

# DrumQuik® PUR

## Dispensing System for Professional, High Purity Chemical Management



DrumQuik® PUR is an easy-to-use product for extracting high purity chemicals from rigid containers (jerry cans, drums and IBCs) using common pumps within a closed-system design. The integrated flare outlet fitting allows easy connections to chemically resistant tubing such as PFA or FEP. The system minimizes chemical exposure and promotes employee and environmental safety. DrumQuik PUR is ideally suited to cost-sensitive one-way/single-use applications and can be disposed of, recycled along with the container or reused with a new container. DrumQuik PUR products are manufactured in a cleanroom and double bagged to maintain purity until ready for use.



### FEATURES

Quick connect/disconnect

All plastic construction

Automatic shutoff valve

Cleanroom manufactured

Disposable drum insert

### BENEFITS

Allows faster container change-outs

No metallic corrosion/contamination

Stops flow when disconnected

Assures high level of purity

Minimizes chemical exposure & contamination

## Specifications

### Pressure:

**Uncoupled:** Vacuum to 45 psig (3.1 bar)

**Coupled:** Vacuum to 22 psig (1.5 bar)

### Temperature:

**Drum insert:** -20° to 120°F (-29° to 49°C)

**Coupler:** 0° to 120°F (-18° to 49°C)

### Materials:

#### Drum insert & dip-tube:

Virgin polyethylene (HDPE)

#### Shipping plug:

Virgin polyethylene (HDPE)

**Coupler:** Virgin PVDF

#### Spring (coupler only):

Virgin PEEK UHP (PPS or Teflon® encapsulated 316 stainless steel optional)

#### Seals:

**Coupler seals:** FKM (Simriz® UHP FFKM Perfluoroelastomer optional)

**Bung seal:** Polyolefin (POE) (EPDM or FKM optional)

**Shipping plug seal:** EPDM (FKM optional)

#### Torque specifications:

2" Buttress – 20ft-lbs (27 N-m)

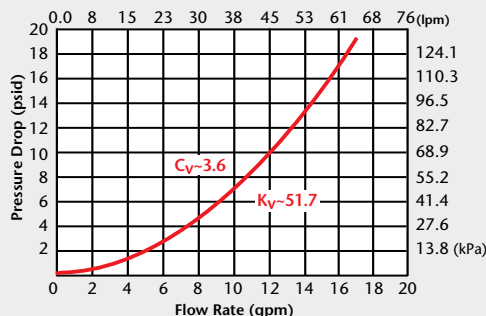
Shipping plug – hand tight

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

### Applications:

- Acids, caustics and solvent delivery
- Pharmaceutical chemical handling
- Semiconductor wet process
- Flat panel production
- Photovoltaic cell manufacturing
- Laboratory chemical handling

### DrumQuik® PUR Flow Performance



Note: As tested with water.

## Couplers: PVDF

PART NUMBER	DESCRIPTION
DQPUR120112	3/4" flare liquid port

## Drum Inserts: HDPE

PART NUMBER	DESCRIPTION
DQPUR 202BUT	2" American buttress thread

NOTE: See modified standard material options below.

## Dip-tubes: HDPE

PART NUMBER	DESCRIPTION
DQPURDT0334	Dip-tube, NAMPAC 20L square, 20L (5.28 gallon) jerry can, 334mm long
DQPURDT0985	Dip-tube, universal (drum), 985mm long
DQPURDT1274	Dip-tube, universal (IBC), 1274mm long

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

## Assembled Drum Inserts & Dip-tubes

PART NUMBER	DESCRIPTION
DQPUR2BUT0334	Drum insert assembly, NAMPAC square jerry can, 20L, 334mm long
DQPUR2BUT0985	Drum insert assembly with universal dip-tube (drum), 985mm long
DQPUR2BUT1274	Drum insert assembly with universal dip-tube (IBC), 1274mm long

