



RATERMANN Cryogenics

INDEX

LUBRICANTS, GREASE, OILS & PASTE

| | |
|-------------------------------|-------|
| Krytox™ Grease Uses | 38C-6 |
| Lox-8™ Paste and Grease | 38C-3 |
| PTFE Grease – OC Seven..... | 38C-5 |

SPECIALTY FLUID

| | |
|------------------------------------|-------|
| Vertrel™ MCA Specialty Fluid | 38C-6 |
| Vertrel™ Specialty Fluids | 38C-6 |
| Vertrel™ XF | 38C-6 |

TAPES & PASTE

| | |
|---|-------|
| Lox-8™ Paste and Grease | 38C-3 |
| OC Three PTFE Paste Joint and Thread Sealer | 38C-5 |
| OC Five Paste..... | 38C-5 |
| Green Oxygen PTFE Threaded Seal Tape | 38C-3 |
| PTFE Paste | 38C-3 |
| PTFE Tape | 38C-3 |

VACUUM PUMP OILS & GREASE

| | |
|------------------------------------|-------|
| Vacuum Pump Oils & Grease | |
| Cryo Pump Grease | 38C-2 |
| General Purpose Grease | 38C-2 |
| Grease Gun Cartridge | 38C-2 |
| Premium Zero Flash Point Oil | 38C-2 |

VALVE LEAK CHECK

| | |
|-----------------------|-------|
| Valve Leak Check..... | 38C-4 |
|-----------------------|-------|



Vacuum Pump Oil & Cryo Pump Grease | Flash Point Oil & Grease

Premium Zero Flash Point Oil

Made with PFPE for Longer Pump Life
 • Chemical Inert

100% Oxygen Compatible



Premium Zero Flash Point Krytox™ Oil
 Light Weight Viscosity

| Part # | Description | Size Container |
|-----------------|--------------|----------------|
| KRY-VPF1506.5KG | Krytox™ 1506 | 1/2 kg |
| KRY-VPF15061KG | Krytox™ 1506 | 1 kg |

Standard Weight Viscosity

| | | |
|----------------|--------------|------|
| KRY-VPF15145KG | Krytox™ 1514 | 5 kg |
| KRY-VPF15141KG | Krytox™ 1514 | 1 kg |

Standard Industrial Grade Vacuum Pump Oil

Single and Two Stage Rotary Piston Vacuum Pumps and Rotary Vane Vacuum Pumps



For pumps in Oxygen service we recommend Zero Flash Point Krytox™ Oil.

Standard Industrial Vacuum Pump Oil

| Part # | Description | Size Container |
|-----------|-----------------|----------------|
| VP-PUMP1G | Vacuum Pump Oil | 1 Gallon |

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



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



Use on Valves

Part # CGV-2-F12



Use on Regulators



Use on Casters

Use on Oxygen Dewars and Fittings

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

Cryo Pump Grease for Hot and Cold Ends of Pumps



Part # KRY-GPL226CART

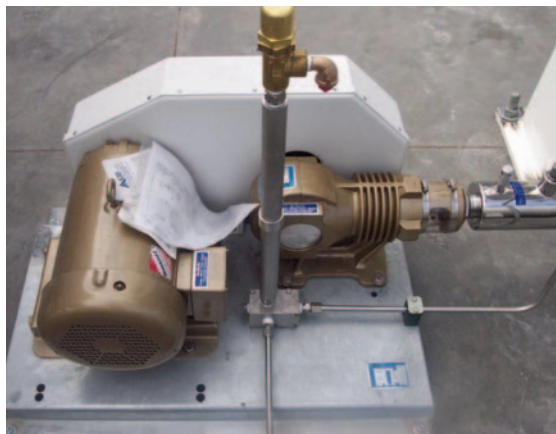
- Cryostar Pumps
- ACD Cryo Pumps
- Bearings
- Krytox™ GPL-226

Cartridge 1.75 Pounds to a Cartridge

General Maintenance

OXYGEN SAFE GREASE with Anti-Corrosion Additive

| Part # | Description | Size Container |
|----------------|---------------------------|----------------|
| KRY-GPL226CART | Krytox™ GPL 226 Cartridge | 1.75 Lb. |
| CART-GUN | Grease Gun H.D. | each |



PTFE and LOX-8™ Pastes and Grease

PTFE Paste and PTFE Tape



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 |

Green Oxygen PTFE Threaded Seal 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 |

Green PTFE Tape

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

See page 38A-12 for Nitrile Latex-Free Gloves



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 |

Oxygen Safe Valve Leak Check

OUR PREMIERE Leak Check

Ratermann's Valve Leak Check is ready to use! Formats available in 8 oz. bottles with 12" extension tube in each bottle, 1 gallon, 5 gallon and 55 gallon drums.



