE

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

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

## DrumQuik® PRO & PUR Key Kits



**Note:** Accessories shown are not included with standard DrumQuik.

## Color Coding



# DRUMQUIK PRO / DRUMQUIK PUR ACCESSORIES

## Tools



1 Fully press dip-tube into drum insert socket.



2 Place the drum insert assembly in drum.



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



4 Insert coupler into drum insert assembly.



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

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

## Sample Kits (Includes one coupler, one insert and one dip-tube)

| PART NUMBER       | DESCRIPTION   |
|-------------------|---|
| DQPRONASAMP       | 2" Buttress drum insert, 905mm dip-tube, 1/2 NPT coupler (EPDM O-rings, 316 SST spring in coupler)          |
| DQPRONASAMP207    | 2" Buttress drum insert, 905mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy® C spring in coupler)       |
| DQPROEUSAMP       | BSC 56x4 drum insert, 905mm dip-tube, 3/4 BSPP coupler (EPDM seals, 316 SST spring in coupler)              |
| DQPROEUSAMP207    | BSC 56x4 drum insert, 905mm dip-tube, 3/4 BSPP coupler (FKM seals & Hastelloy® C spring in coupler)         |
| DQPRONPSSTSAMP    | 2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (EPDM Bung O-rings, 316 SST spring in coupler) |
| DQPRONPSSTSAMP207 | 2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy® C spring in coupler)   |
| DQPRONPSLSAMP     | 2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (EPDM Flat Gasket, 316 SST Spring)             |
| DQPRONPSLSAMP207  | 2" NPS (ISO G2) drum insert, 905mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy® C spring in coupler)   |
| DQPURSAMP202      | Kit includes 1 Coupler (DQPUR 12 0112 (PEEK® & FKM) & 1 assembled Dip-tube (DQPUR 2BUT 0985 202)            |
| DQPURSAMP209      | Kit includes 1 Coupler (DQPUR 12 0112 209 (PPS & Simriz®) & 1 Dip-tube assy. (DQPUR 2BUT 0985 202)          |

## Shipping Plugs

| PART NUMBER      | DESCRIPTION   |
|------------------|---|
| DQPROPUMPAD      | Internal 3/4 NPT Thread pump adaptor shipping plug (HDPE, EPDM)             |
| DQPROPUMPAD202   | Internal 3/4 NPT Thread pump adaptor shipping plug (HDPE, FKM)              |
| DQPRPUMPAD202    | Extended shipping plug for venting internal pressure from drum (HDPE, EPDM) |
| DQPROSHPLUGEX    | Extended shipping plug for venting internal pressure from drum (HDPE, EPDM) |
| DQPROSHPLUGEX202 | Extended shipping plug for venting internal pressure from drum (HDPE, FKM)  |
| 2007900          | Shipping plug for drum insert (Does not include shipping plug o-ring)       |
| 2290100          | Shipping plug o-ring, EPDM  |
| 2307200          | Shipping plug o-ring, FKM   |
| DQPURSP          | Shipping Plug with EPDM seal  |
| DQPURSP202       | Shipping Plug with FKM seal   |

## Sample Kits (Includes one coupler, one insert and one dip-tube)

| PART NUMBER    | DESCRIPTION   |
|----------------|---|
| DQPURDISEALPOE | Drum insert POE bung seal                                       |
| DQPURDISEALFEP | Drum insert FEP encapsulated silicone bung seal                 |
| DQPURCPSEALFKM | Coupler seal kit (2 seals), FKM                                 |
| DQPURCPSEALSMZ | Coupler seal kit (2 seals), Simriz®                             |
| 2423400        | Coupler o-ring kit, EPDM (Includes 2 o-rings)                   |
| 2423500        | Coupler o-ring kit, FKM (Includes 2 o-rings)                    |
| 2166000        | Drum insert flat gasket, 2" buttress, FDA EPDM                  |
| 2166100        | Drum insert flat gasket, 2" buttress, FKM                       |
| 2165800        | Drum insert o-ring, 2" NPS (ISO G2) EPDM for steel drums        |
| 2165900        | Drum insert o-ring, 2" NPS (ISO G2) FKM for steel drums         |
| 2165800        | Drum insert o-ring, BCS 56x4, EPDM (same as ISO G2 for steel)   |
| 2165900        | Drum insert o-ring, BCS 56x4, FKM (same as ISO G2 for steel)    |
| 2525200        | Drum insert flat gasket, 2" NPS (ISO G2) EPDM for plastic drums |
| 2525300        | Drum insert flat gasket, 2" NPS (ISO G2) FKM for plastic drums  |
| 2594900        | Replacement Drum Insert Seal, 2" Buttress, FDA                  |
| DQPR070X6AD    | 70 X 6 Adaptor with EPDM O-Ring                                 |
| DQPR070X6AD202 | 70 X 6 Adaptor with FKM (Viton®) O-Rings                        |

