

WINTER PRODUCT GUIDE

Exclusive discounts & savings inside.



**EXPLORE OUR EXTENSIVE
PRODUCT OFFERING**

RELIABLY EVERYWHERE. COMMITTED TO SERVING YOU.

7 AM TO 8 PM EST CUSTOMER SERVICE

Monday through Friday. Live in-person 7 AM EST - 8 PM EST. Ship same day up to 8 PM EST.

sales@rmimfg.com 1-800-264-7793

SAME DAY SHIPPING UP TO 8 PM EST

Strategic warehouse locations around the country. Tennessee, Texas, and California. Over 30,000 products!

reliable delivery.

SHOP 24/7 ONLINE - [RMIORDER.COM](https://rmimfg.com)

Your one-stop shop for all things Ratermann, save your favorites, and review orders.

**reliably
RATERMANN**



THANK YOU FOR YOUR SUPPORT

At Ratermann we are always striving to be a trusted partner in your business. We hand selected these products to showcase our extensive offering.

Brent Lockhart - President



RELIABLE DELIVERY WITH EVERY ORDER

We take pride in each and every order we ship. Expect faster ship times with your products arriving safely.

Angel Lopez - National
Warehouse Manager



**SIX SHIPPING LOCATIONS
AROUND THE COUNTRY**

1.800.264.7793 SALES@RMIMFG.COM [RMIORDER.COM](https://rmimfg.com)



WINTER 2024 SALES FLYER



RELIABLY EVERYWHERE.

LIVE CUSTOMER SERVICE

7 AM to 8 PM Eastern Standard Time

1-800-264-7793

Monday through Friday. Live in-person 7 AM EST - 8 PM EST. Ship same day up to 8 PM EST.

**SAME DAY SHIPPING
UP TO 8PM EST**

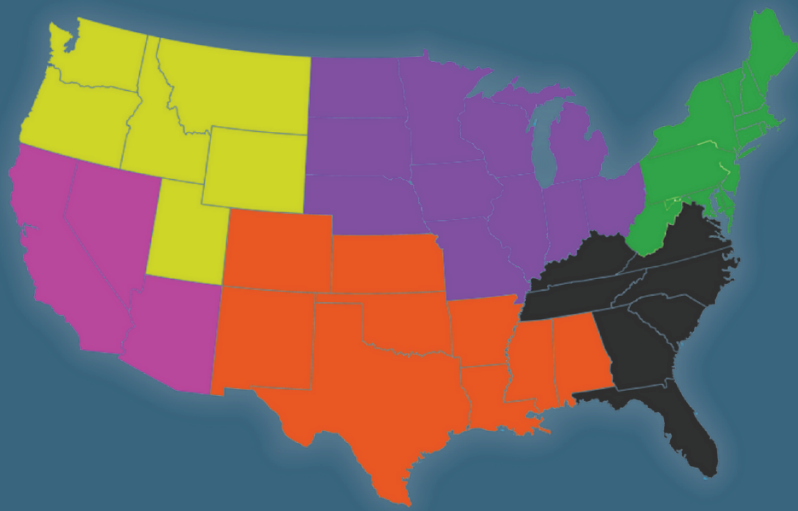
Strategic warehouse locations around the country. Tennessee, Texas, and California. Over 30,000 products!

**SHOP 24/7 ONLINE
RMIORDER.COM**

Over 30,000 products for the compressed gas & cryogenic industries.

7 AM to 8 PM EASTERN STANDARD TIME

We have you covered.



RATERMANN



Heather Schmidt
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George Ratermann
CEO



Brent Lockhart
President



Steve Byers
Vice President



Adam Marcum
National Service Manager



Michael Crambes
Director of Customer Experience



Shari Spain
Inside Sales - Cryogenics



Marie Williams
Director of Business Development



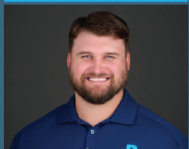
Madeline Westerhoff
Inside Sales - Industrial



Josh Drury
National Sales Manager - Beverage



Brad Gholsen
Account Manager - ASU's



Eric Mensik
Account Manager - Cryogenics



Lance Loopier
National Sales Manager - Cryogenics



Craig Pagano
National Sales Manager - Industrial



Jake Williams
Marketing Manager

2-Dec 2023

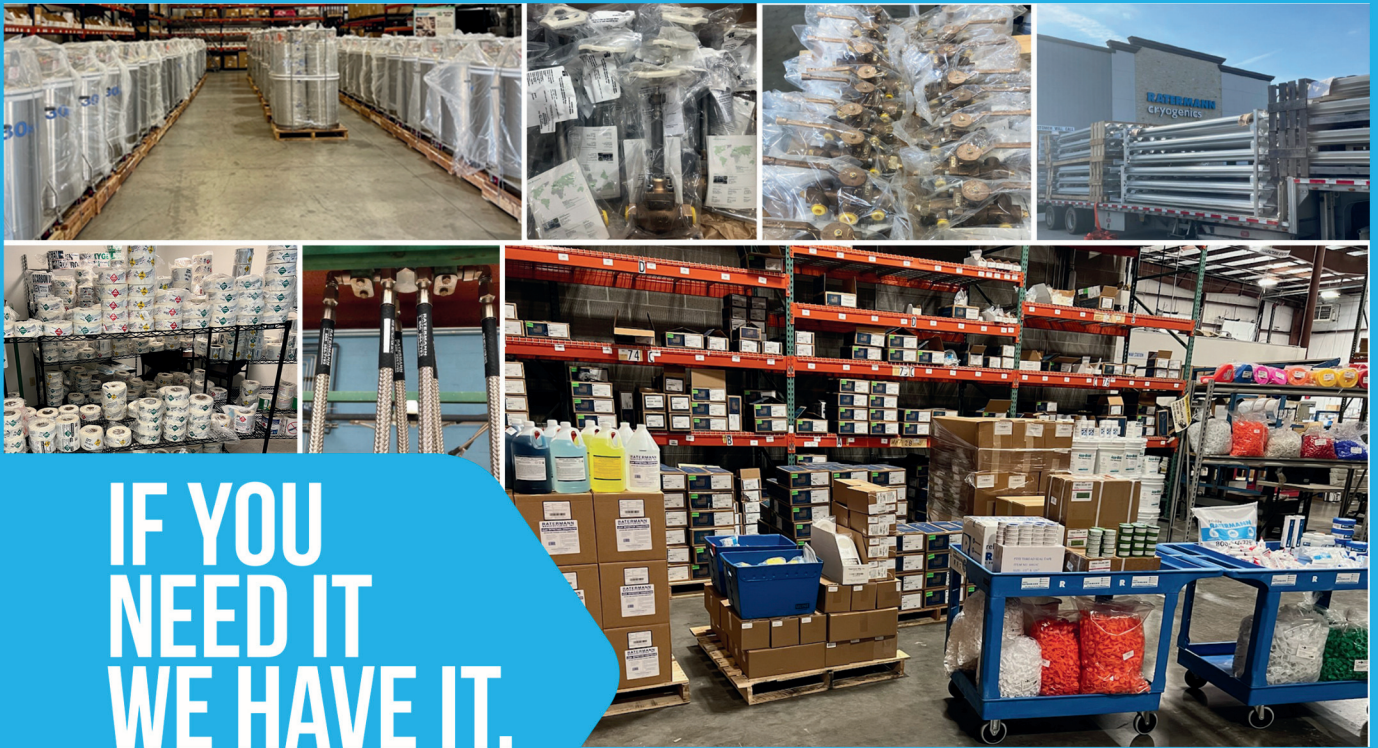


RATERMANN

1.800.264.7793

rmioorder.com

sales@rmimfg.com



**IF YOU
NEED IT
WE HAVE IT.**

The brands you love in stock & ready to ship.



ALL UNDER ONE ROOF.

**RELIABLE
PEOPLE**

**RELIABLE
SOLUTIONS**

**RELIABLE
DELIVERY**

**SOLUTIONS
FOR INDUSTRIES**

**THAT CHANGE THE
WORLD**

Family Owned & Operated Since Day One. Now That's Reliable.

📞 1.800.264.7793 🌐 www.rmiororder.com ✉ sales@rmimfg.com

reliable people. reliable solutions. reliable delivery.

RATERMANN

7 AM TO 8 PM

NEW EXTENDED HOURS

7 AM EST TO 8 PM EST CUSTOMER SERVICE

Monday through Friday, our live, in-person assistance is available from 7 AM to 8 PM EST. Our team of industry specialists is ready to address any questions related to your specific application, providing expert guidance and support. Furthermore, we offer same-day shipping until 8 PM EST on these weekdays, ensuring prompt delivery of your orders.

1-800-264-7793



Michael Crambes - Director of
Customer Experience



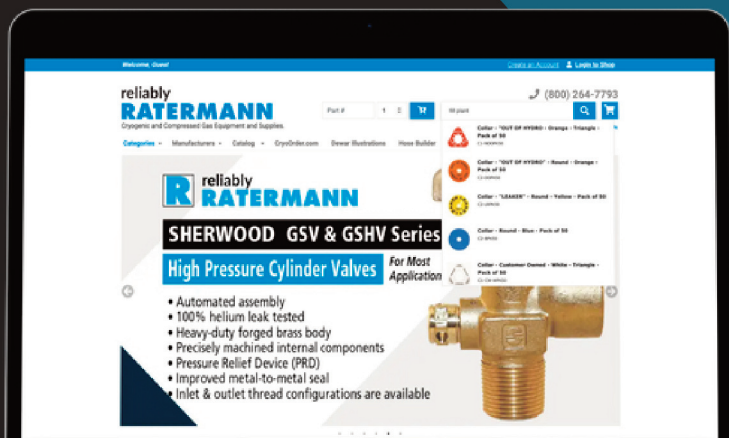
Tina Rose - Customer Service
Manager

7 AM to 8 PM EASTERN STANDARD TIME

YOUR SEARCH JUST GOT A WHOLE LOT EASIER.

RMIOrder.com is incredibly user-friendly, making it a breeze to find what you need with its product search features, and you can save your favorites for quick grabs next time! Plus, checking out your past orders is a snap, adding a touch of convenience and making the whole experience just more, well, friendly.

Shop 24/7 at:
RMIORDER.COM



DRY ICE BINS

IN STOCK & READY TO SHIP - FAST DELIVERY

Dimensions:
Outer Size: 42.9 x 27.1 x 38.5
Inner Size: 37 x 21.2 x 25.5



reliable solutions.

Ratermann is committed to delivering the utmost reliability in meeting our customers' dry ice requirements. Through continuous innovation and dedication, we strive to offer dependable solutions that not only meet but exceed expectations, ensuring our clients receive the highest quality products and services for their specific dry ice needs.

Capacity
Can store 705 lbs blocks of dry ice or 570 lbs of pellets of dry ice easily.

Insulation
75mm thick insulation layer, effective in reducing volatile dry ice.

Material
PE advanced engineered plastic, low temp, radiation proof.

RATERMANN

sales@rmimfg.com 1.800.264.7793 rmiorder.com

NEW PRODUCT DRY ICE BINS

Exciting news at Ratermann! We've recently expanded our inventory to include dry ice bins, showcasing our commitment to continuously diversifying our product offerings to meet the evolving needs of our customers. Now stocking dry ice bins is just another way we're staying on top of the game, ensuring that we're always equipped to provide comprehensive solutions for our valued clients. Your convenience and satisfaction drive our commitment to expanding and enhancing our inventory.

www.rmiorder.com

THE CATALOG YOU LOVE NOW DIGITAL

We know you can't always have your Ratermann catalog by your side. Try our digital version from anywhere. Completely mobile friendly, make the Ratermann digital catalog a tool you always have with you.

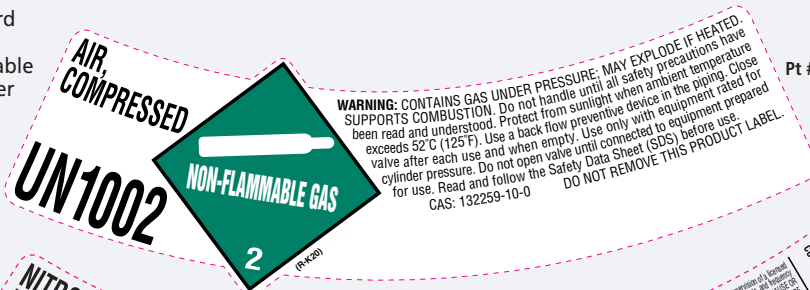
All products are linked to rmiorder.com for quick ordering and checkout.



HIGH PRESSURE INDUSTRIAL LABELS

Take Your Brand to the Next Level with Custom Imprint Shoulder Roll Labels

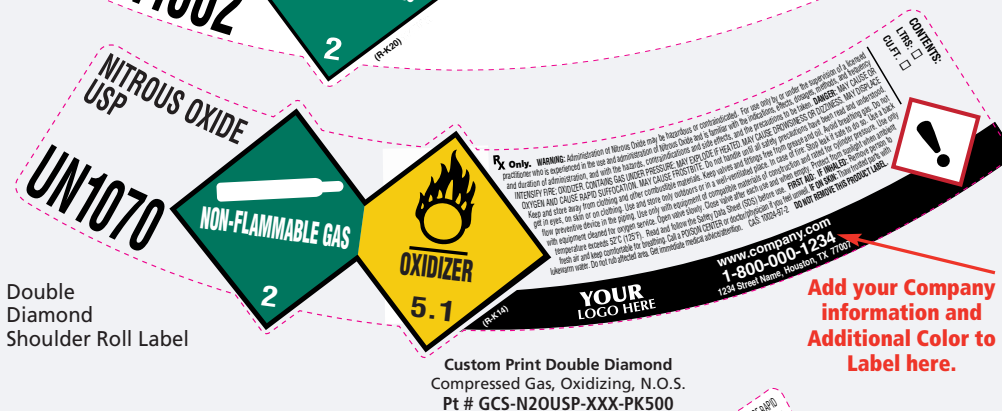
Standard
Non-
Flammable
Shoulder
Roll
Label



HIGH PRESSURE SHOULDER LABELS

High pressure shoulder labels are available in 5 7/8" x 2". Add your custom full color logo, with company information, and website. Available in single and double diamond, see next item.

Double
Diamond
Shoulder Roll Label



CUSTOMIZE YOUR HIGH PRESSURE DOUBLE DIAMOND SHOULDER LABELS

High pressure double diamond labels are approximately 8" x 3". Add color to your label along with your custom full color logo, with company information, and website.

Condensed
Shoulder
Roll
Label



HIGH PRESSURE CONDENSED SHOULDER LABELS

High pressure condensed shoulder labels are approximately 5" x 2" and in a condensed format. Add your custom full color logo, with company information, and website.

Standard
Oxygen
Shoulder
Roll
Label



HIGH PRESSURE OXYGEN SHOULDER LABELS

High pressure oxygen shoulder labels available in 5 7/8" x 2". Add your custom full color logo, with company information, and website.

Standard
Flammable
Shoulder
Roll
Label



HIGH PRESSURE FLAMMABLE SHOULDER LABELS

High pressure flammable shoulder labels are available in 5 7/8" x 2". Add your custom full color logo, with company information, and website.

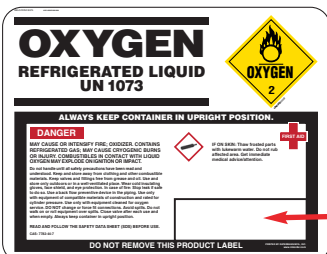
Contact us **1-800-264-7793** or email **sales@rmimfg.com** with any questions and to discuss your GHS labeling requirements.

GHS Compliant Dewar Body Labels & 360° Tape

Meets Industrial Requirements

GHS Compliant DOT-4L Dewar Laminated Body Labels

Ship to you with your company information – Company, Street Address, City, State, Zip Code and Phone Number.**



Pt # DBG-O-CIL

Custom Imprinted Label Here with Black Text Imprint Only – No Logo



Pt # DBG-OUSP-CIL

1/2 OFF Plate Charge for 1+ Pack
NO Plate Charge for 5+ Pack
on Laminated Dewar Body Labels

Present **Coupon # FL23-12** when ordering.*

One coupon to a location.

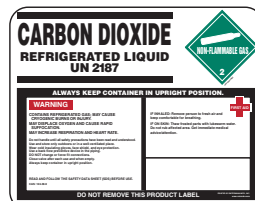
Start 12/19/23 Expires 2/27/2024

* Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

BLACK TEXT
IMPRINT ONLY
NO LOGO



Pt # DBG-A-CIL



Pt # DBG-CO2-CIL



Pt # DBG-NO-CIL



Pt # DBG-NNF-CIL

GHS Compliant DOT-4L Body Labels – Industrial & Medical 14" x 11" Dewar Body Labels

** Dewar Body Labels with Custom Imprinted Laminate Label.

Description	Part # Package of 10	Part # Package of 25	Part # Package of 100
Argon	DBG-A-CIL-PK10	DBG-A-CIL-PK25	DBG-A-CIL-PK100
Carbon Dioxide	DBG-CO2-CIL-PK10	DBG-CO2-CIL-PK25	DBG-CO2-CIL-PK100
Nitrogen	DBG-N-CIL-PK10	DBG-N-CIL-PK25	DBG-N-CIL-PK100
Oxygen	DBG-O-CIL-PK10	DBG-O-CIL-PK25	DBG-O-CIL-PK100
Nitrous Oxide	DBG-NO-CIL-PK10	DBG-NO-CIL-PK25	DBG-NO-CIL-PK100
Oxygen USP	DBG-OUSP-CIL-PK10	DBG-OUSP-CIL-PK25	DBG-OUSP-CIL-PK100
Nitrogen NF	DBG-NNF-CIL-PK10	DBG-NNF-CIL-PK25	DBG-NNF-CIL-PK100



Your INDUSTRIAL CRYOGENIC DOT-4L 360° Tape per Recommendation of CGA C-7 2014, Appendix F

Part #	Description	Roll Length
DG-TC	3" Carbon Dioxide Dewar 360° Gas Tape	250' Roll
DG-TO	3" Oxygen Dewar 360° Gas Tape	250' Roll
DG-TN	3" Nitrogen Dewar 360° Gas Tape	250' Roll
DG-TA	3" Argon Dewar 360° Gas Tape	250' Roll
DG-TH	3" Helium Dewar 360° Gas Tape	250' Roll



Sample of Your Logo Here

CUSTOM PRINT* – Industrial 3" Dewar 360° Gas Tape

Part #	Description	Roll Length
DGC-TA-XXXX	Argon	250' Roll
DGC-TC-XXXX	Carbon Dioxide	250' Roll
DGC-TH-XXXX	Helium	250' Roll
DGC-TN-XXXX	Nitrogen	250' Roll
DGC-TO-XXXX	Oxygen	250' Roll

Requirement of SB-26 Medical 3 1/2" Dewar 360° Gas Tape

Part #	Description	Roll Length
DGC-MEDCO-XXXX	Carbon Dioxide	250' Roll
DGC-MEDN-XXXX	Nitrogen	250' Roll
DGC-MEDO-XXXX	Oxygen	250' Roll

* One time plate charge – Roll minimum applies.

Upgrade to Build Your Brand 360° Tape Designed to Identify the Gas Type and Promote Your Brand.

Quickly See Tank that Belongs to **Your Company!**



Your Industrial Cryogenic DOT-4L 360° Tape per Recommendation of CGA C-7 2014, Appendix F

MEDICAL DOT-4L LABELS for GHS and CGA SB-26 Requirements



3 1/2" Medical Oxygen Dewar 360° Gas Tape
Pt # DG-MEDO



Requirement of SB-26 Medical 3 1/2" Dewar 360° Gas Tape

Part #	Description	Roll Length
DG-MEDO	3 1/2" Oxygen Dewar 360° Gas Tape	250' Roll
DG-MEDN	3 1/2" Nitrogen Dewar 360° Gas Tape	250' Roll
DG-MEDNO	3 1/2" Nitrous Oxide Dewar 360° Gas Tape	250' Roll

1/2 OFF
PLATE CHARGE
ON 360° TAPE
BLACK TEXT
IMPRINT ONLY –
NO LOGO

One coupon to a location.

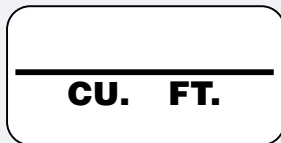
Start 12/19/23 Expires 2/27/2024

* Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

ADD-ON LABELS

High Pressure & Liquid Cylinder Labels

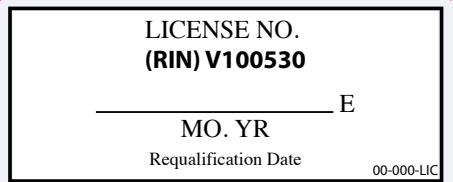
Add-on labels come in numerous sizes and custom shapes. Add-on labels with your logo, company information, and website. Get custom wording or choose from our extensive add-on label catalog.



2" x 1" Label
Pt # SAO-2X1-CUFT-PK250

**SAFETY
LEAKING**

1.5" x 1.25" Labels
Pt # SAO-12515-SAFLEK-PK250



3 1/2" x 1.5" Requalification Date Label
Pt # NBLF-LN-V100530-XXX-PK500

**TEMPERATURE
SENSITIVE!**

Keep above

0

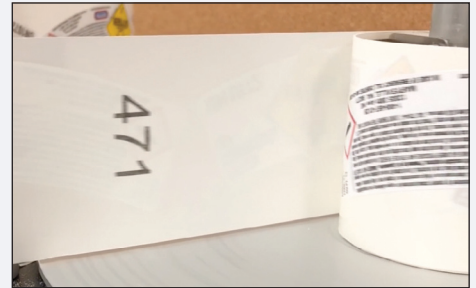
6" x 4" Temperature Sensitive Label
Pt # GMBLJC-TEMPSENSKA-OR-XXX-PK250



For additional **Add-On Labels** with Your Custom Print call **1.800.264.7793**

MEDICAL Serialized Labels

If the FDA audits you, you need to be able to communicate how many labels you have used, how many you have in process that day and how many you have in storage. As a part of the inventory process it is a requirement to keep a log of labels used.