Part # LC-1GAL



Squeeze Bottle with Pull Out Adjustable Tube
Part # LC-8OZ

Ratermann's Valve Leak Check has passed the following corrosion tests:

| | | |
|---|------|--------------|
| 10.1 Aluminum Alloy Alclad (2024) | Pass | No Corrosion |
| 10.2 Aluminum Alloy (2024) ASTM B209-96 | Pass | No Corrosion |
| 10.3 Steel, conforming to SAE-AMS 5046 A-90 | Pass | No Corrosion |
| 10.4 Copper, conforming to ASTM B512 | Pass | No Corrosion |

| Part # | Description | Size |
|----------|---------------------------|-----------|
| LC-8OZ | Leak Check Squeeze Bottle | 8 oz. |
| LC-1GAL | Leak Check – 4 to a case | 1 Gallon |
| LC-5GAL | Leak Check – Pail | 5 Gallon |
| LC-55GAL | Leak Check – Drum | 55 Gallon |

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

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 flurosulfonates.)
- 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).



Spray bottle option available

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.



- 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.

Checking cylinder valves for leaks.

8 oz. Squeeze Bottle comes with Pull Out Adjustable Tube to Deliver Leak Check Solution Where you Need it.

Leak check medical oxygen cylinders

Oxygen Compatible OC Five Paste & OC Seven Grease



OC Five Paste and OC Seven Grease

OC Five Paste, OC Seven Grease and OC Three PTFE Paste Joint & Thread Sealer

are compatible with many aggressive chemicals including the following:

| OC 3 | OC 5&7 | (Please see "X" to the left for compatibility check) |
|------|--------|--|
| X | X | Acetylene |
| X | | Aluminum chloride |
| | X | Ammonium hydroxide |
| X | X | Ammonium nitrate |
| X | X | Ammonium perchlorate |
| X | X | Antimony trichloride |
| | X | Boron trifluoride |
| X | X | Bromine |
| | X | Bromine trifluoride (gaseous) |
| X | X | Calcium hypochlorite |
| X | X | Carbon dioxide |
| | X | Chlorine trifluoride (gaseous) |
| X | X | Chlorosilanes |
| X | X | Chlorosulfonic acid |
| X | X | Chromic acid |
| X | X | Ethylene |
| X | X | Fluorine (gaseous) |
| | X | Fuming nitric oxide |
| X | X | Helium |
| X | X | Hydrogen |
| X | X | Hydrogen bromide |
| | X | Hydrogen fluoride |
| X | X | Hydrogen peroxide (all concentrations) |
| X | X | Hydrogen sulfide |
| X | X | Hydriodic acid |
| X | X | Iodine |
| X | X | Muriatic acid |
| X | X | Nitric acid |
| X | | Nitrogen oxides |
| | X | Nitrogen trifluoride |
| X | X | Oleum |
| X | X | Oxygen (liquid & gaseous) |
| X | X | Phosphoric acid |
| X | X | Potassium perchlorate |
| X | X | Potassium persulfate |
| X | X | Propylene oxide |
| X | X | Silane |
| X | X | Silicone tetrachloride |
| X | X | Sodium |
| | X | Sodium hydroxide (all concentrations) |
| X | | Sodium hypochlorite |
| X | | Sodium perchlorate |
| X | | Sulfur dioxide |
| X | X | Sulfur trioxide |
| X | X | Sulfuric acid |
| X | X | Titanium tetrachloride |
| X | | Uranium hexafluoride |

Oxygen Compatible OC Five Paste & OC Seven Grease

Solutions for critical and demanding applications where no flammability, compatibility with oxygen and resistance to aggressive chemicals are essential.



OC Five Paste and OC Seven Grease are blended formulations consisting of PTFE particles and Halocarbon® oil, producing a superior sealant that is chemically inert and environmentally safe. Both products have been tested and certified by BAM for gaseous and liquid oxygen service.