# Accessories

| PART NUMBER            | DESCRIPTION  |
|------------------------|--|
| <b>TETHER/DUST CAP</b> |  |
| DQPROTETHER            | Tether/Dust Cap for use with DrumQuik PRO shipping plugs and couplers (PVC, Vinyl) |

### COUPLER VENT PORT OPTIONS

|             |  |
|-------------|--|
| 2879800     | Vent check valve, 1/2" ID x 1/4" male NPT (316 SST, Santoprene)          |
| 2879801     | Vent check valve, 1/2" ID x 1/4" male NPT (Hastelloy® C, FKM)            |
| DQPROFIL01  | Air filter, coupler vent port, 1/4" male NPT (polypropylene, 70 micron)  |
| APCD24004   | Vent coupling insert, 1/4" male NPT (Acetal, 316 SST, Buna-N)            |
| APCD17004SH | Vent coupling body with shroud, 1/4" hose barb (Acetal, 316 SST, Buna-N) |
| APCD17006SH | Vent coupling body with shroud, 3/8" hose barb (Acetal, 316 SST, Buna-N) |
| EFCDD24412  | Vent coupling insert, 1/4" male NPT (Polypropylene, 316 SST, EPDM)       |
| EFCDD17412  | Vent coupling body, 1/4" hose barb (Polypropylene, 316 SST, EPDM)        |
| EFCDD17612  | Vent coupling body, 3/8" hose barb (Polypropylene, 316 SST, EPDM)        |

NOTE: Parts listed above are suggested for use in the vent port, but any 1/4" NPT CPC coupling can be used for blanket gas applications (see page 144)

### BACKFLOW PREVENTION OPTIONS • POLYPROPYLENE

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

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

### COUPLER LIQUID PORT FITTINGS • POLYPROPYLENE

|         |                                       |
|---------|---------------------------------------|
| 2402600 | 1/2" female NPT x 3/8" OD compression |
| 2402700 | 1/2" female NPT x 1/2" OD compression |
| 2402800 | 1/2" female NPT x 5/8" OD compression |
| 2402900 | 1/2" female NPT x 3/8" ID hose barb   |
| 2403000 | 1/2" female NPT x 1/2" ID hose barb   |
| 2403100 | 1/2" female NPT x 3/4" ID hose barb   |

### DQPUR ACCESSORY FITTINGS

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

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

### Torque Tool



### Bung Wrench

Refer to specifications for torque requirements (page 143)



### Backflow Check and Foot Valves

Prevents liquid from draining back into drum when pump is off



### Coupler Liquid Port Fittings



### Shipping Plug



Key installation Tool

# DRUMQUIK PRO / DRUMQUIK PUR ACCESSORIES



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

## DrumQuik® 3-Port UDA Kit • POLYPROPYLENE

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

Optional system components including foot valves, air filters and vent check valves are also available. For your convenience, CPC offers a variety of drum adaptor plugs to facilitate easy drum connections. (See plugs and caps on page 149.)