By having the labels sequentially numbered on the back of the labels is a great aide in helping companies guarantee how many labels were printed per roll and how many are left on that specific roll. When you receive the rolls from the label supplier you can verify the individual count of each roll and tally total numbers being added to your inventory quite easily by reading the numbers on the backs of the labels. It also can be a good check and balance for that day's activities to say we started with label number X and the roll now shows we have Y labels left and I can see the log sheet says I used X-Y labels today so I accounted for everything. There is no requirement to have this sequential numbering on the backs of the labels it is purely up to each company to define the practices they want to adopt for accounting for these labels, the sequential numbering is simply a tool they can use if they so desire.

MEDICAL Vinyl Body Labels / 360° I.D. Tape



4" x 6"
Part # GMBLC-OUSP-XXX-PK250

**Vinyl Medical
Cylinder Body
Labels**

**Take Your Brand to
the Next Level
with Your Logo.**



Medical 360° I.D. Tape

Custom Imprint with your Company name and logo is available on the 3 1/2" Medical Oxygen Liquid Cylinder 360° Gas Tape.

Call our Ratermann Label Representative at 1-800-264-7793 for information.

SALES PROMOS & COUPONS

Start Date December 19, 2023 - February 27, 2024

– Coupon –



**BUY 10
GENERANT
PRESSURE RELIEFS
GET A
FREE**



**Pack of
10 Pressure
Relief I.D. Disks**

GENERANT

**1/4" NPT
Safety
Pressure
Relief Valve**

Part #	PSI
LPR-22	22 PSI
LPR-230	230 PSI
LPR-35	35 PSI
LPR-350	350 PSI
LPR-50	50 PSI
LPR-100	100 PSI
LPR-500	500 PSI

Limited to on hand quantities

Present **Coupon # FL23-12** when ordering.*
One coupon to a location.

Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer.
Promotion Discount based on standard industrial
selling price.

⚠ WARNING: Products in this catalog can expose you to chemicals
including Lead which is known to the State of California to cause
cancer, birth defects or reproductive harm. For more information,
go to <https://www.p65warnings.ca.gov>

**KINEDYNE
Truck
Straps**

PROMO

12' Strap
with
Chain
Anchor
Pt # TSK-12



**SALE
\$35.99**

Present **Coupon # FL23-12** when ordering.*
One coupon to a location.

Starts 12/19/23 Expires 2/27/2024.

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tion Discount based on standard industrial selling price.

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cancer, birth defects or reproductive harm. For more information, go
to <https://www.p65warnings.ca.gov>

**CGA Dust Covers and
Thread Protectors**



Reusable Dust Cap with Strap



CGA 320
Dust Cap – Yellow
Pt # PM-C12-YPK1000
Pt # PM-C12-YPK100



CGA 320
Dust Cap – Dark Green
Pt # PM-C12-GRP1000
Pt # PM-C12-GRP100



CGA 320
Dust Cap – Red
Pt # PM-C12-RPK1000
Pt # PM-C12-RPK100



CGA 320
Dust Cap – Blue
Pt # PM-C12-BPK1000
Pt # PM-C12-BPK100

Present **Coupon # FL23-12** when ordering.*

One coupon to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial
selling price.

– Coupon –

10% OFF

– Coupon –

10% OFF

**Tamper
Evident
CGA
Dust
Cap**

*Tamper evident
seal fits most
male and
female CGA
cylinder valves.
Patented
Product.*



Green Tamper Evident CGA Dust Cap

Part #	Description
HP-WQP540	Tamper Evident CGA540 Dust Plug, Green

Present **Coupon # FL23-12** when ordering.*
One coupon to a location.

Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer.
Promotion Discount based on standard industrial
selling price.

**Heavy Duty Magnetic
Temperature Gauge
for Steel
Cylinders**

Also available –
Accessories for
Aluminum Cylinders

**Certified Heavy
Duty Magnetic
Temperature
Gauges**

Pt # GT-CHDM2



– Coupon –

PROMO

\$173.85

Present **Coupon # FL23-12** when
ordering.* One coupon to a location.
Starts 12/19/23 Expires 2/27/2024.

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on standard industrial selling price.

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State of California to cause cancer, birth defects or
reproductive harm. For more information, go to
<https://www.p65warnings.ca.gov>

SALES PROMOS & COUPONS

Start Date December 19, 2023 - February 27, 2024

To find more information on

Dust Covers and Valve Seals

see **Section 9A**

online

Digital Catalog

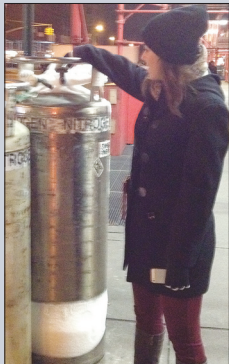
WWW.ratermannonlinecatalog.com



Dewar Valves and Regulator Lockout

- Coupon -

20% OFF



See tanks on street purging electrical and phone lines? Anyone can open valves of LN2 Dewars!

For more info, call Ratermann Mfg., Inc. at **1-800-264-7793** or online at www.rmiororder.com.



Pt # DEW-TLO

Present **Coupon # FL23-12** when ordering.*

One coupon to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

⚠ WARNING: Products in this catalog can expose you to chemicals including Lead which is known to the State of California to cause cancer, birth defects or reproductive harm. For more information, go to <https://www.p65warnings.ca.gov>

FastTest®
Compressed Gas Products

Quick Fill Tool

for

**Oxygen
540 Bail or
580 Bail**

Easy Connecting and Disconnecting from Cylinder

The One, Two Easy way to fill Industrial Gas Cylinders.

The One, Two Solution for increased production of assembly line filling with safety and increased profits.



- Coupon -

**Quick Fill Tool
Oxygen 540 Bail
or 580 Bail**

10% OFF

Present **Coupon # FL23-12** when ordering.* One coupon to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

Industrial FastTest® Fill Tool Standard Part #'s

QFT-540	Quick-Fill Valve, CGA540 Industrial – Oxygen
QFT-580	Quick-Fill Valve, CGA580 Industrial – Inert
QFT-RPV-580	Quick Fill Valve, CGA580 RPV Style w/ #2 Handle Standard

⚠ WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov

50% OFF

- Coupon -

Plate Charge

**Custom Imprint
Cylinder Status Tags**

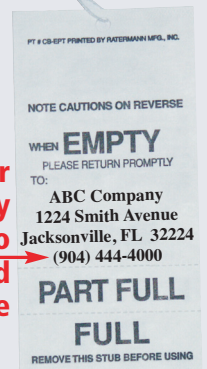
Plate & Art Charges Apply

Part #	Description
CB-EPT-C	Economy Paper Status Tags with String Tie
CB-1EPTI-C	Economy Paper Status Tags with Elastic Tie

Present **Coupon # FL23-12** when ordering.* One coupon to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

**Your
Company
Info
Imprinted
Here**



String Tie
Pt # CB-EPT-C

CGA CONNECTIONS, CRYOVENT, QUICK CONNECTION TOOL

Standard Field Replacement Parts / Bail Handle Connectors / Lever Handle

FasTest Replacement Seals

Gas connector standard replacement parts listed in this section are available for field replacement. FasTest does not offer any further replacement components as special tools. Handling precautions may be required. Due to the high pressure of compressed gas filling, as well as the Oxygen cleaning requirements of specific CGA standards, FasTest requires you to return gas connector products for maintenance and repair. Specific CGA standards require O2 cleaning before being returned to field service.

Please contact Ratermann Mfg., Inc. for additional info.

FasTest® Replacement Seals

Connector	Part #	Description	Pack of
QF-H870	QF-H870SPK5	Replacement Seals, Viton	Pack of 5
	QF-H870SPK100	Replacement Seals, Viton	Pack of 100
	QF-H870SPK250	Replacement Seals, Viton	Pack of 250
QFT-540	QFT-540SPK5	Replacement Main Seals, Viton	Pack of 5
	QFT-540SPK100	Replacement Main Seals, Viton	Pack of 100
	QFT-540SPK250	Replacement Main Seals, Viton	Pack of 250
	QFT-540ESPK5	Replacement Main Seals, EPDM	Pack of 5
	QFT-540ESPK100	Replacement Main Seals, EPDM	Pack of 100
	QFT-540ESPK250	Replacement Main Seals, EPDM	Pack of 250
QFT-580	QFT-580ESPK5	Replacement Main Seals, EPDM	Pack of 5
	QFT-580ESPK100	Replacement Main Seals, EPDM	Pack of 100
	QFT-580ESPK250	Replacement Main Seals, EPDM	Pack of 250
QFT-RPV-580	QFT-RPV-580ESPK5	Replacement Main Seals, EPDM	Pack of 5
	QFT-RPV-580ESPK100	Replacement Main Seals, EPDM	Pack of 100
	QFT-RPV-580ESPK250	Replacement Main Seals, EPDM	Pack of 250
	QFT-RPV-580-RT	Pin Retraction Tool	
	QFT-RPV-580-PN	Replacement Pin and Nut	
	QFT-RPV-580-PINPK5	Replacement Pins	Pack of 5
QFT-MED540F	QFT-540SPK5	Replacement Seals, Viton	Pack of 5
	QFT-540SPK100	Replacement Seals, Viton	Pack of 100
	QFT-540SPK250	Replacement Seals, Viton	Pack of 250
QFT-MED540M	QFT-540SPK5	Replacement Seals, Viton	Pack of 5
	QFT-540SPK100	Replacement Seals, Viton	Pack of 100
	QFT-540SPK250	Replacement Seals, Viton	Pack of 250
QF-VC	QF-UMSEAL	Replacement Main Seal	Pack of 1
QF-VAF	QF-USSET	Replacement Seal Set	Pack of 1
QF-VAM	QF-USSET	Replacement Seal Set	Pack of 1



Flexible Bail Handle Connectors

Key Features

- Designed for use with one gloved hand
- Available in CGA540, CGA580, and CGA346
- Ideal for restricted clearance of 6 and 12-cylinder pack
- Two active locking mechanisms
- Two Flexible Bail Sizes Available: #1 (14") & #4 (21")

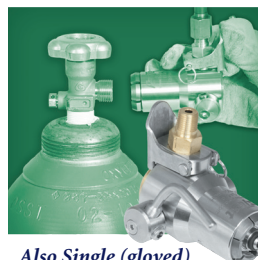
Flexible Bail Handle Connectors

Part #	Description	Handle
QFT-540-F1	CGA540 14" size	#1 Handle
QFT-540-F4	CGA540 21" size	#4 Handle
QFT-580-F1	CGA580 14" size	#1 Handle
QFT-580-F4	CGA580 21" size	#4 Handle
QFT-346-F1	CGA346 14" size	#1 Handle
QFT-346-F4	CGA346 21" size	#4 Handle

These handles allow for easier connector use when clearance is limited to operate the connector. Examples of these are with six and twelve cylinder packs where the protective cover prevents connectors with standard handles from operating.

WARNING: These products contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov

FasTest Connectors Lever Handle



Key Features

- Robust connector eliminates common failures
- Available in CGA-540, CGA-580, CGA-590 & CGA-346
- Fast, smooth operation
- Two stage safety
- Designed for use w/small diameter (20-80 cf) cylinders

Also Single (gloved) hand operation

Part #	Level Style Handle Description
QFT-346-LH	CGA346 Industrial - Breathing Air, Lever Handle
QFT-540-LH	CGA540 Industrial - Oxygen, Lever Handle
QFT-580-LH	CGA580 Industrial - Inert, Lever Handle
QFT-RPV-540-LH	CGA540 Industrial - Oxygen, RPV Style, Lever Handle
QFT-RPV-580-LH	CGA580 Industrial - Inert, RPV Style, Lever Handle

WARNING: These products contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov

- Coupon -
All FasTest Replacement Seals

10% OFF

Present **Coupon # FL23-12** when ordering.* One coupon to a location. Starts 12/19/23 Expires 2/27/2024. *Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

FasTest **FasTest CryoVent**

Simple Sleeve Actuation Connector for Venting Gases

WARNING: These products contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov



Pt # QFCV-M34

Improve Safety & Reduce Noise

New Quick Connection Tool for Specialty Gas Filling

High Purity G-Series

New High Purity G-Series for specialty gas cylinder filling

- Re-designed internal geometry improves vacuum rating to reliably fill high purity gas cylinders
- Change out cylinders 90% faster than twist-on fittings
- Change out cylinders 90% faster than twist-on fittings



Pt # QFT-HP580

Produce an Extra Batch per Day!

WARNING: These products contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov

SALES PROMOS & COUPONS

Start Date December 19, 2023 - February 27, 2024

100% OXYGEN COMPATIBLE

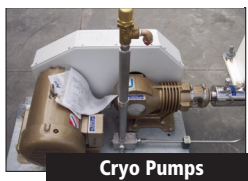
KRYTOX™ LUBRICANTS

For All Your Oil, Grease & Cleaner Needs



Non-Flammable Non-Migrating

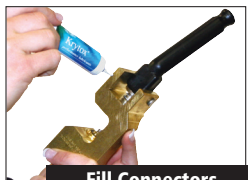
- Seals & Gaskets
- O-Rings
- Regulators
- Cryogenic Pumps
- Quick Connect Fill Tools
- Casters
- Cylinder Valve Stems
- Vacuum Pump Oils



Cryo Pumps



Valves



Fill Connectors

*Call us to get the
right product for
your application!*

– Coupon – Krytox™ Lubricants

5% OFF

Present **Coupon # FL23-12**
when ordering.*
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Starts 12/19/23
Expires 2/27/2024.

*Coupon not combinable with any
other offer. Promotion Discount
based on standard industrial
selling price.

⚠ **WARNING:** Cancer & Reproductive Harm – www.P65Warnings.ca.gov.
For further information on Proposition 65, please go to
www.oehha.ca.gov/proposition-65

– Coupon –

20% OFF

Screens & Felts for Acetylene Cylinders



Part #	For Mc & B Acetylene
SC-38PK100	3/8" Screen Package of 100
F-38PK100	3/8" Felt Package of 100
Part #	For Medium Sized Acetylene
SC-34PK100	3/4" Screen Package of 100
F-34PK100	3/4" Felt Package of 100
Part #	For Large Sized Acetylene
SC-1PK100	1" Screen Package of 100
F-1PK100	1" Felt Package of 100

Present **Coupon
FL23-12** when
ordering.*
One coupon to a location.
Starts 12/19/23
Expires 2/27/2024.

*Coupon not combinable
with any other offer.
Promotion Discount
based on standard
industrial selling price.

– Coupon – 50% OFF Plate Charge

Large Status Tags

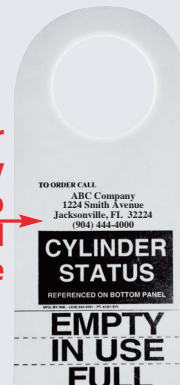
Plate & Art Charges Apply

Part #	Description
CB-C1EFI	Large Cylinder Status Tag
CB-ACT-C	Large Cylinder Status Tag with Slits

Present **Coupon # FL23-12** when ordering.* One coupon
to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion
Discount based on standard industrial selling price.

Your
Company
Info
Imprinted
Here



Large Status
Tags

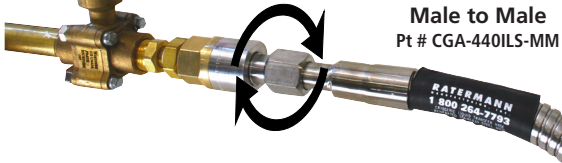
Pt # CB-C1EFI

SALES PROMOS & COUPONS

Start Date December 19, 2023 - February 27, 2024

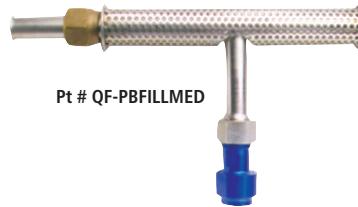
Cryogenic Swivel Hose Adapter

Helps keep cryogenic hose from kinking up and make aligned fill tools to connect to fitting easier by not having to work against the hose tension.



Male to Male
Pt # CGA-440ILS-MM

P.B. Fill Adapter Assembly

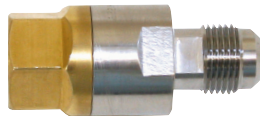


Pt # QF-PBFILLMED

For PB Fill Tool use Male to Male to Connect to Hose

Pt # CGA-440ILS-MM

Cryogenic In-line Swivel Assembly for CGA-440 Oxygen



Female to Male
Pt # CGA-440ILS-FM

Also Available Male to Male

Pt # CGA-440ILS-MM

- Coupon -

10% OFF

Present **Coupon # FL23-12** when ordering.*
One coupon to a location.
Starts 12/19/23
Expires 2/27/2024.

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The LPR Valve Stops the POP!

Reduces Noise from Pressure Reliefs –
Only for Dewar Liquid Applications

Custom Pressure Settings Also Available



To Order –
1/4" NPT 22 - 500 Psig

Pressure Setting	Part # each	Part # Package of 10
22 PSI	LPR-22	LPR-22-PK10
35 PSI	LPR-35	N/A
50 PSI	LPR-50	N/A
75 PSI	LPR-75	N/A
100 PSI	LPR-100	N/A
125 PSI	LPR-125	N/A
150 PSI	LPR-150	N/A
175 PSI	LPR-175	N/A
200 PSI	LPR-200	N/A
230 PSI	LPR-230	LPR-230-PK10
235 PSI	LPR-235	LPR-235-PK10
350 PSI	LPR-350	LPR-350-PK10
375 PSI	LPR-375	N/A
400 PSI	LPR-400	N/A
425 PSI	LPR-425	N/A
450 PSI	LPR-450	N/A
500 PSI	LPR-500	N/A

- Coupon -
BUY 10 or MORE
LPR Pressure Reliefs
Receive a **FREE** Bottle of
Pt # LC-80Z
Valve Leak Check



Pt #
LC-80Z

Present **Coupon # FL23-12** when ordering.* One coupon to a location.
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- Coupon -

Cylinder Valve Air Tool

5% OFF

Open Close Valves Fast

Designed for
Fill Plants
Filling – Oxygen
Oilless Air Tool

CALL for a Demo

Inline Tool Features

- Faster Rundowns Than Ratchet Wrenches
- No Vibration
- Improved Operator Ergonomics
- Engineered Torque Control
- Tool Shutoff – Opening & Closing
- Lubrication Free Air Motor

Cylinder Valve Pneumatic Air Tool

Part #	Description
PNTL-IL-MED	Pneumatic Air Tool, Inline, Torque Pre-Set for Med Post Valve Use
PNTL-IL-HW	Pneumatic Air Tool, Inline, Torque Pre-Set for Handwheel Use

Present **Coupon # FL23-12** when ordering.*
One coupon to a location.
Starts 12/19/23 Expires 2/27/2024.

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*Photo shown with optional valve sockets.

VALVE LEAK CHECK

Oxygen Safe

Find your Leaks Fast & Easily with the Extending Tube to Get in the Hard to Reach Areas



Ratermann's Valve Leak Check is ready to use! Formats available in 8 oz. bottles, 1 gallon, and 55 gallon drums.

The 8 oz. Squeeze Bottle comes with a 12" Pull Out Adjustable Extension Tube in each bottle to Deliver Leak Check Solution Where you Need it.

Pressure Test

It is very important to leak check hoses on a regular basis. Often, this test is conducted while the hose is attached to the fill manifold and under pressure. The best gas to use for a leak check (and most expensive) is helium. Helium works well because the helium molecule is very small. As a result, helium will find a leak better than most other gases. Keep in mind that this can get a little spendy, so other inert gases can be substituted. We do not recommend compressed air or any other gas that could contain impurities.

Specifications

- Does not contain mineral oil, vegetable oil, animal oil, fats, ketones, aldehydes, or alcohols as components in the formulation. (Our latest formulation has also phased out fluorsurfactants.)
- Does not contain any material that will act as primary skin irritants, skin sensitizers, or produce any other dermatosis.
- Does not possess or produce any objectionable odors. The threshold odor number will be a maximum of 1 with a maximum odor intensity index of 0.
- Has a pH between 6.5 and 7.5.
- Passes and surpasses Mil-Pref foam tests (minimum 130 mm foam height after 5 min)
- Has a residue below .5% by mass.
- Will not support mold growth within the product shelf life (5 years from day of manufacture)
- The formula has also undergone and passed halogen testing (ASME section V, Article 6, T-641, ASTM).



Checking cylinder valves for leaks.

- Coupon -
Pt # LC-1GAL
SPECIAL PRICE

4 each +
\$29⁵⁰

24 each +
\$24⁹⁵

Present **Coupon # FL23-12** when ordering.*
One coupon to a location.
Starts 12/19/23 Expires 2/27/2024.

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Promotion Discount based on standard industrial selling price.

**Our
Premiere Leak
Check**



Pt # LC-8OZ

Pt # LC-1GAL

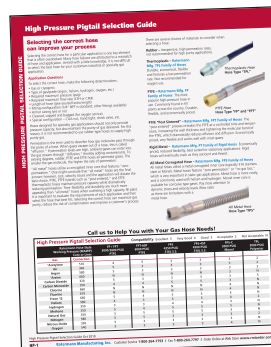
Part #	Description	Size
LC-8OZ	Leak Check Squeeze Bottle	8 oz.
LC-1GAL	Leak Check - 4 to a case	1 Gallon
LC-55GAL	Leak Check - Drum	55 Gallon

FIND LEAKS FAST!