OC Five and OC Seven can be used in High Vacuum 10-7 Torr applications where exposure to corrosive gases is probable. They are superior lubricants which provide leak tight sealing in a wide range of vacuum requirements. These off-white homogenous grease and paste formulations provide unique sealing and lubricating solutions, as their properties remain unaltered over wide temperature ranges – from cryogenic through thermally stable to +450°F. Both are non-flammable, non-migrating, non-toxic, odorless and waterproof as well as anti-corrosive, anti-galling, anti-seize, dielectric and lubricating.

Cost effective for liquid oxygen, liquid nitrogen, cryogenic and vacuum applications to prevent

and reduce component and equipment failures, maintenance or downtime.

Available in 2 oz. (57 gram) and 16 oz. (454 gram) jars with resealable lid for ease of use and storage.

Not recommended for aluminum against aluminum applications. Do not use with concentrated alkalis, fluorine (liquid) or chlorine trifluoride (liquid).

| | |
|------------|-----------------------------|
| 9002 83 9 | Polychlorotrifluoroethylene |
| 9002 84 0 | Polytetrafluoroethylene |
| 68611 44 9 | Silicon dioxide aerogel |

OC Five Paste and OC Seven Grease

| Part # | Description |
|--------------|-----------------------------|
| OXY-OC5-2OZ | OC Five Paste, 2 oz. Jar |
| OXY-OC5-16OZ | OC Five Paste, 16 oz. Jar |
| OXY-OC7-2OZ | OC Seven Grease, 2 oz. Jar |
| OXY-OC7-16OZ | OC Seven Grease, 16 oz. Jar |

Oxygen Compatible OC Three PTFE Paste Joint & Thread Sealer

OC Three PTFE Paste Joint and Thread Sealer is an aqueous based PTFE formulation. It is a homogenous white paste that penetrates thread convolutions more effectively, and more safely, than PTFE tape. Tested, approved and certified by BAM for gaseous and liquid oxygen service. Use in extreme temperatures (-400° F to +500° F) and Mid Vacuum specifications to 10-3 Torr. OC Three is especially capable for sealing oxygen and acetylene cylinder valves. Easy to apply from its 4 oz. (113.4 gram) squeeze tube with extended nipple and resealing cap. A superior PTFE thread sealant paste that contains these optimal properties:

- Water Soluble / Anti-Galling / Anti-Corrosive
- Anti-Seize / Chemically Inert / Non-Toxic
- Non-Flammable / Non-Migrating / Odorless



Part # OXY-OC3-4OZ



Part # OXY-OC3-650G

| | |
|------------|-------------------------|
| 9002 84 0 | Polytetrafluoroethylene |
| 13463 67 7 | Titanium dioxide |
| 9003 01 4 | Carboxy vinyl polymer |
| 7732185 | H2O (water) |

OC Three Joint and Thread Sealer

| Part # | Description |
|--------------|---------------------------------|
| OXY-OC3-4OZ | OC Three PTFE Paste, 4 oz. Tube |
| OXY-OC3-650G | OC3 PTFE Paste, 650 Gram Jar |

Krytox™ Grease and Oil Uses | Vertrel™ Specialty Fluids



Krytox™ GPL-102 Oil

For use in air tools or o-ring seals around oxygen.

- Packaged in a convenient 0.5 kg size container.

Part # KRY-GPL1020.5KG

**Call
Customer Service
1-800-264-7793**
*Larger sizes
available upon
request.*



Krytox™ GPL-226 Grease

Can be used on such things as metal to metal surface in contact with liquid oxygen or compressed oxygen. Liquid cylinder casters, cylinder valve stems, for use where moisture might be present.

Part # KRY-GPL2262
Part # KRY-GPL2268



Krytox™ GPL-226 Grease 1/2 KG Jar

Part # KRY-GPL2260.5KG



Krytox™ GPL-226 Grease 2 Oz. Tube

Part # KRY-GPL2262



Krytox™ GPL-203 Grease

For use on medical o-ring seals such as the QF-H870 fill connectors or the QFT-540 connectors. Can also be used on medical fill racks for general lubrication.

Part # KRY-GPL20320Z
Part # KRY-GPL20380Z

Vertrel™ MCA Specialty Fluid

Vertrel™ MCA specialty fluid is a proprietary azeotrope consisting of Vertrel™ XF and trans-1,2 dichloroethylene. Its enhanced solvency makes it very effective for precision and specialty cleaning jobs, especially with difficult soils. It is an ideal product for use in vapor degreasers.

Unique physical properties include a high density, low viscosity, and low surface tension. This combined with non-flammability, chemical and thermal stability, low toxicity, and ease of reclamation by distillation make Vertrel™ MCA ideal for a broad range of applications.