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

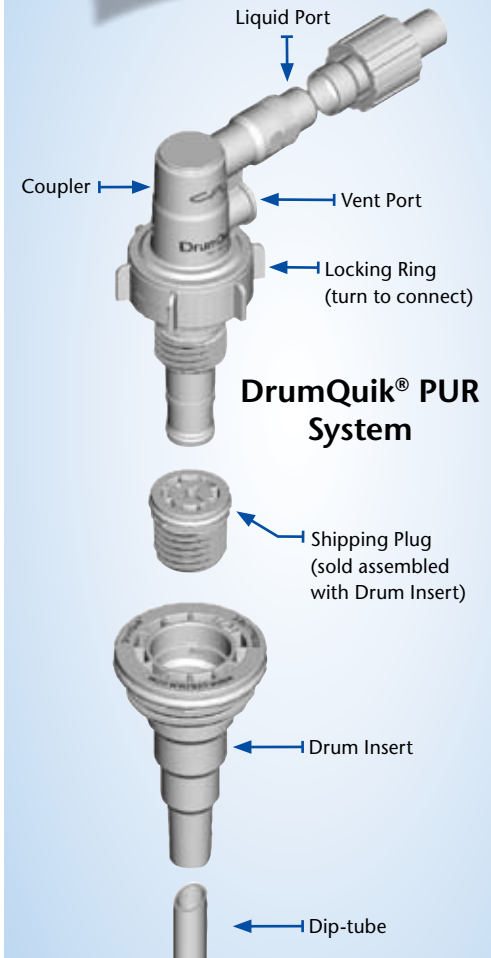
### Optional Seal and Spring Materials

DRUM INSERT P/N SUFFIX	DESCRIPTION
202	Polyolefin (POE bung seal, FKM shipping plug seal)

COUPLER P/N SUFFIX	DESCRIPTION
203	Simriz® FFKM liquid contact seals, FKM vent seal, PEEK plastic spring
208	FKM liquid contact seals, FKM vent seal, PPS plastic spring
209	Simriz® FFKM liquid contact seals, FKM vent seal, PPS plastic spring
210	FKM liquid contact seals, FKM vent seal, Teflon encapsulated 316 stainless steel spring
211	Simriz® FFKM liquid contact seals, FKM vent seal, Teflon encapsulated 316 stainless steel spring

For color coding, keying and sample kit options — see main catalog.



- Additional System Components**
- ✓ Vent Check Valve
  - ✓ Vent Check Fittings
  - ✓ Backflow Check Valve
  - ✓ Color Coding
  - ✓ Keying Options
  - ✓ Liquid Port Fittings
- Visit [www.colder.com](http://www.colder.com)



Visit us at [www.colder.com](http://www.colder.com) or call 651-645-0091 to get a free catalog CD or to find your local distributor.

DrumQuik® is a registered trademark with the U.S. Patent & Trademark Office. Krytox® is a registered trademark of DuPont Company. Santoprene® is a registered trademark of Advanced Elastomer Systems. Hastelloy® is a registered trademark of Haynes International, Inc.

**WARNING:** Due to the wide variety of possible fluid media and operating conditions, unintended consequences may result from the use of this product, all of which are beyond the control of Colder. It is the user's responsibility to carefully determine and test for compatibility for use with their application. All such risks shall be assumed by the buyer.

**WARRANTY:** All sales are subject to Colder Products Company's limited express warranty set forth in the Colder catalog. Contact your local distributor or Colder Customer Service for warranty provisions.



**Colder Products Company**  
1001 Westgate Drive  
St. Paul, Minnesota 55114  
U.S.A.

Phone: 651-645-0091  
Fax: 651-645-5404  
Toll Free: 800-444-2474  
info@colder.com  
[www.colder.com](http://www.colder.com)

**Colder Products Company GmbH**  
Schmalweg 50  
D-55252 Mainz-Kastel  
Germany

Phone: +49-6134-2878-0  
Fax: +49-6134-287828  
cpcgmbh@colder.com  
[www.colder.com](http://www.colder.com)

**Colder Products Company Limited**  
Room 1503, 15/F, SBI Center  
54 – 58 Des Voeux Road Central  
Hong Kong

Phone: 852-2987-5272  
Fax: 852-2987-2509  
asiapacific@colder.com  
[www.colder.com](http://www.colder.com)