| PART NUMBER  | DESCRIPTION  |
|--------------|--|
| DQUA3PKIT    | 3-port adaptor, EPDM seal, locking nut, 35.5" (905mm) dip-tube, 1/2" x 3/8" & 1/2" x 1/4" reducer bushings and 1/4" & 3/8" NPT plugs |
| DQUA3PKIT202 | 3-port adaptor, FKM seal, locking nut, 35.5" (905mm) dip-tube, 1/2" x 3/8" & 1/2" x 1/4" reducer bushings and 1/4" & 3/8" NPT plugs  |
| DQUA3P       | 3-port adaptor bulk packaged (1/2" female NPT liquid outlet port, 3/8" & 1/4" NPT vent/recirculation ports)                          |
| DQUA3PNUT    | Locking nut for the 3-port adaptor   |
| 2717000      | EPDM seal for the 3-port adaptor   |
| 2717100      | FKM seal for the 3-port adaptor  |
| 2621100      | Reducer bushing, black polypropylene, 1/2" male NPT x 3/8" female NPT  |
| 2621200      | Reducer bushing, black polypropylene, 1/2" male NPT x 1/4" female NPT  |
| 2621300      | Pipe plug, black polypropylene, 1/4" male NPT  |
| 2621400      | Pipe plug, black polypropylene, 3/8" male NPT  |

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

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



## DrumQuik UDA Kit • POLYPROPYLENE

The DrumQuik® UDA Kit turns ChemQuik® or general purpose (HFC or NSH) couplings into a dip-tube that can easily be threaded into the 3/4" female NPS port of common drum closures. It provides a simple and inexpensive way to dispense chemicals in pumped systems. For your convenience, CPC offers a variety of drum adaptor plugs to facilitate easy drum connections. (See plugs and caps on page 149.)



| PART NUMBER | DESCRIPTION                             |
|-------------|---|
| DQUAKIT     | Adaptor & DQPRODT1274 47" long dip-tube |

## DrumQuik UDA Foot Valve

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| DQMFVPP0708 | Foot valve for use with DrumQuik UDA dip-tubes, fits 1/2" OD tubing, PTFE seal |

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



Universal Drum Adaptor Kit  
(shown with NSH Series)

## BottleQuik® 2-Port Kit UDA • POLYPROPYLENE

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

| PART NUMBER     | DESCRIPTION  |
|-----------------|--|
| DQUDACAP2PKITPP | 2-Port adaptor CAP for 38mm SP400 bottles & dip-tubes, 17.75" (451mm) long, FKM o-ring, 3/8" female NPT liquid port, 3/8" female NPT vent port, 3/8" female NPT vent port.<br>Use above kits with CQG, CQH and CQV Series couplings. |

## DrumQuik Asian Drum Adaptors • POLYPROPYLENE

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

| PART NUMBER          | DESCRIPTION   |
|----------------------|---|
| DQADAPP0212 • TYPE A | Adaptor, FKM seals, 3/4" female NPT inner port x 3/4" NPS male thread to fit drum plug.               |
| DQADAPP0622 • TYPE B | Adaptor, FKM seals, 3/4" female NPT inner port x 1-3/8" TYPE B male buttress thread to fit drum plug. |

## DrumQuik Plugs and Caps

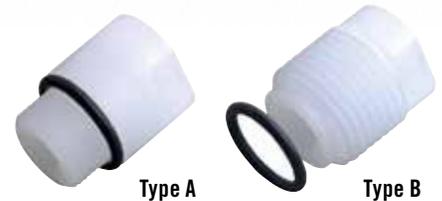
For your convenience, CPC offers several sizes of common bung plugs and caps that have the internal 3/4" female NPS thread, into which the DrumQuik Universal Drum Adaptors/ChemQuik couplings are threaded.

| PART NUMBER     | DESCRIPTION   |
|-----------------|---|
| DQMBUNGPP2BUT12 | Bung closure, polypropylene, EPDM o-ring, 2" buttress x 3/4" female NPS |
| DQMBUNGPP2NPS12 | Bung closure, polypropylene, EPDM o-ring, 2" NPS x 3/4" female NPS      |
| DQMBUNGPP56X412 | Bung closure, polypropylene, EPDM o-ring, BCS56x4 x 3/4" female NPS     |
| DQMBUNGPP70X612 | Bung closure, polypropylene, EPDM o-ring, BCS70x6, 3/4" female NPS      |
| DQMCAPP70mm     | Cap closure, polypropylene, EPDM o-ring, 70mm x 3/4" female NPS         |
| DQMCAPP63MM     | Cap closure, polypropylene, EPDM o-ring, 63mm, 3/4" female NPS          |

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



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



Type A

Type B

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

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



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



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

# UDC SERIES CONNECTOR



## The patented 3/8" flow Universal Dispensing Coupler (UDC)

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

The UDC Series is also available with optional RFID (Radio Frequency Identification) capability (see page 95).

