

The DrumQuik PRO dispensing system has been UN/DOT certified with many common drums and IBCs for use with hazardous chemicals per 49 CFR 178 and German BAM 1027.

**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.

## 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:** HDPE, 32° to 120°F (0° to 49°C)  
 PVDF, 0° to 120°F (-18° to 49°C)

### Materials:

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

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

**Coupler:**  
 Virgin PVDF or virgin polypropylene (PP)

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

### Seals:

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

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

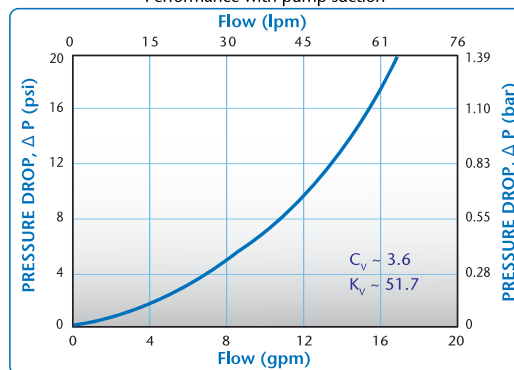
**Shipping plug seal:** EPDM (FKM optional)

### Torque specifications:

2" Buttress - 20ft-lbs (27 N m)  
 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 - hand tight

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

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



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

Visit [www.colder.com/dqpro](http://www.colder.com/dqpro) and click on **Flow Performance Graphs** for flow performance with other possible plumbing configurations.

## Couplers: Polypropylene

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

PART NUMBER	DESCRIPTION
DQPUR120112	3/4" flare liquid port
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, Teflon encapsulated 316 stainless steel spring
DQPUR12011221	Simriz FFKM liquid contact seals, FKM vent seal, Teflon encapsulated 316 stainless steel spring

## Drum Inserts: Polyethylene (HDPE)

PART NUMBER	DESCRIPTION
DQPRO202BUT	2" American buttress thread, EPDM seals (NA plastic drums)
DQPRO202BUT202	2" buttress thread, FKM seals (NA 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 IBCs)
DQPRO20G2NPSPL202	2" NPS (ISO G2) thread, FKM flat bung seal (plastic drums and IBCs)
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)

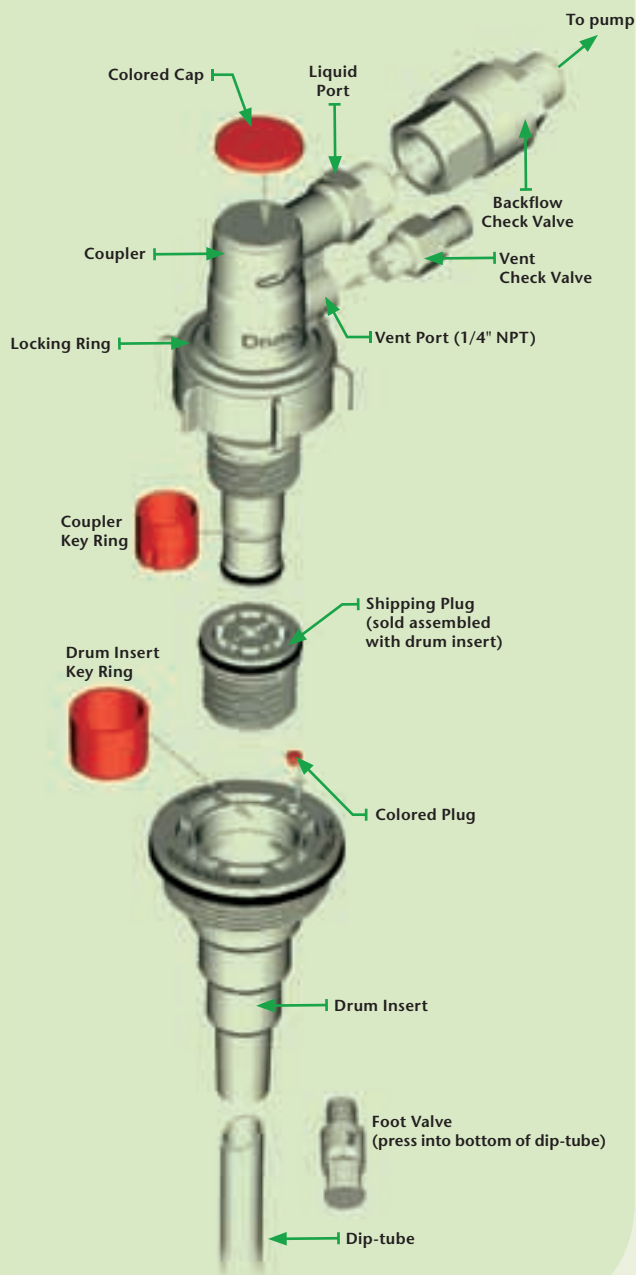
PART NUMBER	DESCRIPTION
DQPRODT0410	13.0" (330mm) long for 5 gal/25L jerry cans
DQPRODT0985	35.5" (902mm) long for 55 gal/200L drums
DQPRODT1070	39.0" (990mm) long for 275 gal/1040L IBCs
DQPRODT1274	47.0" (1194mm) long for 330 gal/1250L IBCs
DQPUR2BUT0334	Drum insert assembly, NAMPAC square jerry can, 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: The length indicated in the part number 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.