- Ratermann Leak Check is designed to quickly identify leaks on contact.
- Works well with small molecule gases – Helium & Hydrogen
- Reduce product loss – find those leaks fast... and eliminate them
- Designed to detect compressed gas leaks.



Hose Visual Inspections



Remember...
"the time to replace worn hose, is before it fails."

Email
sales@rmimfg.com
to Receive a
FREE copy of
Hose
Maintenance
and
Selection Chart.

CUSTOM GAS PIPE MARKERS & PLACARDS

Gas Pipe Markers



For Pipes 2-1/2" to 6" Outside Diameter use

Style 14

2.25" x 12"



Letter height for
Style 14 is
1.5"-2" tall.

For Pipes 8" to 10" Outside Diameter use

Style 16

3" x 24"



Letter height for Style 16 is 2 1/2" tall.

For Pipes 1-1/2" to 2" Outside Diameter use

Style 15

1.125" x 8"

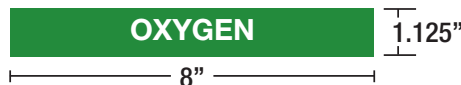


Letter height for
Style 15 is
3/4" tall.

For Pipes 3/4" to 1-1/4" Outside Diameter use

Style 17

1.125" x 8"



Letter height for
Style 17 is
1/2" tall.

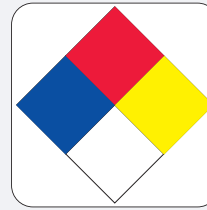
Gas Service	Colors	Style 14 2.25" x 12"	Style 16 3" x 24"
Argon	Brown/White Print	PML-AR-14	PML-AR-16
Carbon Dioxide	Gray/White Print	PML-CO2-14	PML-CO2-16
Oxygen	Green/White Print	PML-OX-14	PML-OX-16
Nitrogen	Black/White Print	PML-N-14	PML-N-16
Liquid	Blue/White Print	PML-LIQUID-14	PML-LIQUID-16

Gas Service	Colors	Style 15 1.125" x 8"	Style 17 1.125" x 8"
Argon	Brown/White Print	PML-AR-15	PML-AR-17
Carbon Dioxide	Gray/White Print	PML-CO2-15	PML-CO2-17
Oxygen	Green/White Print	PML-OX-15	PML-OX-17
Nitrogen	Black/White Print	PML-N-15	PML-N-17
Liquid	Blue/White Print	PML-LIQUID-15	PML-LIQUID-17

CUSTOM PRINT AVAILABLE
Call for Information

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

NFPA Diamond Placards



Example of
Assembled
Acetylene
Dissolved



Example of
Assembled
Oxygen
Refrigerated

NFPA Diamond Placards – 10" x 10"*

Distance at which signals must be legible is 200 feet.

Part #	Description
PLK-NFPA-ALM-10	Blank NFPA Diamond Sign – Aluminum 10" x 10"
PLK-NFPA-RP-10	Blank NFPA Diamond Sign – Rigid Plastic 10" x 10"
PLK-NFPA-KIT10	NFPA Numbering Kit

* Number and Symbol sold separately.

Part #	Description
4" Numbers	PLK-NFPA-4-0 0
2" Symbols	PLK-NFPA-4-1 1
Required	PLK-NFPA-4-2 2
with	PLK-NFPA-4-3 3
10" x 10"	PLK-NFPA-4-4 4
Placard	PLK-NFPA-2-RAD ☢ – Radiation Hazard
Each sold	PLK-NFPA-2-ACID ACID – Acid
separately.	PLK-NFPA-2-ALK ALK – Alkali
Vinyl	PLK-NFPA-2-COR COR – Corrosive
adhesive	PLK-NFPA-2-OX OX – Oxidizer
	PLK-NFPA-2-NOH20 W – Use No Water

NFPA Diamond Placards – 15" x 15"*

Distance at which signals must be legible is 300 feet.

Part #	Description
PLK-NFPA-ALM-15	Blank NFPA Diamond Sign – Aluminum 15" x 15"
PLK-NFPA-RP-15	Blank NFPA Diamond Sign – Rigid Plastic 15" x 15"
PLK-NFPA-KIT15	NFPA Numbering Kit

* Number and Symbol sold separately.

Part #	Description
6" Numbers	PLK-NFPA-6-0 0
4" Symbols	PLK-NFPA-6-1 1
Required	PLK-NFPA-6-2 2
with	PLK-NFPA-6-3 3
15" x 15"	PLK-NFPA-6-4 4
Placard	PLK-NFPA-4-RAD ☢ – Radiation Hazard
Each sold	PLK-NFPA-4-ACID ACID – Acid
separately.	PLK-NFPA-4-ALK ALK – Alkali
Vinyl	PLK-NFPA-4-COR COR – Corrosive
adhesive	PLK-NFPA-4-OX OX – Oxidizer
	PLK-NFPA-4-NOH20 W – Use No Water

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

PROPANE TANK EQUIPMENT

Parts and Safety

LPG Tank Equipment Parts

Internal Pressure Relief Valves for DOT Forklift Cylinders

Designed specifically for use as primary relief valve on fork-lift cylinders.

Pt # CVG-66-0248



Forklift Connectors

These brass connectors are designed to join the carburetor fuel line to the service valve.



Pt # CVG-66-1024

Fill Valve 3/4"



Pt # CVG-66-1122

Propane Cap for Fast Fill Connector with Strap



Pt # PC-FFS

Service Valves for DOT Fork-lift and ASME Motor Fuel Containers



Fixed Liquid Level Gauges



Pt # CVG-66-1072

Pt # CVG-80-2064

WARNING: Products in this catalog can expose you to chemicals including Lead which is known to the State of California to cause cancer, birth defects or reproductive harm. For more information, go to <https://www.p65warnings.ca.gov>

PROPANE - Coupon -

Part #	Description	Box Qty.	Box Qty. Promo Price
CVG-66-0248	Fork Lift PRV 3/4" @ 375 PSI	75	\$11.38/ea.
CVG-66-1024	Fork Lift Connector, Male	50	\$11.07/ea.
CVG-66-1072	Fork Lift Liquid Level Gauge	210	\$ 5.35/ea.
CVG-66-1122	Fill Valve 3/4"	50	\$18.64/ea.
CVG-80-2064	Fork Lift Service Valve	35	\$16.06/ea.

Part #	Description	Promo Price
PC-FFS-PK10	Fill Cap ACME 1-3/4", Pack 10	\$ 19.73
PC-FFS-PK100	Fill Cap ACME 1-3/4", Pack 100	\$164.48

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LPG Tank Safety and Branding Propane Tank Labels

Liquid Petroleum/Propane Information Labels with NFPA Diamond

PETROLEUM GASES, LIQUEFIED



UN1075

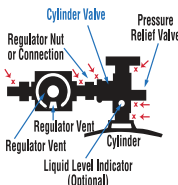
DANGER: EXTREMELY FLAMMABLE GAS. CONTAINS GAS UNDER PRESSURE. MAY EXPLODE IF HEATED. MAY DISPLACE OXYGEN AND CAUSE RAPID SUFFOCATION. MAY FORM EXPLOSIVE MIXTURES WITH AIR. MAY CAUSE FROSTBITE. Do not handle until all safety precautions have been read and understood. Keep away from heat, open flames, sparks, hot surfaces. - No smoking. Use and store only outdoors or in a well-ventilated place. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Use a back flow preventive device in the piping. Do not open valve until connected to equipment prepared for use. Close valve after each use and when empty. Never put cylinders into unventilated areas of passenger vehicles. Protect from sunlight when ambient temperature exceeds 52°C (125°F). Read and follow the Safety Data Sheet (SDS) before use. **FIRST AID: IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention. **IF ON SKIN:** Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention.

CAS: Propane 74-98-6
Liquefied Petroleum Gas: 684-76-85-7

DO NOT REMOVE THIS PRODUCT LABEL.

WARNING! FLAMMABLE COMPRESSED GAS
Know the odor of LP-Gas. Leaks may cause fires and explosions.

WHEN YOU CONNECT THE CYLINDER



DO NOT ATTEMPT REPAIRS. CALL YOUR LP-GAS DEALER

THIS LP TANK IS EQUIPPED WITH A SAFETY RELIEF VALVE. DO NOT PLACE INSIDE ANY ENCLOSED OR HEATED AREA.

WHEN CONNECTING FOR USE:

• Use only in compliance with applicable codes.
• Read and follow appliance manufacturers instructions. • If regulator has a coupling nut, the nut has left hand threads and must be tightened. If regulator has a plug in connection, pull ring back; insert fully and release ring. Be sure regulator vent is pointed down. • Turn off all valves on the appliance. • Do not check for gas leaks with a match or open flame. To check for leaks open the cylinder valve and apply soapy water at areas marked X. If bubbles appear, close valve and have LP-gas service person make needed repairs. Also, check pressure relief valves for leakage before lighting appliance. • Light appliance(s) following manufacturers instructions. • When appliance is not in use, keep cylinder valve closed.

ADDITIONAL WARNING TO USER:

• Know the odor of LP-gas. Under certain circumstances you may not be able to smell the odorant. If you hear or smell leaking LP-gas shut off cylinder valve. If leaking continues, immediately get everyone away from the cylinder and call the fire department. • LP-gas is heavier than air and will settle in low places while dissipating. • Contact with the liquid contents of this cylinder will cause freeze burns to the skin. • Do not allow children to tamper or play with this cylinder. • When not connected for use, keep cylinder valve turned off and for 45 lb. propane capacity or less, plug or cap the valve outlet. • Do not use, store or transport cylinder where it would be exposed to high temperatures. Relief valve may open allowing LP-gas to escape. • When transporting, keep cylinder in an upright position with cylinder valve turned off, and plugged and capped, if so equipped.

PROPANE

NFPA HAZARD RATING

♦ FIRE HAZARD	♦ EXTREMELY FLAMMABLE GAS • Heavier than Air
♦ HEALTH HAZARD REACTIVITY	♦ SIMPLE ASPHYXIAN • Odorized to warn of its presence
♦ 4-Severe	♦ CONTACT WITH LIQUID WILL CAUSE FREEZING OF TISSUE
♦ 3-Serious	♦ P.E.L. 1000 PPM • Store container outside and keep cool (under 130° F.)
♦ 2-Moderate	♦ Turn off container valve when not in use.
♦ 1-Slight	
♦ 0-Minimal	

PERSONAL PROTECTION



CONSULT CORRESPONDING MSDS FOR FURTHER INFORMATION AND INSTRUCTIONS
AFFIX TO ALL PORTABLE CONTAINERS USED BY COMMERCIAL CUSTOMERS

reliably
RATERMANN

labels@rmimfg.com
1-800-264-7793

601 Pinnacle Pl., Livermore, CA 94550

For additional Propane Safety Labels with Your Custom Print Information call **1.800.264.7793**

Your Logo and Company Information Here

MEDICAL DUST COVERS & VALVE SEALS

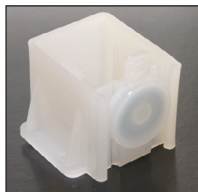
Fast and Easy Push-On Design

Dust Covers with Updated Design

Universal – Works on Different Gas Types Works on All Brand Post Valves

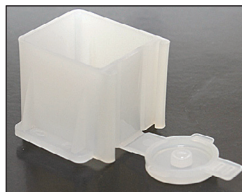
DUST COVER FEATURES

- Time-saving Pre-loaded Seal
- Fast Push-on Design
- **Eliminates any interference with the burst disc on the post valve**
- Secured to valve
- Utilizes valve outlet rather than the pin index holes making it universal for use on medical oxygen, nitrous oxide and carbon dioxide
- Has more pronounced side flanges, providing increased leverage for easier installation



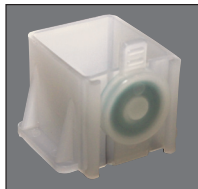
Pre-loaded Seal Dust Cover

Pt # MPS-MCDM



Loadable Seal Dust Cover

Pt # MPS-DM



Pre-loaded with Green Seal Dust Cover

Pt # MPS-MCDM-G



Easy Finger Pull Tab Dust Cover

Pt # MPS-2DM



Pt # MC-1



Pt # MC-G1

Dust Cover and Medical Dust Cover Choices

Part #	Description	Pack of 100	Pack of 1000
MPS-2DM	Dust Cover, Push-On, Clear without Seal Holder	MPS-2DMPK100	MPS-2DMPK1000
MPS-DM	Medical New Dust Cover, Push-On, Clear with Seal Holder	MPS-DMPK100	MPS-DMPK1000
MPS-MCDM	Medical New Dust Cover, Push-On, Clear with Seal Holder & Pre-loaded MC-1 Seal Included	MPS-MCDMPK100	MPS-MCDMPK1000
MPS-MCDM-G	Medical New Dust Cover, Push-On, Clear with Seal Holder & Pre-loaded with Green MC-1 Seal Included	MPS-MCDM-GPK100	MPS-MCDM-GPK1000

Seals for Medical Oxygen

Part #	Description	Pack of 100	Pack of 1000
MC-1	Gray Washer	MC-1PK100	MC-1PK1000
MC-G1	Green Washer	MC-G1PK100	MC-G1PK1000

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Easy Finger Pull Tab Dust Cover

RECEIVE FREE

Sample Pack of Dust Covers & Seals

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*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

Medical Reusable Seal MOST COMMON

The MC-3 is brass with a Viton center, and is reusable. It should last the life of the regulator, as long as it is not damaged or overtightened.

Small Seal
Pt # MC-3



Medical Reusable Seal

Description	Part # for Pkg. of 10	Part # for Pkg. of 100
Reusable Seal	(Pt # MC-3PK10)	MC-3PK100

WARNING: Products in this catalog can expose you to chemicals including lead which is known to the State of California to cause cancer, birth defects or reproductive harm. For more information, go to <https://www.p65warnings.ca.gov>

Seals for Filling CO2 Tanks

– **Coupon –**

10% OFF



Grip-Nut 103N
Part # CC1-NUT



Stems – 103 SF
2 1/2" - 1/4" pipe
Part # CC1-STEM



O-Ring for CC1-STEM
Part # CC1-STEM-OR



Seals – Permanent ABC Units
Part # CC-1



Economy Seal
Part # CC-P1

Present **Coupon # FL23-12** when ordering.* One coupon to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

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Pt # CRS-C6PK-H6



16 Cradle
Pallet Paks
Pt # CRS-FL16PK



12 Pack Cradle
Four Corner Caster
Pt # CRS-C12PK



-≠6 Pack Cradle 6 Casters H-Style Top*

Part #	Description
CRS-C6PK-H6-346FP-xx-CI	CGA 346 Air w/ Flex Pigtails
CRS-C6PK-H6-540FP-xx-CI	CGA 540 Oxygen w/ Flex Pigtails
CRS-C6PK-H6-580FP-xx-CI	CGA 580 Argon/Nitrogen w/ Flex Pigtails
CRS-C6PK-H6-580RG-xx-CI	CGA 580 Helium/Nitrogen/Argon w/ Rigid Pigtails
CRS-C6PK-H6-350RG-xx-CI	CGA 350 Hydrogen w/ Rigid Pigtails

Replace "xx" with color code

Ordering Information – Paint Color Choices

Black (Leave Blank), Gray (-GY), Yellow (-YW), Orange (-OR), Red (-RD), Blue (-BL), Green (-GR)

16 Cradle Pallet Packs*

Part # Powder Coated	Description
CRS-FL16PK-346FP-xx-CI	16 Forklift CGA 346 Air with Flex Pigtail
CRS-FL16PK-540FP-xx-CI	16 Forklift CGA 540 Oxygen with Flex Pigtail
CRS-FL16PK-580FP-xx-CI	16 Forklift CGA 580 Argon, Nitrogen with Flex Pigtail
CRS-FL16PK-580RG-xx-CI	16 Forklift CGA 580 Helium, Nitrogen, Argon, w/ Rigid Pigtails
CRS-FL16PK-350RG-xx-CI	16 Forklift CGA 350 Hydrogen with Rigid Pigtails

Replace "xx" with color code

12 Pack Cradle*

Part # Powder Coated	On Casters	Description
CRS-C12PK-346FP-xx-CI	On Casters	CGA 346 Air w/ Flex Pigtail
CRS-C12PK-540FP-xx-CI	On Casters	CGA 540 Oxygen w/ Flex Pigtail
CRS-C12PK-580FP-xx-CI	On Casters	CGA 580 Argon, Nitrogen w/ Flex Pigtail
CRS-C12PK-580RG-xx-CI	On Casters	CGA 580 Helium, Nitrogen, Argon w/ Rigid Pigtails
CRS-C12PK-350RG-xx-CI	On Casters	CGA 350 Hydrogen w/ Rigid Pigtails

Replace "xx" with color code

Rigid and TSCZEL Pigtails are also available.

To order replace "FP" in the part number with "RG" for Rigid or "TZ" for TSCZEL

Ordering Information – Paint Color Choices

Black (Leave Blank), Gray (-GY), Yellow (-YW), Orange (-OR), Red (-RD), Blue (-BL), Green (-GR)

⚠ WARNING: Products in this catalog can expose you to chemicals including Lead which is known to the State of California to cause cancer, birth defects or reproductive harm. For more information, go to <https://www.p65warnings.ca.gov>

Choose Your Color Using Durable Powder Coated Paint for Company Branding or Designating Gas Service

- Standard is Black.
- Additional paint colors available include gray, yellow, orange, red, blue and green.



Gray (-GY)*



Yellow (-YW)*



Orange (-OR)*



Red (-RD)*



Blue (-BL)*



Green (-GR)*

* Steel Surcharge will apply

CRADLE REPLACEMENT MANIFOLDS

for 6, 12 & 16 Pack Cradles

OS Series OS Style Manifolds

Designed for 6 & 12 Cylinder Cradle Manifold Replacement

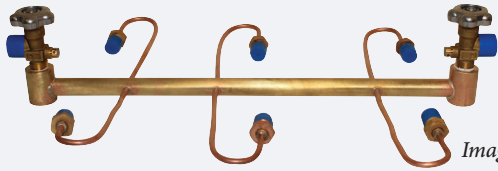


Image of 6 pack manifold

Most
Common
Rigid
Pigtails

6 Pack Replacement Manifold
with Rigid Pigtails

Part #	CGA Fitting	Gas Type
RMC-OS-580-06	CGA 580	Inert
RMC-OS-540-06	CGA 540	Oxygen
RMC-OS-320-06	CGA 320	Carbon Dioxide
RMC-OS-346-06	CGA 346	Air
RMC-OS-350-06	CGA 350	Hydrogen/Methane

Standard Manifold Length 25.625"

12 Pack Replacement Manifold
with Rigid Pigtails

Part #	CGA Fitting	Gas Type
RMC-OS-580-12	CGA 580	Inert
RMC-OS-540-12	CGA 540	Oxygen
RMC-OS-320-12	CGA 320	Carbon Dioxide
RMC-OS-346-12	CGA 346	Air
RMC-OS-350-12	CGA 350	Hydrogen/Methane

Standard Manifold Length 34.625"



– Coupon –

OS Series
OS Style Manifolds

10% OFF

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Starts 12/19/23 Expires 2/27/2024.

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RMI® Parts for HS Series Style for the following cradles:



Photo example of an Used
Cradle Rigid Manifold style

reliably
RATERMANN

**Style Manifolds /SafTCart /
ProRack™ Style / Cage Style Manifolds**

**Designed for 6, 12 & 16 Cylinder
Cradle Manifold Replacement**

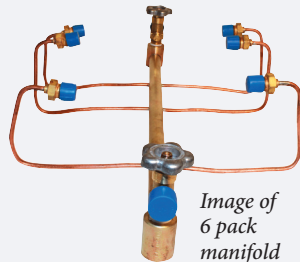


Image of
6 pack
manifold

6 Pack Replacement Manifold with Rigid Pigtails

Part #	CGA Fitting	Gas Type
RMC-HS-580-06	CGA 580	Inert
RMC-HS-540-06	CGA 540	Oxygen
RMC-HS-346-06	CGA 346	Air
RMC-HS-350-06	CGA 350	Hydrogen/Methane

Standard Manifold Length 30.125"

12 Pack Replacement Manifold with Rigid Pigtails

Part #	CGA Fitting	Gas Type
RMC-HS-580-12	CGA 580	Inert
RMC-HS-540-12	CGA 540	Oxygen
RMC-HS-346-12	CGA 346	Air
RMC-HS-350-12	CGA 350	Hydrogen/Methane

Standard Manifold Length 39.375"

Most
Common
Rigid
Pigtails

Manifold Clamp for 3/4" Pipe

For the HS, HSR, and HSS Series.