**Vertrel MCA –
1 gallon**
Part # VER-MCA-1G



Vertrel™ MCA Specialty Fluid

| Part # | Description |
|-------------------|------------------------------------|
| VER-MCA-1G | Vertrel MCA 1-Gallon |
| VER-MCA-5G | Vertrel MCA 5-Gallon |
| VER-MCA9751-SPRAY | Vertrel MCA 9751 Aerosol Spray Can |

Vertrel™ Specialty Fluids

Vertrel™ specialty fluids are a family of hydrofluorocarbon, oxygen-safe solvents with "zero" ozone depletion and low global warming potential; ideal for precision cleaning, rinsing, drying, and carrier-fluid applications.



Vertrel XF – 1 gallon
Part # VER-XF-1G

Vertrel™ XF

Vertrel™ XF is a proprietary hydrofluorocarbon fluid with zero ozone-depletion and a low global warming potential ideally suited for use in vapor degreasing equipment for cleaning, rinsing, and drying. It can replace current hydrochloro-fluorocarbon (HCFC) and perfluorocarbon (PFC) fluids in most applications.

Unique physical properties include a high density, low viscosity, and low surface tension. This combined with non-flammability, chemical and thermal stability, low toxicity, and ease of recovery by distillation make Vertrel™ XF ideal for a broad range of applications. Solvency is selective, but can be enhanced by use of appropriate azeotropes and blends with alcohols, hydrocarbons, esters, etc.

Vertrel™ XF is ideally suited for cleaning fine particulate matter (submicron range) from metal and non-metal parts.

Vertrel™ XF

| Part # | Description |
|-----------|---------------------|
| VER-XF-1G | Vertrel XF 1-Gallon |
| VER-XF-5G | Vertrel XF 5-Gallon |

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



RATERMANN Cryogenics

INDEX

| | |
|--------------------------------------|--------|
| Ball Valve Lockouts | 39A-3 |
| Butterfly Valve Lockouts..... | 39A-3 |
| Circuit Breaker Lockouts..... | 39A-4 |
| Electrical Switch Lockouts..... | 39A-4 |
| Lock and Protect Your Valves | |
| "The Original" Lockout..... | 39A-2 |
| Electrical Plug Lockouts | 39A-2 |
| Lockout Kits..... | 39A-10 |
| Lockout / Tagout Identification..... | 39A-8 |
| Marking Pen | 39A-8 |
| Lockout / Tagout Stations..... | 39A-9 |
| Master Lock® Steel Padlocks | 39A-6 |
| Metal Lockout Hasps..... | 39A-5 |
| Padlocks & Key Storage Systems..... | 39A-11 |
| Safety Lockout Hasps | 39A-5 |
| Valve Lockout Application..... | 39A-12 |
| Xenoy Safety Padlocks | 39A-6 |

ACCESSORIES

| | |
|-----------------------------|-------|
| Accessories for Padlocks | |
| Lock Labels | 39A-7 |
| Magnetic Lockout Signs..... | 39A-7 |
| Self-Sticking Vinyl | 39A-7 |

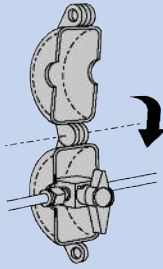


Lock & Protect Your Valves

WITH "THE ORIGINAL" LOCKOUT • *Safely • Efficiently • Inexpensively*



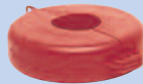
Special Application For Small Valves:
Modification: Drill a hole aligned with the first and close the lockout to completely cover the valve.



The V-SAFE valve cover consists of two flattened half moons that completely cover the valve wheel.

- Made of strong "Polypropylene" plastic.
- Fully dielectric.
- Highly resistant to cracking and abrasion.
- Resistant to extreme temperature changes from - 50° F (- 46° C) to 360° F (183° C).