## 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

## 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 Colder quick disconnect coupling for blanket gas (N<sub>2</sub>, CO<sub>2</sub>)



Call toll free 1-800-444-2474 or visit us at [www.colder.com](http://www.colder.com)

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Made from virgin, animal free materials that comply with FDA and RoHS standards.

DRUMQUIK PRO / DRUMQUIK PUR

## DrumQuik® Dispensing Systems for Safer Chemical Management

Whether you're dispensing edible oils, condiments, detergents, Diesel Exhaust Fluid (DEF), or industrial chemicals, acids, caustics or solvents, DrumQuik PRO and the high purity DrumQuik PUR can make your process cleaner, faster, safer and smarter.

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

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

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

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

Advanced dispensing solutions integrate RFID technology to verify container contents, track container usage, identify potentially hazardous misconnections and much more. Contact Colder to find out how our patented RFID solutions can make your dispensing system smarter.

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

### DrumQuik PRO

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

### DrumQuik PUR

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

## 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
DQPROKEYPCOMBO	DQPURKEYPCOMBO	One of every coupler key ring and cap

Key kits for coupler include coupler key ring and cap.

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

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

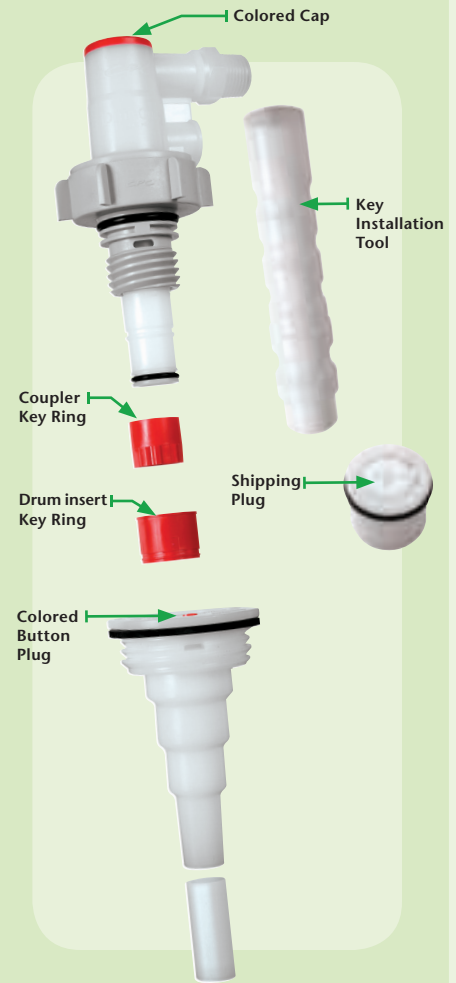
### Color Coded Parts

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

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

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

## DrumQuik® PRO & PUR Key Kits



### Color Coding



## Easy Installation and Dispensing

1

Fully press dip-tube into drum insert socket.



2

Place the drum insert assembly in drum.



3

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



4

Insert coupler into drum insert assembly.



5

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



Visit [www.colder.com/dqpro](http://www.colder.com/dqpro) and click on [Installation Guide](#) for more information.