Pt # RMC-MFLD-CLAMP34

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– Coupon –

HS Series
SafTCart/ProRack™
Style/Cage Style
Manifolds

10% OFF

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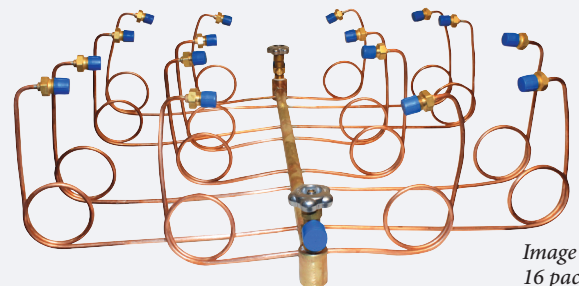


Image of
16 pack
manifold

16 Pack Replacement Manifold with Rigid Pigtails

Part #	CGA Fitting	Gas Type
RMC-HS-580-16	CGA 580	Inert
RMC-HS-540-16	CGA 540	Oxygen
RMC-HS-346-16	CGA 346	Air
RMC-HS-350-16	CGA 350	Hydrogen/Methane

Standard Manifold Length 36.625"

CRADLE REPLACEMENT MANIFOLDS for 6, 12 & 16 Pack Cradles



reliably
RATERMANN

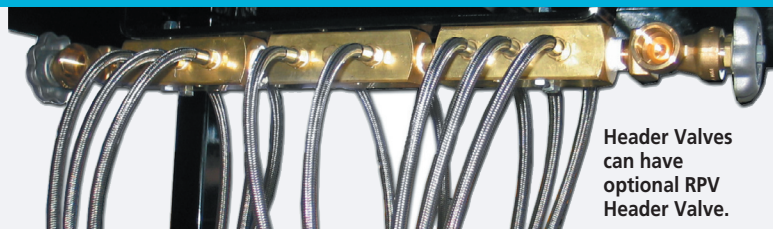
**Shorter Condensed
Manifold with
Setback Valves
Inside Cradle**

**Custom Manifolds
Can Be Made to
Meet Your Needs**

- Copper Rigid
- All Metal Flex Hose and Monel®
- Stainless Steel Rigid

CVE Series Features

- 1 1/2" yellow brass bar stock body
- Flexible, stainless steel PTFE or TSCZEL pigtails standard
- Optional armor guarded flexible or rigid copper pigtails
- Fits Saf-T-Cart style cylinder cradles and most commercially available pallet racks
- Modular design allows for quick easy repairs



Header Valves can have optional RPV Header Valve.

COMES WITH HOSES AND FITTINGS

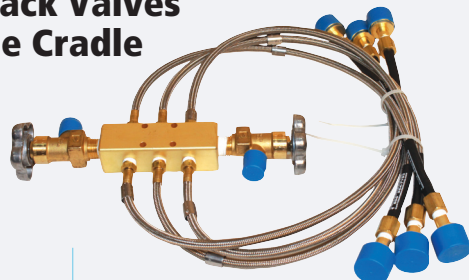


Image of 6 pack manifold



Image of 12 pack manifold

Types of Hoses

PTFE – Ratermann Mfg. FP Family of Hoses

The most popular high-pressure hose in use. Commonly found in fill plants across the country. Durable, flexible, and economically priced.

TSCZEL – Ratermann Mfg. FPZ Family of Hoses

TSCZEL ETFE lined offers 75% less effusion than standard PTFE pigtails. Optional stainless steel armor casing provides additional life, safety and protection. Each assembly is tested to 1 1/2 times MAWP. Branded with MAWP, and month/year.

Not recommended for oxygen service

PTFE "Post Sintered" – Ratermann Mfg. FPT Family of Hoses

The "post sintered" process re-bakes the PTFE at a controlled time and temperature, increasing the wall thickness and tightening the molecular bond of the PTFE, which dramatically reduces effusion and diffusion. Economically priced, very flexible and works well with most gases. Ideal for oxygen.

– Coupon –

**CVE Series
Replacement
Manifolds**

1+ 10% OFF
10+ 20% OFF

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6 Pack Replacement Manifold PTFE Hose

Part #	Description	Type of Gas
RMC-CVE-580-06	CGA 580	Inert
RMC-CVE-540-06	CGA 540	Oxygen
RMC-CVE-346-06	CGA 346	Air

6 Pack Replacement Manifold TSCZEL Hose

RMC-CVE-580TZ-06	CGA 580	Inert
RMC-CVE-540TZ-06	CGA 540	Oxygen
RMC-CVE-346TZ-06	CGA 346	Air

6 Pk Replacement Manifold 3600 PSI Post Sintered Hose

RMC-CVE-580-36-06	CGA 580	Inert
RMC-CVE-540-36-06	CGA 540	Oxygen
RMC-CVE-346-36-06	CGA 346	Air

6 Pack Includes:
6/ea. 24" Pigtails

12 Pack Replacement Manifold PTFE Hose

Part #	Description	Type of Gas
RMC-CVE-580-12	CGA 580	Inert
RMC-CVE-540-12	CGA 540	Oxygen
RMC-CVE-346-12	CGA 346	Air

12 Pack Replacement Manifold TSCZEL Hose

RMC-CVE-580TZ-12	CGA 580	Inert
RMC-CVE-540TZ-12	CGA 540	Oxygen
RMC-CVE-346TZ-12	CGA 346	Air

12 Pack Replacement Manifold 3600 PSI Post Sintered Hose

RMC-CVE-580-36-12	CGA 580	Inert
RMC-CVE-540-36-12	CGA 540	Oxygen
RMC-CVE-346-36-12	CGA 346	Air

12 Pack Includes:
12/ea. 24" Pigtails

16 Pack Replacement Manifold PTFE Hose

Part #	Description	Type of Gas
RMC-CVE-580-16	CGA 580	Inert
RMC-CVE-540-16	CGA 540	Oxygen
RMC-CVE-346-16	CGA 346	Air

16 Pack Replacement Manifold TSCZEL Hose

RMC-CVE-580TZ-16	CGA 580	Inert
RMC-CVE-540TZ-16	CGA 540	Oxygen
RMC-CVE-346TZ-16	CGA 346	Air

16 Pack Replacement Manifold 3600 PSI Post Sintered Hose

RMC-CVE-580-36-16	CGA 580	Inert
RMC-CVE-540-36-16	CGA 540	Oxygen
RMC-CVE-346-36-16	CGA 346	Air

16 Pack Includes:
16/ea. 24" Pigtails

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NEW PRODUCT BI-LOK OXYGEN CLEAN

Oxygen cleaned in-house. Generant is a leading designer and manufacturer of pressure and flow control devices for over 75 years. Generant's standard major product groups include:

- Check Valves
- Relief Valves
- Needle Valves
- Tube Fittings
- Safety Relief Valves
- Thermal Relief Valves
- Cryogenic Instrument Control Valves
- Pressure Regulators



EASTERN STANDARD TIME

SHIPPING UP TO 8PM

NEW EXTENDED HOURS FAST SHIPPING

We can now ship your orders up to 8 PM EST. Expect same-day shipping for in-stock items. Keep Ratermann in mind for urgent end-of-day orders. We have you covered.

sales@rmimfg.com



Quinton Weatherspoon -
Nashville Warehouse Manager



2023 Dec-21

SALES PROMOS & COUPONS

Start Date December 19, 2023 - February 27, 2024

DEWAR PARTS

reliably
RATERMANN

**Easy to Use
Illustration on the Web or
Call Customer Service.**

**Get all the right parts
with a click of a mouse!**



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Inc. All Rights
Reserved.

Non-Custom Imprinted Signs

**\$18.95^{ea}
SIGN**

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Starts 12/19/23
Expires 2/27/2024.

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- Coupon -

Pt#
SP-811



Photo
shown with
Optional
Hook with
M/T, Full
Ring Tags.

Pre-Printed Storage Signs

Part #	Description
SP-810	Empty Pre-Printed Storage Sign 8 1/2" x 11"
SP-811	Full Pre-Printed Storage Sign 8 1/2" x 11"

* One time plate charge applies

- Coupon -

10%^{OFF}

**Liquid Cylinder
Netting**



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Starts 12/19/23 Expires 2/27/2024.

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- Coupon -

**Standard Industrial
Grade Vacuum
Pump Oil**

Ratermann Manufacturing's mechanical vacuum pump fluids are engineered to maximize optimum lubrication while achieving the lowest possible vacuum level with our Fire Resistant vacuum pump fluid.

**PROMO
\$195⁰⁰**



Pt # VP-PUMP1G

for Pt # VP-PUMP1G



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Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

- Coupon -

**High Pressure &
Liquid Cylinder
Label
Adhesive
Remover**



Outstanding results for
removing cylinder label adhesives!

Biodegradable, 100% Organic, Non-Toxic
No Residual After Surface Dries

\$19.95

for Pt # LR-ACS-1QT

Part #	Description
LR-ACS-1QT	1 Quart w/trigger spray
LR-ACS-1GAL	1 Gallon
LR-ACS-5GAL	5 Gallon

* Promo is for Pt # LR-ACS-1QT only

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LISTEN NOW! THE HIGH PRESSURE PODCAST

In the dynamic world of industry, George Ratermann takes the helm with the High Pressure podcast, a captivating platform that shines a spotlight on industry personalities, emerging trends, and cutting-edge technologies. With a knack for insightful conversations, George navigates the intricacies of high-pressure industries, unraveling the stories and expertise of key personalities.

[Watch on YouTube!](#)



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Heather Schmidt - South East
Account Manager



2023 Dec-23

CRYOGENIC HOSES

Vacuum Jacketed Insulated Flexible Cryogenic Hoses

Vacuum Jacketed Hoses – 3/8"

3/8" I.D. CGA 295 x CGA 295



Size	Part Number	Description
3'	VS-38ID36CGA295	3 foot Vacuum Jacketed Hose
4'	VS-38ID48CGA295	4 foot Vacuum Jacketed Hose MOST COMMON
5'	VS-38ID60CGA295	5 foot Vacuum Jacketed Hose
6'	VS-38ID72CGA295	6 foot Vacuum Jacketed Hose MOST COMMON
10'	VS-38ID120CGA295	10 foot Vacuum Jacketed Hose



Vacuum Jacketed Hoses – 1/2"

1/2" I.D. CGA 295 x CGA 295



Size	Part Number	Description
3'	VS-12ID36CGA295	3 foot Vacuum Jacketed Hose
4'	VS-12ID48CGA295	4 foot Vacuum Jacketed Hose
5'	VS-12ID60CGA295	5 foot Vacuum Jacketed Hose
6'	VS-12ID72CGA295	6 foot Vacuum Jacketed Hose MOST COMMON
8'	VS-12ID96CGA295	8 foot Vacuum Jacketed Hose
10'	VS-12ID120CGA295	10 foot Vacuum Jacketed Hose
12'	VS-12ID144CGA295	12 foot Vacuum Jacketed Hose MOST COMMON
15'	VS-12ID180CGA295	15 foot Vacuum Jacketed Hose MOST COMMON
18'	VS-12ID216CGA295	18 foot Vacuum Jacketed Hose MOST COMMON

Vacuum Jacketed Hoses
3/8" I.D. & 1/2" I.D.

- Coupon -
10% OFF

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Power Tool Attachment Cylinder Cap Remover

- Coupon -
10% OFF



Pt # CC-CR38

* Air tool not included

Present **Coupon # FL23-12** when ordering.*
One coupon to a location. Starts 12/19/23 Expires 2/27/2024.
*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

- Coupon -
10% OFF



SHERWOOD
MASTER DISTRIBUTOR

Replacement Safety Reliefs for Sherwood Valves

Replacement fusible plugs also available. Old cap style available upon request. Call Customer Service for details.

Sherwood Replacement Safeties Pt #	S.S. Replacement Safeties Pt #	Industrial Replacement Safety Reliefs
SHW-P625-19N9-28	SHW-P6074S-25A-R	3000 psi – Brass Safety Relief
SHW-P625-19N9-32	SHW-P6074S-25B-R	3360 psi – Brass Safety Relief
SHW-P625-19N9-35	SHW-P6074S-25C-R	3775 psi – Brass Safety Relief
SHW-P625-19N9-38	SHW-P6074S-25D-R	4000 psi – Brass Safety Relief

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WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

Cylinder Siphon Tubes



Pt # CST-C

Stainless Steel siphon tubes are available for higher purity gases.

Call Customer Service for details.

Siphon tubes are constructed from 3/8" type "K" copper tube. Each tube is fitted with a 1/4" male NPT brass fitting for easy attachment to most brass valves on the market today. Standard length is 53" OAL to fit most 250-300 cu. ft. cylinders. All ends are cut at 45° angle to allow for unrestricted flow.

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

Part #	Description
CST-S	Standard Siphon Tube, 53" OAL
CST-C	Standard Siphon Tube, 48" OAL
CST-C26	Standard Siphon Tube, 26" OAL

INDUSTRIAL GAS VALVES

GRPV Series: Residual Pressure Cylinder Valves

CGA 320 Residual Pressure Cylinder Valve		
Part Number	Description	Safety
SHW-GRPV32061-28	3/4" NGT, Tapered Thread, Brass	3000 PSI
SHW-GRPV32061-32	3/4" NGT, Tapered Thread, Brass	3360 PSI
SHW-GRPV32061-35	3/4" NGT, Tapered Thread, Brass	3775 PSI
SHW-GRPV32061-38	3/4" NGT, Tapered Thread, Brass	4000 PSI

CGA 320 Flanged Residual Pressure Valve for Beverage Cylinders		
Part #	Part Description	Description
SHW-GRPV32051-28LX	CGA320 1 1/8UNF 3000 PSI CG1	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-28LX-G54	CGA320 1 1/8UNF 3000 PSI CG1*	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-28LX-75	CGA320 3/4UNF 3000 PSI CG1	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-32LX	CGA320 1 1/8UNF 3360 PSI CG1	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-32LX-G54	CGA320 1 1/8UNF 3360 PSI CG1*	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-32LX-75	CGA320 3/4UNF 3360 PSI CG1	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-35LX	CGA320 1 1/8UNF 3775 PSI CG1	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-35LX-75	CGA320 3/4UNF 3775 PSI CG1	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-38LX	CGA320 1 1/8UNF 4000 PSI CG1	Lexan Hndwhl Residual Pressure
SHW-GRPV32051-38LX-75	CGA320 3/4UNF 4000 PSI CG1	Lexan Hndwhl Residual Pressure

*Rotorex RPV fill adaptor compatible version

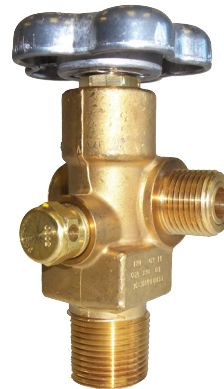
CGA 540 Residual Pressure Cylinder Valve		
Part Number	Description	Safety
SHW-GRPV54061-28	3/4" NGT, Tapered Thread, Brass	3000 PSI
SHW-GRPV54061-32	3/4" NGT, Tapered Thread, Brass	3360 PSI
SHW-GRPV54061-35	3/4" NGT, Tapered Thread, Brass	3775 PSI
SHW-GRPV54061-38	3/4" NGT, Tapered Thread, Brass	4000 PSI

CGA 580 Residual Pressure Cylinder Valve		
Part Number	Description	Safety
SHW-GRPV58061-32	3/4" NGT, Tapered Thread, Brass	3360 PSI
SHW-GRPV58061-35	3/4" NGT, Tapered Thread, Brass	3775 PSI
SHW-GRPV58061-38	3/4" NGT, Tapered Thread, Brass	4000 PSI
SHW-GRPVA58061-32	3/4" NGT, Tapered Thread, Chrome	3360 PSI
SHW-GRPV58061-32-7	3/4" NGT +7 Over Size, Tapered Thread, Brass	3360 PSI
SHW-GRPV58061-35-7	3/4" NGT +7 Over Size, Tapered Thread, Brass	3775 PSI
SHW-GRPV58061-38-7	3/4" NGT +7 Over Size, Tapered Thread, Brass	4000 PSI

⚠ **WARNING:** Cancer and Reproductive Harm – www.P65Warnings.ca.gov



SHERWOOD
MASTER DISTRIBUTOR



Part # SHW-GRPV32061-28



Part # SHW-GRPV54061-32

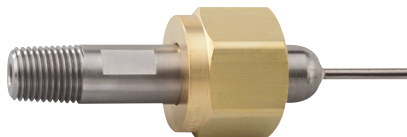


Part # SHW-GRPV58061-38

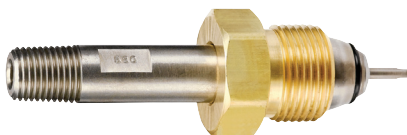
**Call us
today at
800-264-7793
for special
pricing.**

Fill Adapters for the GRPV Series

2 Piece Retractable Pin Adapters



Part # SHW-TLG540S



Part # SHW-TLG580SLW

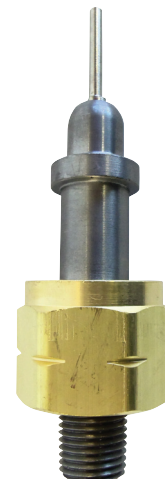
One Piece Adapter With Fixed Pin



Part # SHW-TL590D



Part # SHW-TL580D



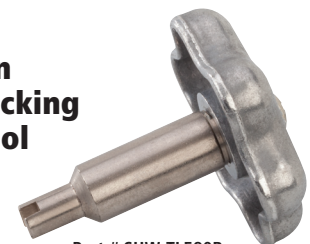
Part # SHW-TLG350S

Checking Rod



Part # SHW-TL580C

Pin Locking Tool



Part # SHW-TL580B

For additional Fill Adapters, call 800-264-7793.

⚠ **WARNING:** Cancer and Reproductive Harm – www.P65Warnings.ca.gov

SALES PROMOS & COUPONS

Start Date December 19, 2023 - February 27, 2024

Aluminum Cylinder Carry Handles

Choose Your Colors



Black (BK)



Blue (B)



Red (RR)



Yellow (Y)



Green (GR)



Orange (O)

Catalina® Style Pt # CCH-AC-BK
AC Style: OD = 3-7/8", ID = 2-3/4"

Luxfer® Style Pt # CCH-AL-BK
AL Style: OD = 3-7/8", ID = 2-1/2"

PROTECTS THE VALVE AND AIDS IN THE TRANSPORTATION OF THE CYLINDER

Plastic Valve Protection Carry Handles are available to fit Catalina® and Luxfer® brand aluminum cylinders. We stock carry handles and retaining rings for both manufacturers cylinders. For 15 and 20 lb. Aluminum cylinders. Can be installed without removing valve.

Note: All colors shown are printed representations. Actual colors may vary.

- Coupon - SPECIAL PRICING

For 15 & 20 lb. Aluminum Cylinders

Part #	Description	10+	100+
CCH-AC-xx	Catalina® Style Carry Handle	4.78	3.90
CCH-AL-xx	Luxfer® Style Carry Handle	4.78	3.90
CCH-AS-xx	Thread On Style Carry Handle	4.00	3.10

Ordering Information:

Replace xx in the part number with the color codes below
Black – BK, Blue – B, Red – RR, Yellow – Y, Green – GR, Orange – O

Present **Coupon # FL23-12** when ordering.*
One coupon to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.



Valve Cap Wrench

• Easily open hard to open caps

Pt # CW-CAP

WOW! SALE

25+ **\$7.66** EACH

\$8.99

EACH

Suggested Retail Price \$12.95

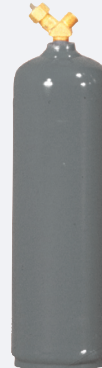


Counter Sales Bucket Included with 25+ purchase

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CGA 510 Valve Plugs



Tamper-Evident Pull Tab Style

Mc Acetylene
CGA 200



Pt # PP-MC



Pt # PP-B

B Acetylene
CGA 520



Master Distributor



SHERWOOD
MASTER DISTRIBUTOR

Buy 50 or More VALVES MIX & MATCH

RECEIVE
Valve Opening Tool
for
\$1.00



Part #
CV-TL

Universal Valve Open & Close Tool
for New & Old Style Valve Hand Wheels

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For more information, go to
<https://www.p65warnings.ca.gov>

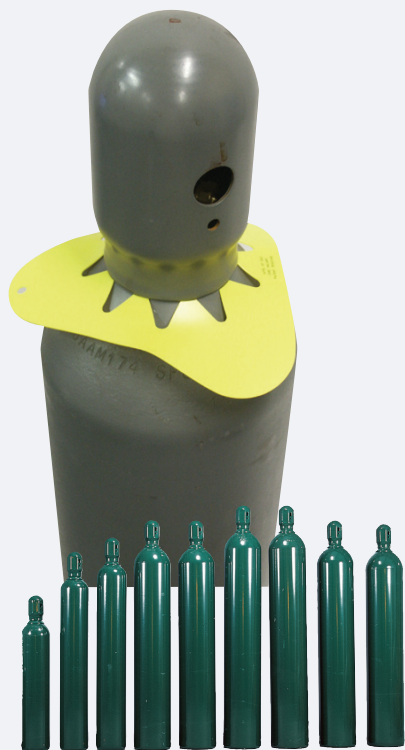
- Coupon - CGA 510 Valve Plugs

20% OFF

Present **Coupon # FL23-12** when ordering.* One coupon to a location.
Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

C1 TRIANGLE CAP STYLE CYLINDER COLLARS



C1 TRIANGLE CAP STYLE CYLINDER COLLARS –

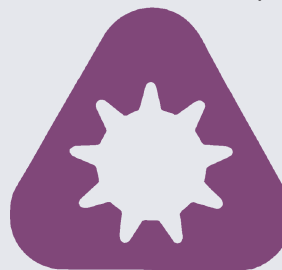
NON-IMPRINTED HIGH PRESSURE CYLINDERS

for 80 cu. ft. through
330 cu. ft. Cylinders
7" Diameter

– Coupon – COLLAR PROMO

49¢ each

Comes in Packs of
50 Collars – \$24.50 a pack



C1 Triangle Style Collars

Present **Coupon # FL23-12** when ordering.*

One coupon to a location. Starts 12/19/23 Expires 2/27/2024.

*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.