### FEATURES

- Universal 38mm cap
- Flush face/non-spill valves
- Integral terminations
- Shrouded thumb latch
- RFID technology (iUDC only)

### BENEFITS

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

## Specifications ● ● ●

### PRESSURE:

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

### TEMPERATURE:

32°F to 160°F (0°C to 71°C)

### MATERIALS:

**Main body components and valves:**  
Polypropylene

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

**UDC caps:** Acetal, polypropylene

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

iUDC: EPDM, silicone

**CIP adapter:** Acetal

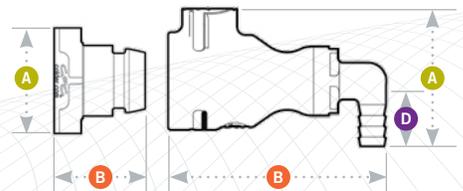
**COLOR:** Light gray with dark gray latch

**CLOSURE SIZE:** SP-400 thread/38mm snap-in

### TUBING SIZES:

3/8" to 3/4" ID, 9.5mm to 19.0mm ID

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



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

# UDC SERIES DIMENSIONS

## Coupling Bodies • POLYPROPYLENE



| TERMINATION          | TUBING SIZE | SILICONE O-RING | BUNA-N O-RING | EPDM O-RING | A    | B    | D   |
|----------------------|-------------|-----------------|---------------|-------------|------|------|-----|
| IN-LINE<br>HOSE BARB | 3/8" ID     | 99000           | 98400         | 98500       | 1.73 | 3.06 |     |
|                      | 1/2" ID     | 95600           | 97600         | 95300       | 1.73 | 3.06 |     |
|                      | 5/8" ID     | 99100           | 97900         | 98100       | 1.73 | 3.20 |     |
|                      | 3/4" ID     | 99200           | 98600         | 98700       | 1.73 | 3.21 |     |
| ELBOW<br>HOSE BARB   | 3/8" ID     | 99300           | 97800         | 99400       | 1.73 | 3.25 | .93 |
|                      | 1/2" ID     | 95400           | 97700         | 95100       | 1.73 | 3.25 | .93 |

## Caps • ACETAL



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

## • POLYPROPYLENE



| TERMINATION              | DESCRIPTION   | SILICONE O-RING | EPDM O-RING | A    | B    |
|--------------------------|---|-----------------|-------------|------|------|
| SNAP-IN 38MM<br>VALVED   |   | 9461300         | 9500000     | 1.15 | 1.77 |
|                          | <i>Note: Snap-in closure designed to fit Scholle 900 bag necks.</i> |                 |             |      |      |
| THREAD-ON<br>38MM VALVED | With thread seal  |                 | 9462000     | 1.70 | 1.48 |

## Clean-in-Place (CIP) Adapter • ACETAL



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

## Coupling Readers • POLYPROPYLENE



| TERMINATION              | TUBING SIZE | METRIC EQ. | SHUTOFF (RS-232) | SHUTOFF (USB) | A  | B    |
|--------------------------|-------------|------------|------------------|---------------|--|------|
| IN-LINE<br>HOSE BARB     | 1/4" ID     | 6.4mm ID   | iUDCDR1700400    | iUDCDR1700401 | 2.00                                     | 3.49 |
|                          | 3/8" ID     | 9.5mm ID   | iUDCDR1700600    | iUDCDR1700601 | 2.00                                     | 3.49 |
|                          | 1/2" ID     | 12.7mm ID  | iUDCDR1700800    | iUDCDR1700801 | 2.00                                     | 3.49 |
|                          | 5/8" ID     | 15.9mm ID  | iUDCDR1701000    |               | 2.00                                     | 3.49 |
|                          | 3/4" ID     | 19mm ID    | iUDCDR1701200    |               | 2.00                                     | 3.49 |
| PANEL MOUNT<br>HOSE BARB | 1/4" ID     | 6.4mm ID   | iUDCDR1600400    | iUDCDR1600401 | Refer to cpcworldwide.com for dimensions |      |
|                          | 3/8" ID     | 9.5mm ID   | iUDCDR1600600    | iUDCDR1600601 |  |      |
|                          | 1/2" ID     | 12.7mm ID  | iUDCDR1600800    | iUDCDR1600801 |  |      |