## Tools

PART NUMBER	DESCRIPTION
2408900*	Torque socket tool (glass-filled nylon)
2290301*	Torque socket tool (Stainless steel)
	*Required for drum insert installation, mates with 1/2" torque wrench and common bung wrenches
2479100	Bung wrench (aluminum)
2375600*	Key installation tool (for key kits)
	*Shipping plug may also be used to install keys
DQPURSP	Shipping plug with FEP encapsulated silicone seal
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

## Sample Kits

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

PART NUMBER	DESCRIPTION
DQPRONASAMP	2" Buttress drum insert, 902mm dip-tube, 1/2 NPT coupler (EPDM O-rings, 316 SST spring in coupler)
DQPRONASAMP207	2" Buttress drum insert, 902mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy C spring in coupler)
DQPROEUSAMP	BSC 56x4 drum insert, 902mm dip-tube, 3/4 BSPP coupler (EPDM seals, 316 SST spring in coupler)
DQPROEUSAMP207	BSC 56x4 drum insert, 902mm dip-tube, 3/4 BSPP coupler (FKM seals & Hastelloy C spring in coupler)
DQPRONPSSTSAMP	2" NPS (ISO G2) drum insert, 902mm dip-tube, 1/2 NPT coupler (EPDM Bung O-rings, 316 SST spring in coupler)
DQPRONPSSTSAMP207	2" NPS (ISO G2) drum insert, 902mm dip-tube, 1/2 NPT coupler (FKM seals & Hastelloy C spring in coupler)
DQPRONPSPLSAMP	2" NPS (ISO G2) drum insert, 902mm dip-tube, 1/2 NPT coupler (EPDM Flat Gasket, 316 SST Spring)
DQPRONPSPLSAMP207	2" NPS (ISO G2) drum insert, 902mm 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)



## Accessories

PART NUMBER	DESCRIPTION
<b>Venting Options</b>	
2324300	Vent check valve, 1/2" ID x 1/4" male NPT (Polypropylene, 316 SST, EPDM)
2324301	Vent check valve, 1/2" ID x 1/4" male NPT (Polypropylene, Hastelloy® C, Alcryn®)
APCD24004	Vent coupling insert, 1/4" male NPT (Acetal, 316 SST, Buna-N)
APCD17004SH	Vent coupling body with shroud, 1/4" hose barb (Acetal, 316 SST, Buna-N)
APCD17006SH	Vent coupling body with shroud, 3/8" hose barb (Acetal, 316 SST, Buna-N)
EFCD24412	Vent coupling insert, 1/4" male NPT (Polypropylene, 316 SST, EPDM)
EFCD17412	Vent coupling body, 1/4" hose barb (Polypropylene, 316 SST, EPDM)
EFCD17612	Vent coupling body, 3/8" hose barb (Polypropylene, 316 SST, EPDM)

**NOTE:** Parts listed above are suggested for use in the vent port, but any 1/4" NPT Colder coupling can be used for blanket gas applications (see page 95.)

### Backflow Prevention Options | Material: Polypropylene

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

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

### Liquid Port Fittings | Material: Polypropylene

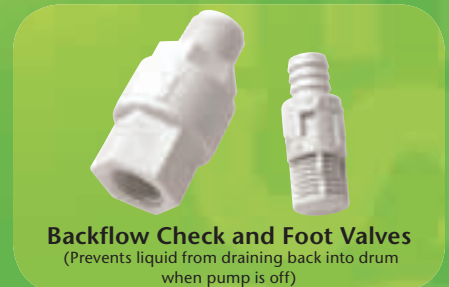
2402600	1/2" female NPT x 3/8" OD compression
2402700	1/2" female NPT x 1/2" OD compression
2402800	1/2" female NPT x 5/8" OD compression
2402900	1/2" female NPT x 3/8" OD hose barb
2403000	1/2" female NPT x 1/2" OD hose barb
2403100	1/2" female NPT x 3/4" OD hose barb

### DQPUR Accessory Fittings

DQPURMC0404	Male Connector, PVDF, 1/4" Flare x 1/4" NPT
DQPURMC0604	Male Connector, PVDF, 3/8" Flare x 1/4" NPT
DQPURFR1208	Flare Reducer, PFA, 3/4" Female Flare x 1/2" Male Flare
DQPURSE0808	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
DQPURFT08	Flaring Tool, 1/2" tubing
DQPURFT12	Flaring Tool, 3/4" tubing

## Replacement Parts

PART NUMBER	DESCRIPTION
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
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, 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



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



Call toll free 1-800-444-2474 or visit us at [www.colder.com](http://www.colder.com)

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