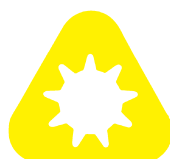
Semi Clear
Part Number
C1-C
C1-CPK50



White
Part Number
C1-W
C1-WPK50



Beige
Part Number
C1-BG
C1-BGPK50



Yellow
Part Number
C1-Y
C1-YPK50



Dark Green
Part Number
C1-DG
C1-DGPK50



Light Blue
Part Number
C1-LB
C1-LBPK50



Blue
Part Number
C1-B
C1-BPK50



Dark Blue
Part Number
C1-DB
C1-DBPK50



Orange
Part Number
C1-O
C1-OPK50



Red
Part Number
C1-R
C1-RPK50



Purple
Part Number
C1-P
C1-PPK50



Brown
Part Number
C1-BR
C1-BRPK50



Gray
Part Number
C1-GY
C1-GYPK50



Black
Part Number
C1-BL
C1-BLPK50

Special Collar Colors are Available



Fluorescent Orange
Part Numbers
C1-FO
C1-FOPK50



Hot Pink
Part Numbers
C1-HP
C1-HPPK50



Lime Green
Part Numbers
C1-LG
C1-LGPK50



Pink
Part Numbers
C1-PK
C1-PKPK50



Gold
Part Numbers
C1-GO
C1-GOPK50



Silver
Part Numbers
C1-SIL
C1-SILPK50



Copper
Part Numbers
C1-CO
C1-COPK50

Please note: All colors shown are printed representations. Actual colors may vary.

CYLINDER COLLARS

Customized Cylinder Management System



Develop a Customized Cylinder Management System for Your Organization

Use for

- Job Sites
- Cylinder Processing

Choose Imprint

1. Choose the Collar Style

2. Choose Collar Color

With same imprint and color ink, you can mix and match different color collars at no extra charge.

3. Choose Imprint for Collar

Light material – dark print
Dark material – light print



Pt # C-1

Color Prefix		Available Collar Colors	
C	W	Special Colors There is an additional Charge of 25¢ for Special Colors per Collar	
BG	Y		
DG	LB		
B	DB		
O	R	FO	HP
P	BR	LG	PK
GY	BL		

Other Type Collars



Pt # C-2



Pt # C-4



Pt # AC-

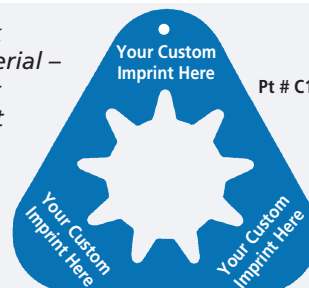
50% OFF PLATE CHARGE

Present **Coupon # FL23-12** when ordering.*

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Dark material – light print



Pt # C1-B-CI

Example of part number

Imprint Style

Part #
C1 - B - CI

Enter Collar Type Here

Enter Color Here

To order, choose color of collar. Use part number listed to specify color, and add imprint style part number.

Price includes one color printing and collar.

One-time plate charge applies.

Custom Print Collar + or - 15% Production Run.

See Our Main Catalog or Website for Different Collar Styles or Give us a Call

Please fill in Information below and fax to **1-800-264-7797**

Imprint Information	Qty. (250 min.)
Line 1 _____	
Line 2 _____	

Customer Name _____
Contact Name _____
Phone # _____
Fax # _____

All custom imprint products are manufactured and shipped from the West Coast facility.

Customer Owned Triangle Imprinted Cylinder Collars



Semi Clear



Dark Green



Turquoise



Lime Green



Purple



White



Yellow

Management Collars for 80 cu. ft. through 330 cu. ft. Cylinders

Limited to on hand quantities



**Need help with your Custom Print needs?
Call 1-800-264-7793 or email
sales@rmimfg.com for our representative**

PROMO PRICING*

* Promo Pricing for Available Quantities only while supplies last.

Part #	Color	Pack of	PRICE
C1-CW-CPK50	Semi Clear	pk of 50	\$39.00
C1-CW-DGPK50	Dark Green	pk of 50	\$39.00
C1-CW-LBPK50	Turquoise	pk of 50	\$39.00
C1-CW-LGPK50	Lime Green	pk of 50	\$39.00
C1-CW-PPK50	Purple	pk of 50	\$39.00
C1-CW-WPK50	White	pk of 50	\$39.00
C1-CW-YPK50	Yellow	pk of 50	\$39.00

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HAZMAT AND PLACARD SYSTEMS



Placard Systems for Your Trucks



PLACARDS AVAILABLE

PLK-1 Contains

Flammable Gas 2, Non-Flammable Gas 2, Oxygen 2, Inhalation Hazard 2, Toxic Gas 2, Dangerous When Wet 4, Poison 6, Corrosive 8, and Blank.

PLK-3 Contains Most Common Used

Flammable Gas 2, Non-Flammable Gas 2, Oxygen 2, and Blank.

Part #	Description
PLK-1	8 Legend Flip Placard System with Solid Frame
PLK-3	3 Legend Flip Placard System with Solid Frame



8 Legend Flip Placard System with Solid Frame
Pt # PLK-1

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- Coupon -
ORDER
25 or MORE

25% OFF



10.75" x 10.75" Removable Vinyl (R) Style – Subsidiary Risk Hazardous Material Placards – Fits in PLK-2 Holder

*R = Removable Vinyl

Part #	Description
PLK-NFLAM2-R*	Non-Flammable Gas 2
PLK-FLAM2-R*	Flammable Gas 2
PLK-TOXIC2-R*	Toxic Gas 2
PLK-INHAL2-R*	Inhalation Hazard 2
PLK-OXY2-R*	Oxygen 2
PLK-OXIDIZ5.1-R*	Oxidizer 5.1

Present **Coupon # FL23-12** when ordering.*
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Starts 12/19/23 Expires 2/27/2024.

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Promotion Discount based on standard industrial selling price.

Placard Holders

Also available in:

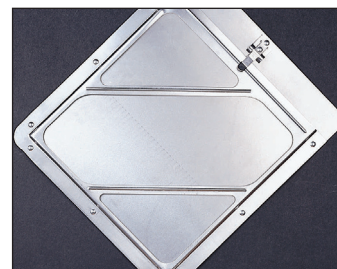
Aluminum, Permanent Vinyl, Magnetic Backed and Cardboard Styles



10.75" x 10.75" Rigid Vinyl (RV) Style – Subsidiary Risk Hazardous Material Placards – Fits in PLK-2 Holder

**RV = Rigid Vinyl

Part #	Description
PLK-NFLAM2-RV**	Non-Flammable Gas 2
PLK-FLAM2-RV**	Flammable Gas 2
PLK-TOXIC2-RV**	Toxic Gas 2
PLK-INHAL2-RV**	Inhalation Hazard 2
PLK-OXYGEN2-RV**	Oxygen 2
PLK-OXIDIZ5.1-RV**	Oxidizer 5.1
PLK-CORROSIVE8-RV**	Corrosive 8



Slide In Style Rigid Placard Single Clip Placard
Pt # PLK-2

Part #	Description
PLK-2	Placard Holder
PLK-3SPLIT	3-Way Split (Flammable Gas/ Non-Flammable Gas/Oxygen) Class 2

Rigid Vinyl (RV) Style – Samples of Subsidiary Risk Hazardous Material Placards



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ALL ABOUT DEWAR SAFETY

RMI® Parts for Dewar Regulator Adjustment Lockout with Tamper Evident Design

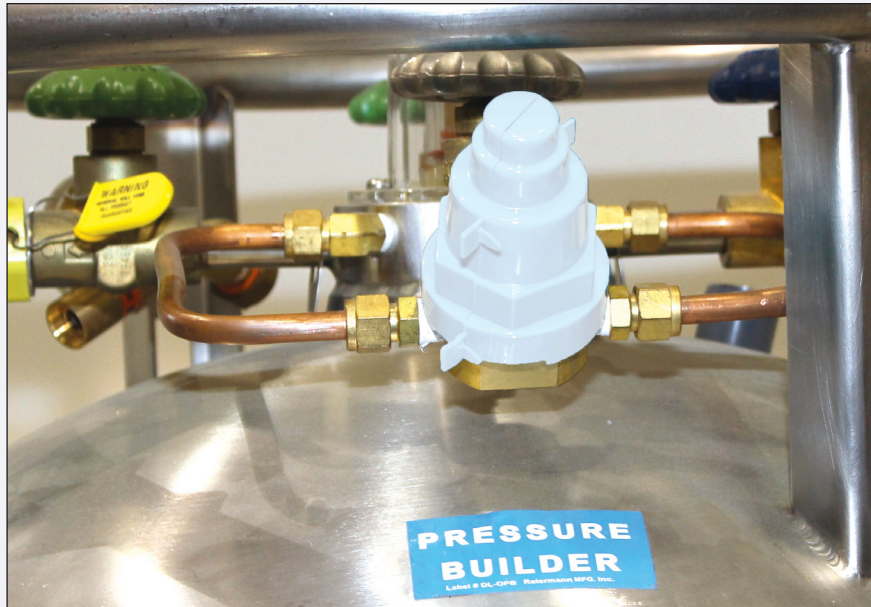
Works on most
brands
& models

Keep customers from
adjusting regulators.
A large percentage of
problems with DOT4L
liquid cylinders
(Dewars) is directly
related to end user
tampering with the set
screws on economizers
and pressure building
regulators.

- Economizer
- Pressure Builder
Regulator and
- Pressure Builder/
Economizer
Combo
Regulators



Regulator Lockouts
Package of 25
Pt # RPE-WTPK25



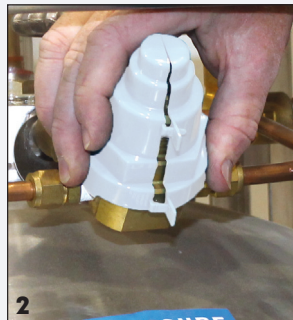
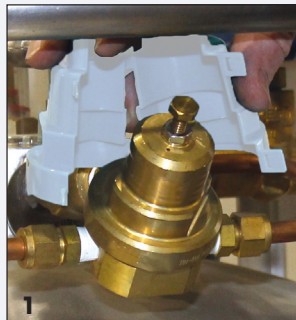
- Coupon -

10% OFF

Present **Coupon # FL23-12**
when ordering.*
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*Coupon not combinable with any
other offer. Promotion Discount
based on standard industrial
selling price.

Part #	Color/Description
RPE-WTPK25	White / Regulator Lockout, pack of 25



Custom Print 360° Tape Designed to Identify the Gas Type



and

Promote Your Brand.



Quickly See Tank that Belongs to **Your Company!**



**Your Industrial Cryogenic DOT-4L
360° Tape per Recommendation
of CGA C-7 2014, Appendix F**

**CUSTOM PRINT* –
Industrial 3" Dewar 360° Gas Tape**

Part #	Description	Roll Length
DGC-TA-XXXX	Argon	250' Roll
DGC-TC-XXXX	Carbon Dioxide	250' Roll
DGC-TH-XXXX	Helium	250' Roll
DGC-TN-XXXX	Nitrogen	250' Roll
DGC-TO-XXXX	Oxygen	250' Roll

Requirement of SB-26 Medical 3 1/2" Dewar 360° Gas Tape

Part #	Description	Roll Length
DGC-MEDCO2-XXXX	Carbon Dioxide	250' Roll
DGC-MEDN-XXXX	Nitrogen	250' Roll
DGC-MEDO-XXXX	Oxygen	250' Roll

* One time plate charge – Roll minimum applies.

1/2 OFF
PLATE CHARGE
ON 360° TAPE
FULL COLOR
AND LOGO

Present **Coupon # FL23-12** when
ordering.* One coupon to a location.
Starts 12/19/23 Expires 2/27/2024.

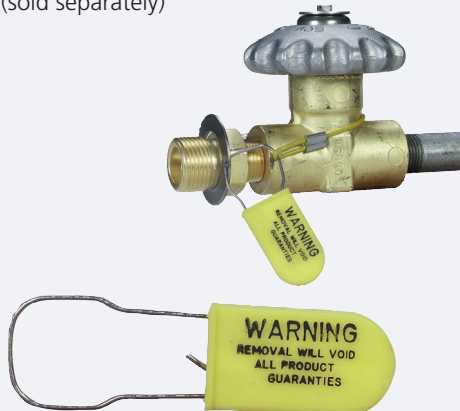
*Coupon not combinable with any other
offer. Promotion Discount based on
standard industrial selling price.

CGA FITTING RESTRAINTS

Restraints / Retrofit Kits for Oxygen & Inert / 360° Wrap Around Tape

Restraints for Industrial Gas & Liquid Cylinder Fittings

CGA fitting restraints hold the fitting in place with a blocking device attached to the valve. Using an industrial grade stainless steel cable, which is locked on by a tamper-evident seal (Pt # CGP PS1). (sold separately)



Tamper-Evident Seal
Part # CGP PS1
(sold separately)

CGA –
Red
Warning
Label



WARNING!

This cylinder is equipped with fittings for SPECIFIC SERVICE. Changing of fittings should only be performed by AUTHORIZED PERSONNEL with full knowledge of intended service.

Part # DL-10

Your Industrial Cryogenic DOT-4L 360° Tape per Recommendation of CGA C-7 2014, Appendix F and MEDICAL DOT-4L LABELS for GHS and CGA SB-26 Requirements



Requirement of SB-26 Medical 3 1/2" Dewar 360° Gas Tape

Part #	Description	Roll Length
DG-MEDO	3 1/2" Oxygen Dewar 360° Gas Tape	250' Roll
DG-MEDN	3 1/2" Nitrogen Dewar 360° Gas Tape	250' Roll
DG-MEDNO	3 1/2" Nitrous Oxide Dewar 360° Gas Tape	250' Roll



Industrial 3" Dewar 360° Gas Tape

Part #	Description	Roll Length
DG-TC	3" Carbon Dioxide Dewar 360° Gas Tape	250' Roll
DG-TO	3" Oxygen Dewar 360° Gas Tape	250' Roll
DG-TN	3" Nitrogen Dewar 360° Gas Tape	250' Roll
DG-TA	3" Argon Dewar 360° Gas Tape	250' Roll
DG-TH	3" Helium Dewar 360° Gas Tape	250' Roll



French Medical 3 1/2" & Industrial 3" Dewar 360° Gas Tape

F-DG-NNF	French – 360° Tape Nitrogen NF
F-DG-NOUSP	French – 360° Tape Nitrous Oxide USP
F-DG-OUSP	French – 360° Tape Medical O2
F-DG-TCUSP	French – 360° Tape Carbon Dioxide USP

Medical and Gas Tape also available in Spanish, please call for part number.



To Order Custom Print 360° Dewar Industrial or Medical Tape see Section 6A 25-26 in Digital Catalog www.ratermannonlinecatalog.com

Retrofit Kits for Oxygen, CO2, Nitrous Oxide and Inert Gas Dewars

OXYGEN DEWAR

For:	Part #	Order Qty.
Liquid Valve CGA-440	CGP-3	1 ea.
Vent CGA-440	CGP-3	1 ea.
540 CGA Fittings	CGP-3	1 ea.
TAMPER SEAL	CGP-PS1	3 ea.
WARNING LABEL	DL-10	1 ea.

COMPLETE BOTTLE 3-VALVE (CGA 540, 440, 326, 320)
(liquid, gas, & vent valve)

RETROFIT KIT for Oxygen, CO² (CGA 320) & Nitrous Oxide (CGA 326)

Part Number	Description
CGP-23PK1	Package contains one kit
CGP-23PK5	Package contains five kits

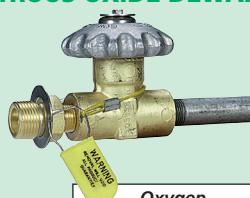
COMPLETE 3 VALVE KIT for CO² (CGA 622) & Nitrous Oxide (CGA 624)

Part Number	Description
CGP-25PK1	Package contains one kit
CGP-25PK5	Package contains five kits

LIQUID FILL AND VENT CGA 622 AND CGA 624

Part Number	Description
CGP-5	CGA 622 CO ₂
CGP-6	CGA 624 Nitrous Oxide

FOR OXYGEN, CO₂, and NITROUS OXIDE DEWARs



Oxygen CGA 540 Restraints
Part # CGP-3
shown



Oxygen Vent & Liquid Fitting Restraints
Part # CGP-3

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FOR INERT GAS DEWARs

ARGON & NITROGEN DEWAR

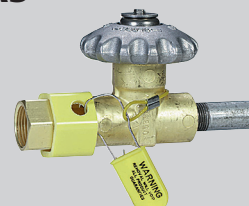
For:	Part #	Order Qty.
Liquid Valve	CGP-2	1 ea.
Vent	CGP-2	1 ea.
580 CGA Fittings	CGP-4	1 ea.
TAMPER SEAL	CGP-PS1	3 ea.
WARNING LABEL	DL-10	1 ea.

COMPLETE BOTTLE 3-VALVE (liquid, gas, & vent valve) RETROFIT KIT FOR INERT GAS

Part Number	Description
CGP-13PK1	Package contains one kit
CGP-13PK5	Package contains five kits

Inert Vent & Liquid Fitting Restraints
Part # CGP-2

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Argon & Nitrogen CGA 580 Restraints
Part # CGP-4





READ NOW

THE RATERMANN BLOG

Get to know the ins and outs of the products you use daily and the products you might not know you need. The Ratermann blog is an excellent place to brush up on your knowledge. New blog posts are published weekly. Keep you and your team up to date with all things Ratermann, subscribe now!

www.rmimfg.com

PERSONALIZED ON-SITE TRAINING

Educate your team.

Classes include:

Liquid Cylinder Repair
Cryogenic Valves 101
Hose Tech 101
Cryogenic Valve Repair
Catalog Training
Cylinder Identification
Sizing a Gas System

Let us know what classes or training you would like to see.

32-Dec 2023

Craig Pagano - National Sales
Manager - Industrial

Lance Loocher - National Sales
Manager - Cryogenics



SALES PROMOS & COUPONS

Start Date December 19, 2023 - February 27, 2024

Rebuild Kit for Cryogenic Valves



RMI® Replacement Parts

Valve Rebuild Kits for

- Vent
- Gas
- Liquid
- Pressure Builder

Individually Packaged – Cleaned For Oxygen Service per CGA G-4.1 specifications.



Complete Kit
Part # DV-RBK1

Part #	Description
DV-RBK1	Rebuild Kit for Cryogenic Dewar Valves, Gray Handwheel
DV-RBK1-PK10	Rebuild Kit (Stem & Gray Handwheel) for Cryo Dewar Valves, Pkg of 10

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Flexible Bail Handle Connectors



Key Features

- Designed for use with one gloved hand
- Available in CGA540, CGA580, & CGA346
- Ideal for restricted clearance of palletized cylinders and 6 and 12-cylinder pack
- Two active locking mechanisms
- Two Flexible Bail Sizes Available: #1 (14") & #4 (21")

Flex Bail Handles

Part #	Description
QFT-540-F1	Quick-Fill Valve, CGA540 Industrial - Oxygen, with #1 Flex Bail Handle (14in)
QFT-540-F4	Quick-Fill Valve, CGA540 Industrial - Oxygen, with #4 Flex Bail Handle (21in)
QFT-580-F1	Quick-Fill Valve, CGA580 Industrial - Inert, with #1 Flex Bail Handle (14in)
QFT-580-F4	Quick-Fill Valve, CGA580 Industrial - Inert, with #4 Flex Bail Handle (21in)
QFT-346-F1	Quick-Fill Valve, CGA346 Industrial - Breathing Air, with #1 Flex Bail Handle (14in)
QFT-346-F4	Quick-Fill Valve, CGA346 Industrial - Breathing Air, with #4 Flex Bail Handle (21in)

– CALL TO SETUP A DEMO OR FOR MORE INFO –

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov

– Coupon –
VALVE REBUILD KIT PROMO
Buy 1 / pack of DV-RBK1-PK10 & RECEIVE 1/ea. FREE Pt # DV-RBK1



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– Coupon –
Medical Cylinder Plugs & Seals

10% OFF

Easy Oxygen Push on Cap

- Economy Push On Seal



Red Cap
Pt # PM-14RD



Green Cap
Pt # PM-14

Barb Nipple Cap

- Smooth sides



Pt # PP-BARB

Ribbed Nipple Cap
Pt # PP-BARB-RS

Thread on Dust Cover Cap



Red Cap
Pt # PP-MEDPLRD



Green Cap
Pt # PP-MEDPL



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GENERANT SERIES TPG CONNECTION SYSTEMS

Generant Tamper Proof Device for DOT-4LC and TC-4LM Liquid Cylinders

The connection system is supplied for installation into the outlet ports of most gas use, vent and fill valves on a cryogenic liquid cylinder. The system is a one-piece assembly consisting of a CGA fitting/clutch mechanism permanently mounted in a stainless steel locking bracket. Once installed, this system **cannot be removed without rendering the CGA outlet connection unusable**.