## Caps • ACETAL



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

## • POLYPROPYLENE



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

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

# PUNCTURE SEAL SERIES CONNECTOR



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

## Specifications ● ● ●

### PRESSURE:

120 psi, 8.3 bar (coupling body)

### TEMPERATURE:

32°F to 160°F (0°C to 71°C)

### MATERIALS:

**Main components and valves:** Polypropylene

**38mm closure:** Polyethylene (LDPE)

**Thumb latch:** Stainless steel

**Valve spring:** 316 stainless steel

**External spring and pin:** Stainless steel

**O-rings:** EPDM

### CLOSURE SIZE: SP-400 38mm

### TUBING SIZES:

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

Also available in NSF listed versions. Please visit our website for part number information



## FEATURES

Puncture Seal coupling

Polypropylene and polyethylene materials

Puncture Seal membrane

CPC thumb latch

## BENEFITS

Easily breaks the Puncture Seal membrane

Greater chemical resistance

Eliminates shipping caps and o-rings

One-hand connection and disconnection

## Coupling Bodies • POLYPROPYLENE



**TERMINATION**  
**IN-LINE**  
**HOSE BARB**

**TUBING SIZE**  
1/4" ID  
3/8" ID

**METRIC EQ.**  
6.4mm ID  
9.5 mm ID

**STRAIGHT THRU**  
PS1700412  
PS1700612

**SHUTOFF**  
PSD1700412  
PSD1700612

**LENGTH**  
1.95  
1.95

## Closure • POLYETHYLENE

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



**TERMINATION**  
**THREAD-ON**  
**38MM VALVED**

**PART NO.**  
PSC38mm

**LENGTH**  
1.7

**HEIGHT**  
1.12



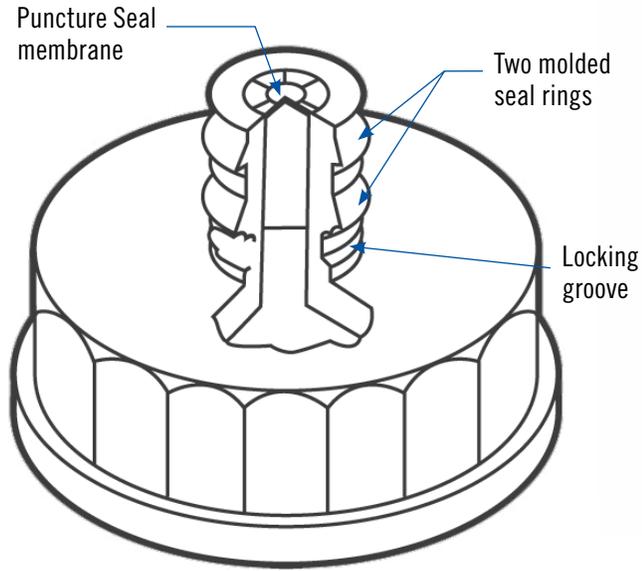
**SNAP-IN 38MM**  
**VALVED**

496200

1.88

1.62

## Closure Detail



## DID YOU KNOW?

### **CPC'S PUNCTURE SEAL CLOSURES CAN BE USED TO DISPENSE VIRTUALLY ANY LIQUID FROM FLEXIBLE PACKAGES?**

The Puncture Seal makes transporting and dispensing cleaning concentrates, dry cleaning chemicals and soaps cleaner and safer. Printing inks, photo developers and dyeing agents can also be dispensed quickly and easily, without messy drips or spills. The Puncture Seal can also be used with beverage and condiment dispensing systems, just look for the NSF-listed part numbers.

## **NOTES:**