FEATURES AND BENEFITS

- Easily installs on most existing threaded cylinder valves using standard hex wrench
- NPT Male connection supplied with factory applied PTFE thread sealant tape
- Suitable for both Industrial and Medical Applications
- CGA connections manufactured to industry standards
- Zero External Leakage
- Cleaned and Packaged for Oxygen Service
- Optional Integral Anti-Backflow Check Valve
- OEM Endorsed

Valve Outlet Connections

For both industrial and medical cylinders, an option to silver braze, welding or using connections that are integral to the valve has been added: threaded or socket connections may be “attached by other means to the valve body in a manner that prevents removal or would **render the connection or valve body unusable if removal was attempted or accomplished.**”

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GENERANT



Easy Installation

Generant Tamper Proof Devices

Part # Pkg. of 5	Description	Per Dewar Head	Part # for Single Item
TPG-540-PK5	CGA 540 (Gas use) – Oxygen	1	(Pt # TPG-540)
TPG-540CV-PK5	CGA 540 (Gas use) – Oxygen with Check Valve	1	(Pt # TPG-540CV)
TPG-580-PK5	CGA 580 (Gas use) – Inert	1	(Pt # TPG-580)
TPG-580CV-PK5	CGA 580 (Gas use) – Inert with Check Valve	1	(Pt # TPG-580CV)
TPG-440-PK5	CGA 440 (Vent & Liquid use) – Oxygen	2	(Pt # TPG-440)
TPG-295-PK5	CGA 295 (Vent & Liquid use) – Inert	2	(Pt # TPG-295)
TPG-622-PK5	CGA 622 (Vent & Liquid use) – CO2	2	(Pt # TPG-622)
TPG-320-PK5	CGA 320 (Gas, Liquid & Vent use) – CO2	3	(Pt # TPG-320)
TPG-320CV-EP-PK5	CGA 320 (Gas, Liquid & Vent use) – CO2 with Check Valve, Food Grade	3	(Pt # TPG-320CV-EP)
TPG-326-PK5	CGA 326 (Gas, Liquid & Vent use) – N2O	3	(Pt # TPG-326)
TPG-326CV-EP-PK5	CGA 326 (Gas, Liquid & Vent use) – N2O with Check Valve, Food Grade	3	(Pt # TPG-326CV-EP)

Generant Series TPG Installation and Removal

(This should be performed by a qualified technician.)



INSTALLATION

Note: Series TPG Connection Systems are supplied cleaned and packaged for use in Oxygen Systems. When utilized in an Oxygen application, proper procedures should be maintained to ensure that the complete installation is safe for Oxygen service.

Key Point:

SB-26 (CGA Safety Bulletin 26) was created to help prevent anyone from installing incorrect fittings on liquid cylinders, as the result of such, especially in medical applications has been and can be fatal. In accordance to SB-26 (CGA Safety Bulletin 26) **Industrial** portable cryogenic containers must have tamper-proof or tamper-evident restraints on the outlet valve such as a TPG. **Medical** portable cryogenic containers must have tamper-proof restraints on the outlet valve such as a TPG.



The connection is installed and ready for safe use.

SPECIALTY FITTINGS & COUPONS

Start Date Dec. 19, 2023 - Feb. 27, 2024

RATERMANN'S LINE OF SPECIALTY FITTINGS & HOSES

CGA To CGA (DISS) 3 Piece Adaptors



CGA (DISS) Torque Wrenches



Call for
Other
Specialty
Fittings!

Restricted Flow Orifices



CGA (DISS) Inlet Connections



CGA (DISS) Gaskets



JIS Outlet Adaptors

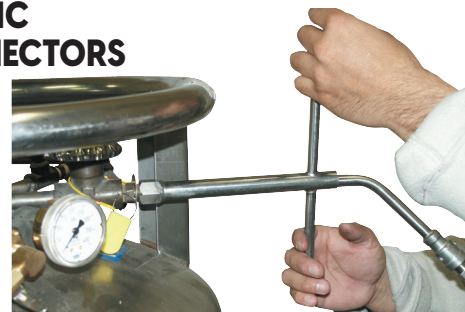


CGA (DISS) Outlet Adaptors



CRYOGENIC FILL CONNECTORS

Connect
your
Dewar
quickly
for fast
hookup
and filling.



MIX & MATCH FOR PROMO

- Coupon -
BUY ONE **GET 2ND ONE...** **25% OFF**
Industrial Price...

Present **Coupon # FL23-12** when ordering.*
One coupon to a location. Starts 12/19/23 Expires 2/27/2024.
*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

- Coupon - Valve Leak Check

**BUY 1
GALLON
GET FREE**

Leak Check
Squeeze
Bottle
Part # LC-80Z



**Oxygen
Safe**

Leak Check
Gallon
Pt # LC-1GAL

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Discount based on
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selling price.



Valve Tool

Works
on All
Brand
Valves
Open
Close
Valve
Fast!



* Air tool
not
included

SALE

\$49.95

Valve
Tool
Pt #
CV-38RVT



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⚠ WARNING: Products in this catalog can
expose you to chemicals including Lead
which is known to the State of California to
cause cancer, birth defects or reproductive
harm. For more information, go to
<https://www.p65warnings.ca.gov>

Dewar Liquid 440 OXYGEN Fill Tool



Pt # QTH-440-2L

Part #	Description
QTH-440-2L	Oxygen Heavy Duty Quick Turn Long 45° - No Relief Valve
QTH-440-3L	Oxygen Heavy Duty Quick Turn Long 90° - No Relief Valve

† Hose not included.

Liquid LN2/Argon Fill Tool for CGA 295



Pt #
QTH-295-1L

Pt #
QTH-295-2L

Part #	Description
QTH-295-1L	LN2 Heavy Duty Quick Turn Long, T - No Relief Valve
QTH-295-2L	LN2 Heavy Duty Quick Turn Long 45° - No Relief Valve
QTH-295-3L	LN2 Heavy Duty Quick Turn Long 90° - No Relief Valve

† Hose not included.

⚠ WARNING: Products in this catalog can expose you to chemicals including
Lead which is known to the State of California to cause cancer, birth defects or
reproductive harm. For more information, go to <https://www.p65warnings.ca.gov>

PTFE TAPE & PTFE PASTE Oxygen Safe



Green Oxygen PTFE Threaded Seal Tape

Part #	Description
TAPE-2-GREEN	1/2" x 520" Green PTFE Tape
TAPE-34-GREEN	3/4" x 520" Green PTFE Tape

PTFE Tape

Part #	Description
TAPE-1	1/4" PTFE Tape
TAPE-2	1/2" PTFE Tape
TAPE-34	3/4" PTFE Tape
TAPE-3	1" PTFE Tape

PTFE Paste



Oxygen Safe, Chemically Inert, and Odor Free

FORMULA-8 is used by thousands of welding and general supply companies and equipment manufacturers worldwide.

IDEAL APPLICATIONS FOR PTFE PASTE

- Oxygen cylinders to eliminate leaks
- Fine instrument threads
- Oxygen systems below 125° C
- Valves on bottled gases

PTFE Paste

Part #	Description
OXY-PTFE-8	PTFE Paste

**When You Buy
10+ PTFE
TAPE**

**- Coupon -
10% OFF**

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PTFE Tape Pointers



First 1-2 Threads Should Be Exposed

With the threads facing toward you, the tape should be applied in a clockwise direction. With threads facing away from you, tape should be applied in a counter-clockwise direction. This will ensure the proper direction and that the tape will not loosen when threads are being tightened. Apply 1-1/2 to 2 turns of tape, making sure to leave first 1-2 threads bare, as not to accidentally introduce tape particles into your flow path.

**CYLINDER
NETTING**

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10% OFF**

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**When You
Buy
10+ PTFE
PASTE**

**- Coupon -
10% OFF**

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Purple Nitrile Powder-Free Exam Gloves

These Latex-Free gloves will **NOT** give protection from cold or cryogenic liquids.



Part #	Description
PNG-S	Purple Nitrile Gloves – Small
PNG-M	Purple Nitrile Gloves – Medium
PNG-L	Purple Nitrile Gloves – Large
PNG-XL	Purple Nitrile Gloves – Extra Large

VACUUM JACKETED CRYOGENIC HOSES In Stock



benefits include:

- faster cool down time
- no condensation which means no wet floors

Vacuum Insulated Flexible Hoses – 3 Feet thru 25 Feet 3/8" I.D. CGA 295 x CGA 295 & 1/2" I.D. CGA 295 x CGA 295

Features

- Reduced evaporation and the elimination of frost and condensation during transfers
- Vacuum jackets and super insulation for an optimally efficient flexible transfer line
- Can be used with ALL liquid cryogenics from LNG to liquid helium (LHe) depending on the end fittings
- A full line of bayonets, pipe threads, compression and custom end fittings are available
- Hose assemblies can be fabricated with full length ARMOR casing or cuffs



ARCTIC FOX® Vacuum Jacketed Cryogenic Hoses IN STOCK

Part Number	Description	MOST COMMON IN RED
VS-12ID96CGA295	Vacuum Jacketed Hose, 1/2" ID, 150 PSI, CGA295 SS Flare Ends, 8 Feet Long	
VS-12ID144CGA295	Vacuum Jacketed Hose, 1/2" ID, 150 PSI, CGA295 SS Flare Ends, 12 Feet Long	
VS-12ID72CGA295	Vacuum Jacketed Hose, 1/2" ID, 150 PSI, CGA295 SS Flare Ends, 6 Feet Long	
VS-38ID48CGA295	Vacuum Jacketed Hose, 3/8" ID, 150 PSI, CGA295 SS Flare Ends, 4 Feet Long	
VS-12ID180CGA295	Vacuum Jacketed Hose, 1/2" ID, 150 PSI, CGA295 SS Flare Ends, 15 Feet Long	
VS-12ID216CGA295	Vacuum Jacketed Hose, 1/2" ID, 150 PSI, CGA295 SS Flare Ends, 18 Feet Long	
VS-12ID36CGA295	Vacuum Jacketed Hose, 1/2" ID, 150 PSI, CGA295 SS Flare Ends, 3 Feet Long	
VS-38ID120CGA295	Vacuum Jacketed Hose, 3/8" ID, 150 PSI, CGA295 SS Flare Ends, 10 Feet Long	
VS-38ID60CGA295	Vacuum Jacketed Hose, 3/8" ID, 150 PSI, CGA295 SS Flare Ends, 5 Feet Long	

– Coupon –

10% OFF

**VACUUM
JACKETED
CRYOGENIC
HOSES**



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www.P65Warnings.ca.gov



LISTEN NOW! THE TIPPING POINT PODCAST

The Tipping Point podcast, hosted by the insightful Marie Williams, is a captivating journey into the realms of emerging industry leaders and their unique paths to leadership. Through engaging conversations, Marie delves into the stories of these rising stars, unraveling the pivotal moments and challenges that shaped their trajectories. With a keen focus on the tipping points that sparked their professional ascent, the podcast not only offers valuable insights into leadership but also serves as a source of inspiration for aspiring professionals navigating their own career journeys.

[Watch on YouTube!](#)



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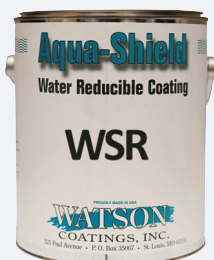


CYLINDER COATINGS



Watson Roll-On (WSR)

Watson Coatings manufactures water-reducible alkyd coating for industrial gas cylinders – a true innovation in gas cylinder coating. The Aqua-Shield WSR Series gas cylinder coatings are water-reducible alkyd coatings for use on the exterior of high-pressure industrial gas cylinders. W.S.R. stands for water-reducible, spray, or roll. This line of gas cylinder coatings boasts a viscosity that is high enough to be brushed or rolled on with pipe rollers, yet is low enough to be sprayed straight from the bucket with minimal thinning. Being water-based, these gas cylinder coatings can be thinned with water and cleaned up with water, as long as the material is wet. Once the coating has dried, it can be removed with a mild solvent.



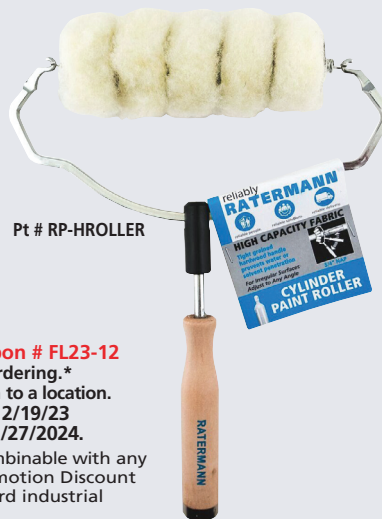
Roll-On
1 Gallon Paint
Pt # WP-WSRXXX-1G



Roll-On
5 Gallon Paint
Pt # WP-WSRXXX-5G

– **Coupon** –

Every
**8 – ONE GALLON or
2 – FIVE GALLON PAILS**
Ordered of
**Pt # WP-WSR Paint will
RECEIVE FREE
Pt # RP-HROLLER Set**



Present **Coupon # FL23-12**
when ordering.*
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Expires 2/27/2024.

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Label Adhesive Remover

**Biodegradable,
100% Organic, Non-Toxic
No Residual After Surface Dries**

Removes Heavy Duty Jobs such as

- Oil, Tar, Grease, Adhesives, Caulk, Carbon Black, Wet Oil-Based Paints & Stains and More



Flash Point
162° F (71° C)

Outstanding results for
removing cylinder
label adhesives on
Dewars and Cylinder
High Pressure



– **Coupon** –

**High Pressure &
Dewar Label
Adhesive Remover**

\$16.95

for Pt # LR-ACS-1QT

Part #	Description
LR-ACS-1QT	1 Quart w/trigger spray
LR-ACS-1GAL	1 Gallon
LR-ACS-5GAL	5 Gallon

* Promo is for Pt # LR-ACS-1QT only

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Aerosol
Pt # WP-S

Aerosol Cylinder Paint* Color Reference Chart

Watson Coatings Custom Aerosols are 12 ounce solvent-based aerosols packaged 12 cans to a case and can be customized to your specific color and gloss requirements.

Part #	Standard Colors
WP-S841A	White
WP-S857A	Off White
WP-S852A	Brilliant White (Blue Hue)
WP-S301A	Gray (FSC #16187)
WP-S360A	Gray
WP-S367A	Dove Gray
WP-S368A	Ford Gray
WP-S369A	Light Gray
WP-S370A	ASA-49 Gray
WP-S371A	Dark Gray
WP-S727A	Cream
WP-S725A	Mapp Yellow
WP-S724A	Haze Yellow
WP-S729A	Special Yellow
WP-S718A	Yellow
WP-S624A	Clover Green
WP-S621A	Cylinder Green
WP-S628A	Light Green
WP-S626A	Liquid Green
WP-S610A	Olive Drab
WP-S625A	Cactus Green
WP-S619A	Dark Green

Part #	Standard Colors
WP-S629A	Emsco Green
WP-S618A	Green (FSC #14187)
WP-S545A	Specialty Gas Purple
WP-S237A	Maroon
WP-S210A	Lincoln Red
WP-S274A	Cranberry
WP-S239A	Red
WP-S238A	Cardinal Red
WP-S913A	Fiesta Orange
WP-S915A	Old Airco Orange
WP-S914A	Orange
WP-S917A	Ming Orange
WP-S919A	CK Orange
WP-S539A	Light Blue
WP-S544A	Varsity Blue
WP-S542A	Marlin Blue
WP-S536A	M.P. Blue
WP-S537A	Medium Blue
WP-S540S	French Blue
WP-S533A	Blue
WP-S541A	Dawn Blue
WP-S1051A	Chocolate Brown
WP-S1047A	Autumn Brown
WP-S1045A	Brown
WP-S1049A	Beige
WP-S1046A	Russett Brown

FAST
Cylinder
Touch Ups
with



**Aerosol
Cylinder Paint**



Match Your Cylinder Paint Color



Pt # CYL-PSHIELD

Shoulder Paint Shield

Shield the shoulder of the tank from over-spray when painting cylinder collars.

Part #	Aerosol Paint
WP-S1048A	Focal Beige
WP-S1052A	Walnut Brown
WP-S1050A	Suede Brown
WP-S109A	Black (FSC #17038)
WP-S312A	Aluminum Metallic

Part #	Aerosol Paint
WP-S723A	Gold Metallic
WP-S1108A	Coppertone Metallic
WP-S1107A	Blue Metallic
WP-S1109A	Steel Blue Metallic
WP-S110A	Dark Blue Metallic

*The color shown is a very close representation to the actual color. If you need an exact color match, please contact us. We will be happy to send a painted metal chip for validation of color.

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Temp-Alert

Aqua-Shield Temp-Alert 350® (TA350) is the one and only clear coating for Aluminum Medical & Industrial Cylinders that changes from a glossy clear coating to a Dark Green and then Black color when exposed to temperatures in excess of 350°F.



Temp-Alert
1 Gallon
Pt # WP-TA350-1G
5 Gallon
Pt # WP-TA350-5G



The WFSR coatings are water based primers for use with WSR or WAS coatings on the bottom of Acetylene Gas Cylinders for additional corrosion resistance.

Foot Coatings



Foot
Coatings
1 Gal. Paint
Pt # WP-WFSR



Foot
Coatings
5 Gal. Paint
Pt # WP-WFSR



Primers



Primers
1 Gallon Paint
Pt # WP-WPSR



Primers
5 Gallon Paint
Pt # WP-WPSR

The Aqua-Shield WPSR coatings are water-based primers for use with WSR, WAS or WPC coatings for added film build and increased corrosion resistance on the exterior of high pressure industrial gas cylinders, miscellaneous steel or on the exterior of pipes.

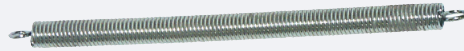
Part #	Item Description
WP-WFSR154-1G	Foot Coating: Black, 1 Gal Pail
WP-WFSR154-5G	Foot Coating: Black, 5 Gal Bucket
WP-WFSR302-1G	Foot Coating: Light Gray, 1 Gal Pail
WP-WFSR302-5G	Foot Coating: Light Gray, 5 Gal Bucket

Part #	Item Description
WP-WPSR382M-1G	Light Gray Primer, 1 Gal Pail
WP-WPSR382M-5G	Light Gray Primer, 5 Gal Bucket
WP-WPSR867M-1G	Flat White Primer, 1 Gal Pail
WP-WPSR867M-5G	Flat White Primer, 5 Gal Bucket

CYLINDER PAINT ACCESSORIES



Replacement Cylinder Paint Roller Parts



Roller Replacement Spring
Pt # RP-RSPRINGS



Replacement Roller Cover
Pt # RP-RCOVER



Replaceable Nut
Pt # RP-NUTS

25 lb. Box of White Clean Rags
Pt # WTSR-25



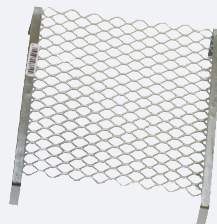
5 Gallon Bucket Accessories

Cover for Open Bucket to Keep Paint from Drying



Bucket Cover
Pt # RP-BONNET-2

* Bucket not included



Paint Roller Screen Removes Excess Paint from Roller
Pt # RP-SBGRID

- Coupon -
PROMO BUY
24 Rollers
Pt # RP-RCOVER
Get One Roller Set
FREE
with Purchase of
24 Rollers



Pt # RP-RCOVER

Paint Rollers are held together on a spring and adjust to the contour of the cylinder.

Comes 12 to a Case
Pt # RP-HROLLER

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Label Scraper

Utility Scraper
Pt # SCRAPER



Fixed Blade Scraper
Pt # FBSCRAPER

See Color Chart Reference Guide on Web for All Cylinder Paint Colors Available
OR
Give Us a Call 800-264-7793 for a Color Chart

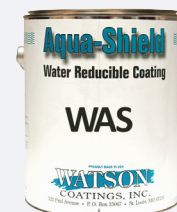
<http://www.rmiororder.com/pdf/paint-color-chart.pdf>



Spray-Ready Watson Paint

For large spray applications, a newer version of the Aqua-Shield WSR gas cylinder coatings, use the Aqua-Shield WAS series of gas cylinder coatings. The Aqua-Shield WAS series is a spray-ready gas cylinder coating that can be used directly from the bucket or drum without additional thinning.

WATSON
COATINGS, INC.



Spray-Ready 1 Gallon Paint
Pt # WP-WAS-1G



Spray-Ready 5 Gallon Paint
Pt # WP-WAS-5G

DEWAR VALVE LABELS Safety First!

Dewar Valve Labels



Adhere the label to dewar below valve as shown.

VENT

Part # DL-OV

GAS

Part # DL-OG

LIQUID

Part # DL-OL

**PRESSURE
BUILDER**

Part # DL-OPB

- Coupon -

**Dewar Valve
Labels**

10% OFF

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Discount based on standard
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Part # for Pkg. of 50	Description	Part # for Pkg. of 10
DL-OVPK50	Vent	(Pt # DL-OVPK10)
DL-OGPK50	Gas	(Pt # DL-OGPK10)
DL-OLPK50	Liquid	(Pt # DL-OLPK10)
DL-OPBPK50	Pressure Builder	(Pt # DL-OPBPK10)

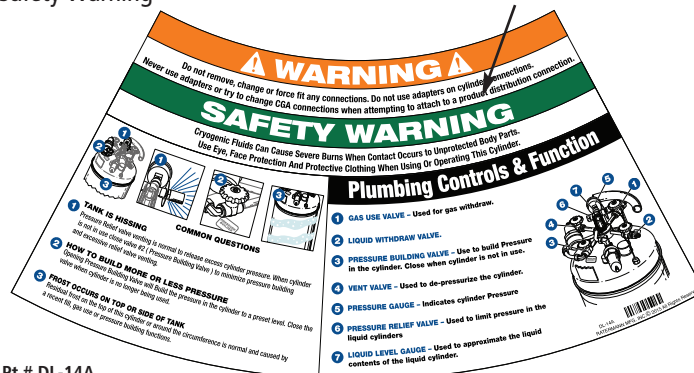
Dewar Operation Label



Stated in the Warning Section of Label

- Per SB-26-2014, on DOT-4L/TC-4LM Liquid Cylinders, a statement should be added to the cylinder **warning against changing or force fitting connections, or the use of adapters on cylinder connections.**
- Operation Labels with Operation Safety Common Questions
 - Why is my tank hissing?
 - Warning
 - Safety Warning

**Additional warning
statement as
recommended in
CGA SB-26**



Pt # DL-14A

Medical Gas Valve Labels

**MEDICAL
OXYGEN**

Part # DL-MO

**MEDICAL
NITROGEN**

Part # DL-MN

**MEDICAL
CARBON DIOXIDE**

Part # DL-MCO2

**MEDICAL
NITROUS OXIDE**

Part # DL-MNO

Part # for Pkg. of 50	Description	Part # for Pkg. of 10
DL-MOPK50	Medical Oxygen	(Pt # DL-MOPK10)
DL-MNPK50	Medical Nitrogen	(Pt # DL-MNPK10)
DL-MCO2PK50	Medical Carbon Dioxide	(Pt # DL-MCO2PK10)
DL-MNOPK50	Medical Nitrous Oxide	(Pt # DL-MNOPK10)

- Coupon -

**Medical Gas
Valve Labels**

10% OFF

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Your
Cryogenic
Needs...**



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RMI RATERMANN
MANUFACTURING, INC.

Largest Selection of Cryogenic and Compressed Gas Equipment & Supplies
Since 1959 • Quality • Service

Selecting the correct hose can improve your process

There are many types of hoses available to meet your needs. It is important to select the right hose for your application. The following information will help you select the right hose for your application.

Application Guidelines:

- General Purpose:** For general purpose use, select a hose with a working pressure of 150 PSI or higher. A standard 1/2" or 3/4" hose is usually the best choice.
- High Pressure:** For high pressure applications, select a hose with a working pressure of 300 PSI or higher. A standard 1/2" or 3/4" hose is usually the best choice.
- Low Temperature:** For low temperature applications, select a hose with a minimum operating temperature of -40°F or lower. A standard 1/2" or 3/4" hose is usually the best choice.
- Corrosive Gases:** For corrosive gases, select a hose made of a material that is resistant to the gas. A standard 1/2" or 3/4" hose is usually the best choice.
- Flammable Gases:** For flammable gases, select a hose made of a material that is resistant to fire. A standard 1/2" or 3/4" hose is usually the best choice.
- High Purity:** For high purity applications, select a hose made of a material that is resistant to contamination. A standard 1/2" or 3/4" hose is usually the best choice.

Call us to Help You with Your Gas Hose Needs!

Hose Size	Working Pressure (PSI)	Material	Length (ft)	Price (USD)
1/2"	150	Steel	25	1.50
3/4"	150	Steel	25	2.50
1"	150	Steel	25	3.50
1 1/2"	150	Steel	25	5.50
2"	150	Steel	25	7.50
2 1/2"	150	Steel	25	9.50
3"	150	Steel	25	11.50
3 1/2"	150	Steel	25	13.50
4"	150	Steel	25	15.50
4 1/2"	150	Steel	25	17.50
5"	150	Steel	25	19.50
5 1/2"	150	Steel	25	21.50
6"	150	Steel	25	23.50
6 1/2"	150	Steel	25	25.50
7"	150	Steel	25	27.50
7 1/2"	150	Steel	25	29.50
8"	150	Steel	25	31.50
8 1/2"	150	Steel	25	33.50
9"	150	Steel	25	35.50
9 1/2"	150	Steel	25	37.50
10"	150	Steel	25	39.50
10 1/2"	150	Steel	25	41.50
11"	150	Steel	25	43.50
11 1/2"	150	Steel	25	45.50
12"	150	Steel	25	47.50
12 1/2"	150	Steel	25	49.50
13"	150	Steel	25	51.50
13 1/2"	150	Steel	25	53.50
14"	150	Steel	25	55.50
14 1/2"	150	Steel	25	57.50
15"	150	Steel	25	59.50
15 1/2"	150	Steel	25	61.50
16"	150	Steel	25	63.50
16 1/2"	150	Steel	25	65.50
17"	150	Steel	25	67.50
17 1/2"	150	Steel	25	69.50
18"	150	Steel	25	71.50
18 1/2"	150	Steel	25	73.50
19"	150	Steel	25	75.50
19 1/2"	150	Steel	25	77.50
20"	150	Steel	25	79.50
20 1/2"	150	Steel	25	81.50
21"	150	Steel	25	83.50
21 1/2"	150	Steel	25	85.50
22"	150	Steel	25	87.50
22 1/2"	150	Steel	25	89.50
23"	150	Steel	25	91.50
23 1/2"	150	Steel	25	93.50
24"	150	Steel	25	95.50
24 1/2"	150	Steel	25	97.50
25"	150	Steel	25	99.50
25 1/2"	150	Steel	25	101.50
26"	150	Steel	25	103.50
26 1/2"	150	Steel	25	105.50
27"	150	Steel	25	107.50
27 1/2"	150	Steel	25	109.50
28"	150	Steel	25	111.50
28 1/2"	150	Steel	25	113.50
29"	150	Steel	25	115.50
29 1/2"	150	Steel	25	117.50
30"	150	Steel	25	119.50
30 1/2"	150	Steel	25	121.50
31"	150	Steel	25	123.50
31 1/2"	150	Steel	25	125.50
32"	150	Steel	25	127.50
32 1/2"	150	Steel	25	129.50
33"	150	Steel	25	131.50
33 1/2"	150	Steel	25	133.50
34"	150	Steel	25	135.50
34 1/2"	150	Steel	25	137.50
35"	150	Steel	25	139.50
35 1/2"	150	Steel	25	141.50
36"	150	Steel	25	143.50
36 1/2"	150	Steel	25	145.50
37"	150	Steel	25	147.50
37 1/2"	150	Steel	25	149.50
38"	150	Steel	25	151.50
38 1/2"	150	Steel	25	153.50
39"	150	Steel	25	155.50
39 1/2"	150	Steel	25	157.50
40"	150	Steel	25	159.50
40 1/2"	150	Steel	25	161.50
41"	150	Steel	25	163.50
41 1/2"	150	Steel	25	165.50
42"	150	Steel	25	167.50
42 1/2"	150	Steel	25	169.50
43"	150	Steel	25	171.50
43 1/2"	150	Steel	25	173.50
44"	150	Steel	25	175.50
44 1/2"	150	Steel	25	177.50
45"	150	Steel	25	179.50
45 1/2"	150	Steel	25	181.50
46"	150	Steel	25	183.50
46 1/2"	150	Steel	25	185.50
47"	150	Steel	25	187.50
47 1/2"	150	Steel	25	189.50
48"	150	Steel	25	191.50
48 1/2"	150	Steel	25	193.50
49"	150	Steel	25	195.50
49 1/2"	150	Steel	25	197.50
50"	150	Steel	25	199.50
50 1/2"	150	Steel	25	201.50
51"	150	Steel	25	203.50
51 1/2"	150	Steel	25	205.50
52"	150	Steel	25	207.50
52 1/2"	150	Steel	25	209.50
53"	150	Steel	25	211.50
53 1/2"	150	Steel	25	213.50
54"	150	Steel	25	215.50
54 1/2"	150	Steel	25	217.50
55"	150	Steel	25	219.50
55 1/2"	150	Steel	25	221.50
56"	150	Steel	25	223.50
56 1/2"	150	Steel	25	225.50
57"	150	Steel	25	227.50
57 1/2"	150	Steel	25	229.50
58"	150	Steel	25	231.50
58 1/2"	150	Steel	25	233.50
59"	150	Steel	25	235.50
59 1/2"	150	Steel	25	237.50
60"	150	Steel	25	239.50
60 1/2"	150	Steel	25	241.50
61"	150	Steel	25	243.50
61 1/2"	150	Steel	25	245.50
62"	150	Steel	25	247.50
62 1/2"	150	Steel	25	249.50
63"	150	Steel	25	251.50
63 1/2"	150	Steel	25	253.50
64"	150	Steel	25	255.50
64 1/2"	150	Steel	25	257.50
65"	150	Steel	25	259.50
65 1/2"	150	Steel	25	261.50
66"	150	Steel	25	263.50
66 1/2"	150	Steel	25	265.50
67"	150	Steel	25	267.50
67 1/2"	150	Steel	25	269.50
68"	150	Steel	25	271.50
68 1/2"	150	Steel	25	273.50
69"	150	Steel	25	275.50
69 1/2"	150	Steel	25	277.50
70"	150	Steel	25	279.50
70 1/2"	150	Steel	25	281.50
71"	150	Steel	25	283.50
71 1/2"	150	Steel	25	285.50
72"	150	Steel	25	287.50
72 1/2"	150	Steel	25	289.50
73"	150	Steel	25	291.50
73 1/2"	150	Steel	25	293.50
74"	150	Steel	25	295.50
74 1/2"	150	Steel	25	297.50
75"	150	Steel	25	299.50
75 1/2"	150	Steel	25	301.50
76"	150	Steel	25	303.50
76 1/2"	150	Steel	25	305.50
77"	150	Steel	25	307.50
77 1/2"	150	Steel	25	309.50
78"	150	Steel	25	311.50
78 1/2"	150	Steel	25	313.50
79"	150	Steel	25	315.50
79 1/2"	150	Steel	25	317.50
80"	150	Steel	25	319.50
80 1/2"	150	Steel	25	321.50
81"	150	Steel	25	323.50
81 1/2"	150	Steel	25	325.50
82"	150	Steel	25	327.50
82 1/2"	150	Steel	25	329.50
83"	150	Steel	25	331.50
83 1/2"	150	Steel	25	333.50
84"	150	Steel	25	335.50
84 1/2"	150	Steel	25	337.50
85"	150	Steel	25	339.50
85 1/2"	150	Steel	25	341.50
86"	150	Steel	25	343.50
86 1/2"	150	Steel	25	345.50
87"	150	Steel	25	347.50
87 1/2"	150	Steel	25	349.50
88"	150	Steel	25	351.50
88 1/2"	150	Steel	25	353.50
89"	150	Steel	25	355.50
89 1/2"	150	Steel	25	357.50
90"	150	Steel	25	359.50
90 1/2"	150	Steel	25	361.50
91"	150	Steel	25	363.50
91 1/2"	150	Steel	25	365.50
92"	150	Steel	25	367.50
92 1/2"	150	Steel	25	369.50
93"	150	Steel	25	371.50
93 1/2"	150	Steel	25	373.50
94"	150	Steel	25	375.50
94 1/2"	150	Steel	25	377.50
95"	150	Steel	25	379.50
95 1/2"	150	Steel	25	381.50
96"	150	Steel	25	383.50
96 1/2"	150	Steel	25	385.50
97"	150	Steel	25	387.50
97 1/2"	150	Steel	25	389.50
98"	150	Steel	25	391.50
98 1/2"	150	Steel	25	393.50
99"	150	Steel	25	395.50
99 1/2"	150	Steel	25	397.50
100"	150	Steel	25	399.50

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Hose Visual Inspections

Remember...
"the time to replace worn hose, is before it fails."

Email
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copy of Hose
Maintenance and
Selection Chart.

CO₂ Filling Tool

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& Disconnect
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Up Your
CO₂ Filling
Operation

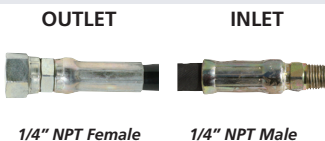


Pt # QF-SH320

Saving time and money while
stream-lining your operation.

Our Most Common CO₂ Replacement Hoses

3000 PSIG MAWP Rated – Plated Carbon Steel End Fittings



OUTLET

INLET

Standard Hose

Hose Length	Part #
24"	TPL-24F14M14
36"	TPL-36F14M14
48"	TPL-48F14M14
72"	TPL-72F14M14

1/4" NPT Female

1/4" NPT Male

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Present **Coupon # FL23-12** when ordering.*
One coupon to a location. Starts 12/19/2

GAS DELIVERY REGULATOR SERIES GDR

GENERANT

1/4" - 1" NPT, BSPT
Spring Reference & Pilot Operated



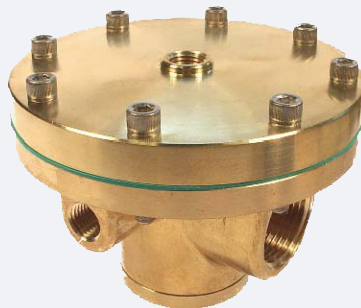
Panel Mounted



Pipe-Away
Chamber Option



Standard
Configuration



Pilot Operated
(Dome Loaded)

Materials of Construction

Component	Material
Body	CW617N Forged Brass, EN 12420
Adjustment Screw, Valve, Valve Stem, Spring Button, Spring Retainer, Venturi Tube	CDA 360 Brass, ASTM B16
Chamber Insert	303 SS, ASTM A276
Adjustment Springs	GDR-500: Music Wire, ASTM A228 GDR-1000: Chrome Silicon, ASTM A401
Valve Spring	302 SS, ASTM A313
Diaphragm	FKM, EPDM, or Nitrile on Nylon Backing
Soft Seals (Valve and O'Rings)	FKM, EPDM, or Nitrile
Trim (Flange Screws and Locknut)	18-8 Stainless Steel

NOTES: Regulators are assembled with Dupont Krytox[®] lubricant.

DuPont[™] Krytox[™], and Vydax[®] are registered trademarks or trademarks of E.I. duPont de Nemours and Company

PROPER COMPONENT SELECTION – When specifying a component, the total system design must be considered to ensure safe and trouble-free performance. Intended component function, materials compatibility, pressure ratings, installation, environment and maintenance are the responsibility of the system designer.

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Description of Generant GDR Series

The GDR Series Regulator provides reliable and precise pressure control in the most demanding applications. Optimized spring design with unique venturi design assures high flow with extremely low droop characteristics. Solid, non-tied diaphragm and all brass construction will provide leak-free and long-lasting performance. Regulator is fully balanced to virtually eliminate outlet pressure fluctuations due to inlet pressure variations. All GDR Series regulators are 100% factory tested.

Features

- **FULLY BALANCED DESIGN:** Maintains a constant delivery pressure regardless of inlet pressure fluctuations.
- **OPTIMIZED FOR HIGH FLOW:** Unique Venturi Tube and Optimized Spring Design allows for high flow rates.
- **WIDE PRESSURE RANGE:** Inlet Pressures up to 550 PSI, Outlet Pressures up to 450 PSI.
- **SOLID, NON-TIED, DIAPHRAGM:** Solid diaphragm eliminates potential leak path and increases sensitivity.
- **CONFIGURABLE:** Order Regulators with Various Porting Options, Panel-Mounted, with Chamber Pipe-A-Way, or Pilot Operated.
- **OXYGEN SERVICE COMPATIBLE:** Designed for use in Oxygen Service and Cleaned for use in O2 Service standard.

Technical Data

GDR-500

Max Inlet Pressure: 550 PSIG (37.9 bar)

Outlet Pressure Ranges:

Spring	Outlet Pressure Range
A	0-55 PSIG (0-3.8 bar)
B	50-135 PSIG (3.5-9.3 bar)
C	125-225 PSIG (8.6-15.5 bar)
D	225-450* PSIG (15.5-31 bar)

*rated at 450 PSIG @ 100°F

A, B, and C Range Springs are interchangeable.
D Range Spring requires dedicated Chamber.

Fail Open Flow Coefficients:

Port Configuration	Fail Open Cv
1/4" NPT and BSPT	1.6
3/8" NPT	2.4
1/2" NPT and BSPT	2.9

GDR-500 Pilot Operated

Max. Pilot: 450 PSIG (31.0 bar) @ 100°F

Max. Usable Cv: 1.5

Pilot Pressure to Outlet Pressure: 1/.95
(100 PSI Pilot = 95 PSI Outlet)

GDR-1000

Max Inlet Pressure: 400 PSIG (27.6 bar)

Outlet Pressure Ranges:

Spring	Outlet Pressure Range
A	0-55 PSIG (0-3.8 bar)
B	50-135 PSIG (3.5-9.3 bar)
C	125-225 PSIG (8.6-15.5 bar)

A, B, and C Range Springs are interchangeable.

Fail Open Flow Coefficients:

Port Configuration	Fail Open Cv
3/4" and 1" NPT	5.8
3/4" and 1" BSPT	5.8

GDR-1000 Pilot Operated

Max. Pilot: 250 PSIG (17.2 bar) @ 140°F

Max. Usable Cv: 2.7

Pilot Pressure to Outlet Pressure: 1/.90
(100 PSI Pilot = 90 PSI Outlet)

Effect of Inlet Pressure Variation on Set (Regulator Balance): < 0.25 PSI per 100 PSI

High Flow Regulator

Part Number	Description
4GDR-250B-EP-A	High Flow Regulator 1/4" F NPT EPDM Seal 0-55 PSI
4GDR-250B-EP-B	High Flow Regulator 1/4" F NPT EPDM Seal 55-135 PSI
4GDR-250B-EP-C	High Flow Regulator 1/4" F NPT EPDM Seal 125-225 PSI
4GDR-500B-EP-A	High Flow Regulator 1/2" F NPT EPDM Seal 0-55 PSI
4GDR-500B-EP-B	High Flow Regulator 1/2" F NPT EPDM Seal 55-135 PSI
4GDR-500B-EP-C	High Flow Regulator 1/2" F NPT EPDM Seal 125-225 PSI
4GDR-500B-EP-D	High Flow Regulator 1/2" F NPT EPDM Seal 225-450 PSI (Laser App)
4GDR-750B-EP-A	High Flow Regulator 3/4" F NPT EPDM Seal 0-55 PSI
4GDR-750B-EP-B	High Flow Regulator 3/4" F NPT EPDM Seal 55-135 PSI
4GDR-750B-EP-C	High Flow Regulator 3/4" F NPT EPDM Seal 125-225 PSI
4GDR-1000B-EP-A	High Flow Regulator 1" F NPT EPDM Seal 0-55 PSI
4GDR-1000B-EP-B	High Flow Regulator 1" F NPT EPDM Seal 55-135 PSI
4GDR-1000B-EP-C	High Flow Regulator 1" F NPT EPDM Seal 125-225 PSI

Note: All Regulators are supplied with 2 (two) 1/4" NPT Pipe Plugs. Pipe. EPDM is good for all industrial gases including CO2

Most Common Regulators

reliably
RATERMANN

IS ON THE MOVE AS THE BEST SOURCE
FOR ALL YOUR VAPORIZER NEEDS.



LOW PRESSURE VAPORIZERS – 700 PSI

Standard Low Pressure Aluminum Ambient Vaporizers

FEATURES

- Low & High-Pressure and Pressure-Building Models
- Fins Designed for Maximum Surface Area
- Wide-Gap Design for Superior Air Flow
- Customized Models Available for Special Applications
- Simple Assembly
- No Welding Required
- Expandable, Modular Design
- Stackable with No Crating Required
- Custom Accessories Available

**IN
STOCK
READY
TO
SHIP**

Most Common

Low Pressure Aluminum Ambient Vaporizers, 700 PSI

RMI Part Number	Connections	MAWP (PSI)	Flow Rate SCFH (N2)	Dimensions
VP-LP02-1MNPT	1" MNPT	700	2,000	20 7/16 L x 21 1/2 W x 152 1/16 Tall
VP-LP03-1MNPT	1" MNPT	700	3,200	32 5/8 L x 21 1/2 W x 152 1/16 Tall
VP-LP07-1MNPT	1" MNPT	700	7,000	44 11/16 L x 33 5/8 W x 152.0625 Tall
VP-LP10-1MNPT	1" MNPT	700	10,000	45 3/16 L x 33 W x 209 1/2 Tall
VP-LP15-1.5FLG	1.5" Mueller	700	15,000	45 3/16 L x 45 3/16 W x 209 7/16 Tall

Low Pressure Aluminum Ambient Vaporizers, 700 PSI

RMI Part Number	Connections	MAWP (PSI)	Flow Rate SCFH (N2)	Dimensions
VP-LP0.75-1MNPT	1" MNPT	700	750	
VP-LP05-1MNPT	1" MNPT	700	5,000	44 11/16 L x 21 1/2 W x 152.0625 Tall
VP-LP20-1.5FLG	1.5" Mueller	700	20,000	57 3/8 L x 45 1/8 W x 209 7/16 Tall
VP-LP25-1.5FLG	1.5" Mueller	700	25,000	69 1/2 L x 45 1/8 W x 205 1/8 Tall
VP-LP30-1.5FLG	1.5" Mueller	700	30,000	69 1/2 L x 57 1/4 W x 205 1/8 Tall
VP-LP45-2FLG	2" Mueller	700	45,000	71 5/16 L x 71 5/16 W x 278 1/8 Tall
VP-LP50-2FLG	2" Mueller	700	50,000	71 15/16 L x 83 15/16 W x 279 7/16 Tall

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TO PLACE YOUR ORDER!**
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VAPORIZERS

Ambient Intermittent Vaporizers / Cryogenic Hoses / Pressure Relief Assembly

Liquid Cylinder Ambient Intermittent Vaporizers Increase Vapor Withdrawal Rates for Any Type of Cryogenic Liquid Cylinder.

Our Liquid Cylinder Vaporizer Installs in Minutes.



Our Vaporizers attach directly to the liquid withdrawal connection to economically boost withdrawal ratings.

STANDARD FEATURES

- Each Unit is cleaned, sealed and tagged for Oxygen service.
- 600 PSIG MAWP standard.
- Compliant with ASME B31.3
- Free Standing or hangs on your cylinder.
- Ships fully assembled, tested and ready to use.
- **In stock and ready to ship**

OPTIONS

- Cryogenic Flex Hose
- Floor Mounted Drip Pan
- Pre-installed relief Valve with set points from 100 to 600 PSIG
- Stainless Steel lined
- EU/PED code compliance

Intermittent Ambient Air Vaporizers for Liquid Cylinders

RMI Part Number	Connections	MAWP (PSI)	Flow Rate SCFH (N2)	Weight (lbs)
VLC-A2F	1/2 FNPT	600	1200	53
VLC-A4F	1/2 FNPT	600	2400	96

Accessories

Part #	Description
FPAM12C440CH48	Oxygen Cryo Hose, Armored, 4 feet, CGA 440 x 1/2 Male NPT
FPAM12C295CH48	Inert Cryo Hose, Armored, 4 feet, CGA 295 x 1/2 Male NPT
VAP-PR100	Pressure Relief Assembly, 100PSI
VAP-PR150	Pressure Relief Assembly, 150PSI
VAP-PR200	Pressure Relief Assembly, 200PSI
VAP-PR300	Pressure Relief Assembly, 300PSI
VAP-PR400	Pressure Relief Assembly, 400PSI
VAP-PR500	Pressure Relief Assembly, 500PSI
VAP-PR600	Pressure Relief Assembly, 600PSI

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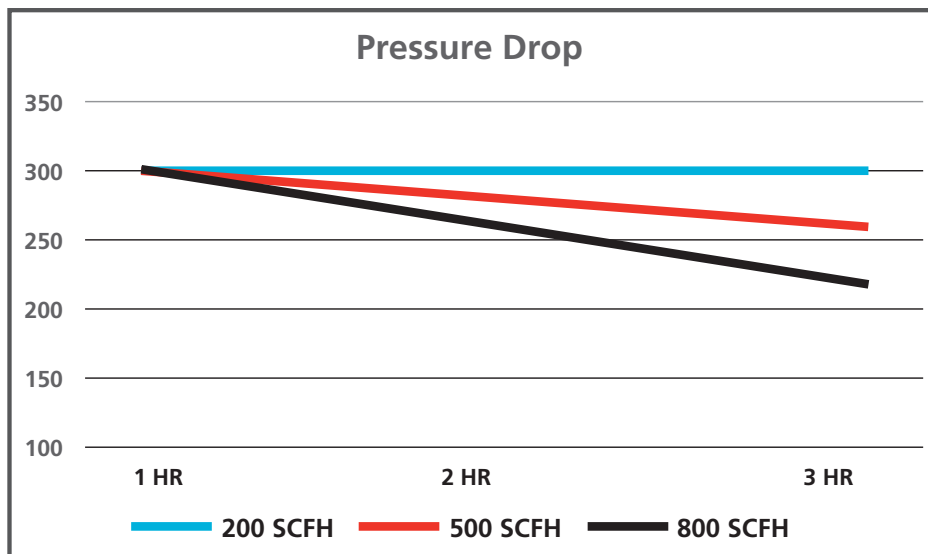
VAPORIZERS

Vaporizer Flow Rates Using a Liquid Cylinder



Flow Rate Using Liquid Cylinders Built in Vaporizing Coil

Graph demonstrates pressure drop of liquid cylinder not using a vaporizer but instead using built in pressure builder of liquid cylinder.



A liquid cylinder converting liquid into gas uses the vaporizer built into the liquid cylinder also known as the vaporizing coil and pressure building coil. The regulator is hooked up to the gas outlet. The pressure and flow rate drops when the demand exceeds the output capability of the vaporizing coil.

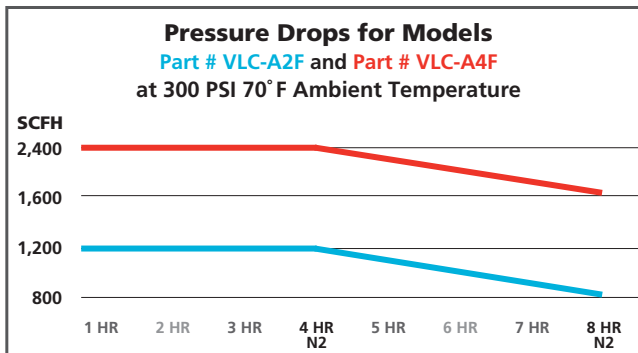
Flow Rate Using a Liquid Cylinder with an External Ambient Intermittent Air Vaporizer

Graph shows the flow rate of liquid cylinders using an ambient intermittent air vaporizer in 4 & 8 hour time periods of continuous use at ambient air temperature of 70° Fahrenheit. (SCFH = Standard Cubic Feet Per Hour)

4 & 8 Hour Pressure Drops for Ambient Intermittent Vaporizer

Part Number	4 Hour N2 Capacity (SCFH) 300 PSI 70° F	8 Hour N2 Capacity (SCFH) 300 PSI 70° F
VLC-A2F	1,200	800
VLC-A4F	2,400	1,600

A liquid cylinder using an ambient vaporizer is connected through the liquid use valve of the cylinder into the vaporizer. The vaporizer is hooked up to the regulator which supplies the gas. The drop in pressure through the vaporizer is typically 1%. For example, if the liquid going into the vaporizer is around 300 PSI the gas would be at 297 PSI output.

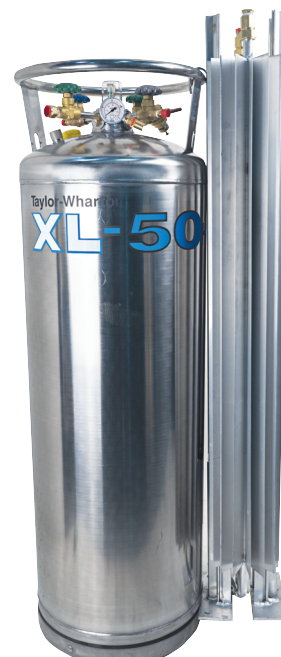


If using for 24 or 48 Continuous Hours at 300psi 70° F:

Part Number	24 Hour N2 Capacity (SCFH)	48 Hour N2 Capacity (SCFH)
VLC-A2F	640	510
VLC-A4F	1,280	1,020

The numbers shown in the graphs above are average values. The conditions of the liquids and/or the ambient conditions (outside temperature) may cause the values to differ.

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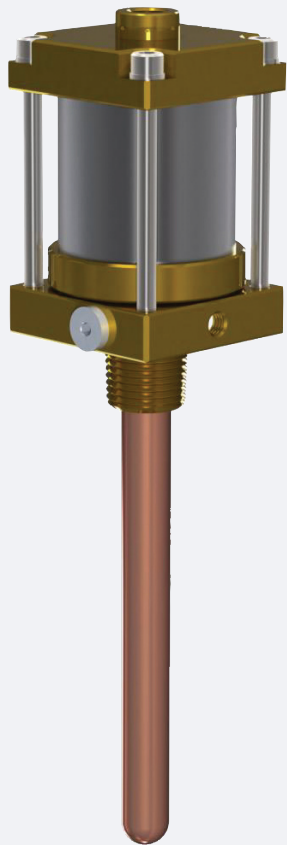


Hose Connections and Regulators are Available Separately

Low Temperature Actuation Probe Series LTAP



Low Temperature Actuation Probe
1/2" NPT Probe Connection
MAWP 600 PSI (41.4 bar)



Installation Note:

LTAP actuation probes are typically installed in a system with an orifice fitting and back pressure regulator controlling the dome-load pressure of a pilot operated reducing regulator.

Consult factory for a detailed schematic of typical installations.

Description

The LTAP Series Low Temperature Actuation Probe is a temperature controlled pneumatic two-way valve. The device utilizes a pressurized copper probe which reacts to fluid temperature and opens a passageway in the top control head as the fluid temperature approaches the device temperature setpoint. The LTAP Series can be installed on cryogenic systems to protect end users when draw rates are higher than system capacity or ambient conditions are much colder than normal.

Features

- **HIGHLY ACCURATE:** Setpoint Tolerance of $\pm 3^{\circ}\text{F}$.
- **QUICK OPEN:** Control head opens quickly at desired setpoint: less than 3°F from first bubble to full open.
- **REPEATABLE AND RELIABLE:** Designed to activate at temperature setpoint repeatably and reliably in a wide range of ambient conditions.
- **CLEANED FOR O2 SERVICE:** Assembled Cleaned for Oxygen Service as Standard.
- **ROBUST DESIGN:** Solid brass design with Working Pressures up to 600 PSIG.

Technical Data

Maximum Probe Pressure: 600 PSIG (41.4 bar)
Maximum Control Head Pressure: 600 PSIG (41.4 bar)
Temperature Setpoint Range: -40°F to -10°F
Setpoint Tolerance: Nominal $\pm 3^{\circ}\text{F}$
Full Open: Within -3°F of Initial Open
Exposed Fluid Temperature Range: -320°F to $+150^{\circ}\text{F}$
Ambient Temperature: -60°F to $+140^{\circ}\text{F}$
Control Head Full Open Cv: 0.02
This Product is **NOT** a Safety Device or Safety Accessory.

Materials of Construction

Component	Material
Probe	Copper Tube, ASTM B280
Soldering Material	Lead-Free Silver Solder
Valve Body, Control Head, Control Head Internal Components	Brass, ASTM B16
Springs	302SS, ASTM A313
Control Head Seals, Charge Valve Screw Seal	As Specified: EPDM or FS
Control Head Clip Ring	15-7 SS
Set Screws, Piston Pin, Tie Rod Bolts	18-8 SS

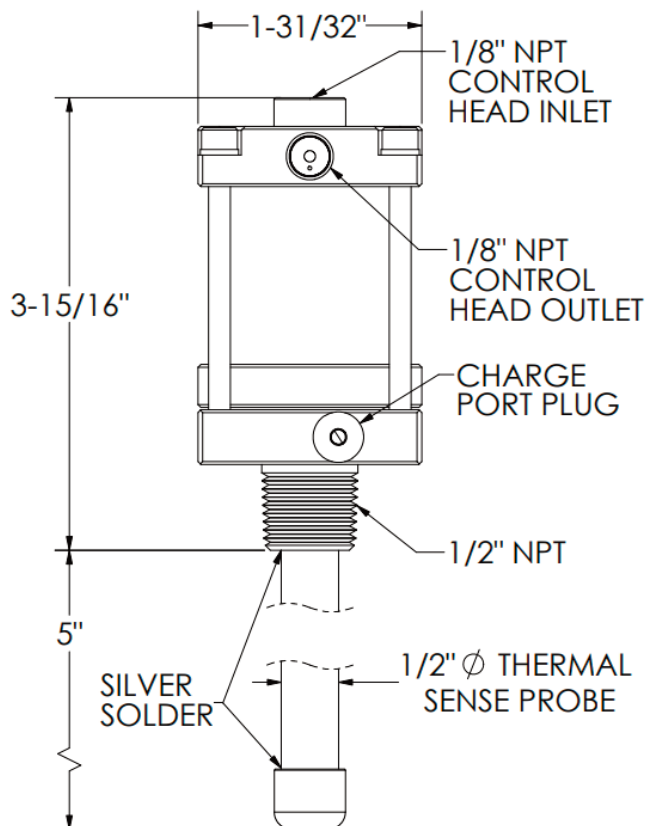
Note: LTAPS are assembled with DuPont™ Krytox™, and Vydax® are registered trademarks or trademarks of E.I. duPont de Nemours and Company

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Low Temperature Actuation Probe Series LTAP

GENERANT

Dimensional Data



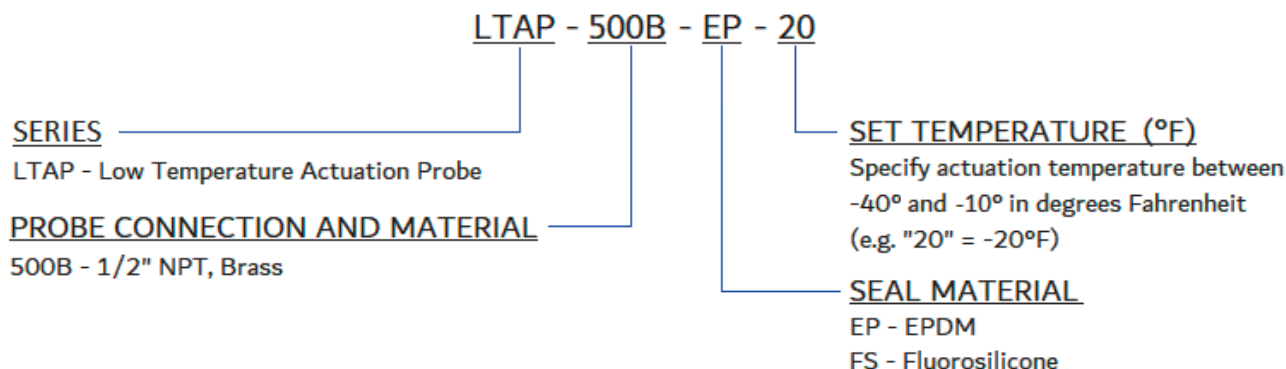
ALL LTAP PROBES ARE SUPPLIED WITH SINTERED BREATHER INSTALLED IN THE CONTROL HEAD OUTLET PORT AND A 1/4" TUBE BY 1/8" NPT

BI-Lok

DUAL FERRULE FITTING FOR THE CONTROL HEAD INLET. THIS FITTING IS SUPPLIED LOOSE.

LTAP Probes are factory pre-set at the desired set temperature and cannot be adjusted in the field. Probes utilize a pressurized fixed volume for temperature sensing. Do not attempt to disassemble.

HOW TO ORDER



PROPER COMPONENT SELECTION – When specifying a component, the total system design must be considered to ensure safe and trouble-free performance. Intended component function, materials compatibility, pressure ratings, installation, environment and maintenance are the responsibility of the system designer.

WARNING: Products in this catalog can expose you to chemicals including lead which is known to the State of California to cause cancer, birth defects or reproductive harm. For more information, go to <https://www.p65warnings.ca.gov>

GREASE AND PASTES Krytox™ and LOX-8™

General Purpose Grease for

- Valves
- Fittings
- Regulators
- Truck Pallets
- Oxygen Dewars, Casters and Handles

100% Oxygen Compatible



Krytox™ GPL-226 Grease
1/2 KG Jar
Part # KRY-GPL2260.5KG

Use on Oxygen Dewars and Fittings



Use on Valves

Part # CGV-2-F12



Krytox™ GPL-226 Grease
2 Oz. Tube
Part # KRY-GPL2262



Use on Casters



Use on Regulators

⚠ WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.
For further information on Proposition 65, please go to www.oehha.ca.gov/proposition-65

Part #	Description	Size Container
KRY-GPL2262	226 Grease	2 Oz. Tube
KRY-GPL2268	226 Grease	8 Oz. Tube
KRY-GPL2260.5KG	226 Grease	1/2 KG Jar
KRY-GPL2261KG	226 Grease	1 KG Jar



LOX-8™ Paste and Grease

LOX-8™ Paste & Grease has met the requirements for (BAM) testing. It is odorless, non-corrosive, green tinted, and hydrophobic (waterproof). It is totally non-migrating and remains where it is applied. LOX-8™ is ideal, even after long periods of time, where repetitive assembly and disassembly are required.

Applications

- Assembly lubricant
- Breathing apparatus
- Cryogenics
- Hospitals: oxygen and nitrous oxide systems
- Instruments
- Medical equipment
- Thread sealants
- Welding and Many other industrial uses

Grease

Part #	Description
OXY-8 LOX G3.5	3.5 oz. Grease
OXY-8 LOX G16	16 oz. Grease
OXY-8 LOX GP	Plunger 3.5 oz. Grease
OXY-8 LOX G25G	25 gram Grease

Paste

Part #	Description
OXY-8 PAST	3.5 oz. Paste
OXY-8 PAST 16	16 oz. Paste
OXY-8 P PAST	3.5 oz. Plunger
OXY-8 PAST G25G	25 gram Paste

LUBRICANTS 100% Oxygen Compatible Chempoint-Krytox™ Oils & Greases

For All Your Oil, Grease and Cleaner Needs

Greases from Krytox™ Performance Lubricants deliver long-lasting lubricity and viscosity performance that no hydrocarbon-based grease can match. These advanced lubricants deliver measurable value, reducing maintenance costs for re-lubrication, component failure and downtime. When compared to conventional lubricants, Krytox™ grease provides less friction and wear, with longer service life for your critical components.

Non-Flammable Non-Migrating BAM Tested

- Seals & Gaskets
- O-Rings
- Regulators
- Cryogenic Pumps
- Quick Connect Fill Tools
- Casters
- Cylinder Valve Stems
- Vacuum Pump Oils

Key Product Benefits of Krytox™ Greases include:

- White, pure, nontoxic, non-reactive, non-flammable, long-lasting, fluorinated synthetic greases
- Safe for chemical and oxygen service; provides radiation resistance



Krytox GPL-226 Grease Jar



Krytox GPL-226 Grease Tube



Krytox GPL-226 Cryo Pump Grease Cartridge



Air Tools/
O-Rings



Casters



Valves



Fill
Connectors



Cryo
Pumps



Vacuum
Pump Oils



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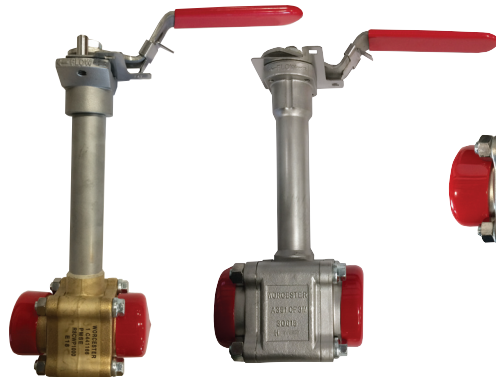
*Coupon not combinable with any other offer. Promotion Discount based on standard industrial selling price.

⚠ WARNING: Cancer & Reproductive Harm – www.P65Warnings.ca.gov. For further information on Proposition 65, please go to www.oehha.ca.gov/proposition-65

**For additional Krytox products,
please call 800-264-7793 or
email sales@rmimfg.com**



Worcestercryogenic Ball Valves & Cryogenic Diverter Ball Valves with Extended and Non-Extended Stem

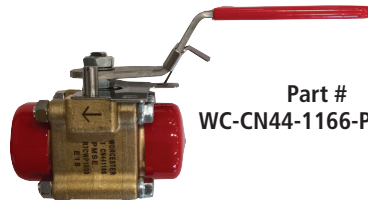


Part #
WC-C44-1166-PMSE-1

Part #
WC-C44-6666-PMSE-2



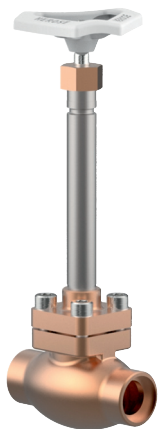
Part #
WC-CN44V1-6666-PMSE-1



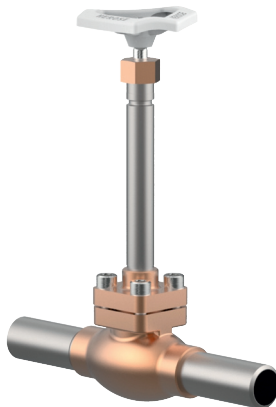
Part #
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MOST
COMMON
CRYOGENIC
PRODUCTS**

Please call in for additional sizes and configurations for all our IN STOCK Valves.



Bronze Globe Valve
Socket Ends
Pt # GVMPB-B-A-ACAA



Bronze Globe Valve
Stainless Steel Stubs
Pt # GVMSSB-C-A-ACAA



Bronze Globe Valve
with Pipe Thread
Pt # GVMTB-C-A-ACAE



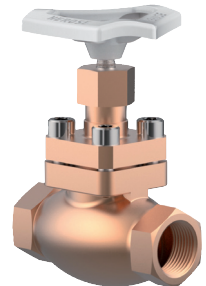
Stainless Steel with
Bronze Globe Valve
Pt # GVMSB-C-A-ACBA



Stainless Steel
Globe Valve
Pt # GVMSS-C-A-ACDA

HEROSE

Globe Valves



Bronze Globe Valve
Pt # GVN-B-C-ACJE

HEROSE Bulk Tank Relief Valves



Available Sizes	Herose Reference Number	To Order Part Number Pressure = (XXX)	Orifice Size	Available Pressures
1/2 x 1	06388.0704.6040	SVB-A-XXX-FCHH	7mm	48-725 psi
1/2 x 1	06388.1004.6040	SVB-C-XXX-FCHH	10.5mm	48-725 psi
3/4 x 1	06388.1006.6040	SVB-D-XXX-FCHH	10.5mm	42-725 psi
1 x 1-1/4	06388.1510.6040	SVB-E-XXX-FCHH	15mm	42-725 psi
1-1/2 x 2	06388.2314.6040	SVB-G-XXX-FCHH	23mm	29-725 psi
2 x 2	06388.2320.6040	SVB-H-XXX-FCHH	23mm	29-725 psi

Dimensions in mm

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov
For further information on Proposition 65, please go to www.oehha.ca.gov/proposition-65

**Use on Diverter
Valves for
Cryogenic Service
Custom Bulk Tank
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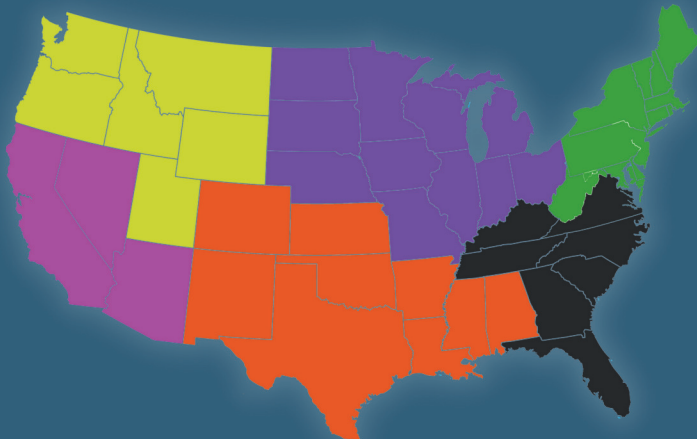
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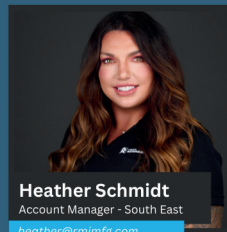
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