V-Safe Wheel Valve Lockouts



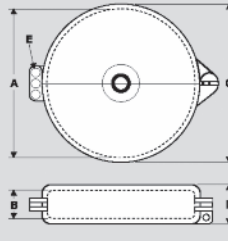
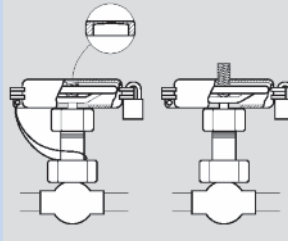
RED LIQUID

Color recommended in ANSI Z353.1



TECHNICAL DATA 5 different sizes to cover valve handles from 1" to 14" diameter

| Part Numbers | Inside Diameter | A | Inside Height B | Outside Diameter C | Outside Height D | Lock Hole E | Valve Handle Size |
|--------------|-----------------|--------|------------------|--------------------|--------------------|-------------------|-------------------|
| LOVS02R | 2.75" 70 mm. | 1.250" | 1.250" 32 mm. | 3.000" 76 mm. | 1.500" 38 mm. | 0.312" 8 mm. | 1" - 2 1/2" |
| LOVS04R | 5" 130 mm. | 1.250" | 1.250" 32 mm. | 5.500" 140 mm. | 1.750" 44 mm. | 0.375" 9.5 mm. | 2 1/2" - 5" |
| LOVS06R | 6.5" 170 mm. | 1.500" | 1.500" 38 mm. | 7.000" 177 mm. | 2.000" 50 mm. | 0.375" 9.5 mm. | 5" - 6 1/2" |
| LOVS09R | 10" 257 mm. | 2.000" | 2.000" 50 mm. | 10.500" 267 mm. | 2.500" 63 mm. | 0.375" 9.5 mm. | 6 1/2" - 10" |
| LOVS13R | 14" 355 mm. | 2.500" | 2.500" 63 mm. | 14.500" 368 mm. | 3.000" 73.8 mm. | 0.375" 9.5 mm. | 10" - 14" |



DRILLPOINT:
If needed, cut the recessed section – the valve stem through into the open position.

Electrical Plug Lockouts

Protect your Employees with the E-Safe Lock-A-Plug

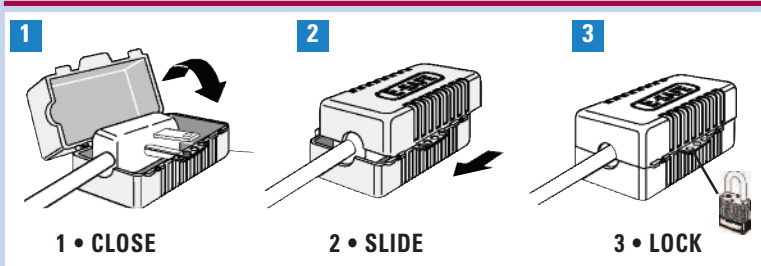
The E-SAFE "LOCK-A-PLUG" completely encloses the plug from any accidental reconnection. The electrical cable is inserted through the opening and then closed. The single entry (LO-LP110) or multiple entry (LO-LP550) locking system avoids usage by unauthorized personnel during critical times. The E-SAFE is a practical and positive protection system. Made out of "Polypropylene" plastic, it is totally dielectric, resists cold or hot temperatures up to 300° F / 149° C, has a sliding closure and an integrated multiple lockout.

LO-LP110

Will accept 110 volts and certain models of the 220 volt plug up to 13/4" x 13/4" x 31/4" (44.5 mm. x 44.5 mm. x 82 mm.) in size with a maximum cable diameter of 0.500" (12mm.).



INSTALLATION INSTRUCTIONS



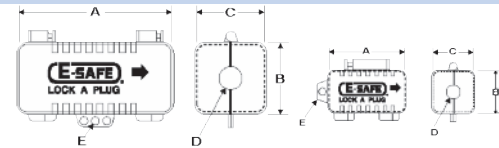
TECHNICAL DATA

Dimensions: E-SAFE LOCK-A-PLUG

| Models | Inside Length | A | Inside Height B | Inside Width C | Cable Hole D | Lock Hole E |
|----------|-------------------|--------|--------------------|--------------------|------------------|-----------------------|
| LO-LP110 | 3.250" 82 mm. | 1.750" | 1.750" 44.5 mm. | 1.750" 44.5 mm. | 0.500" 12 mm. | 0.312" dia 8 mm. |
| LO-LP550 | 6.750" 170 mm. | 3.000" | 3.000" 76 mm. | 3.000" 76 mm. | 1.000" 25 mm. | 0.375" dia 9.5 mm. |

LO-LP550

LO-LP110



LO-LP550

Will accept 220 volts and 550 volt plugs up to 3" x 3" x 6 3/4" (76 mm. x 76 mm. x 170 mm.) in size with maximum cable diameter of 1.000" (25 mm.).

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>

Ball Valve Lockouts | Butterfly Valve Lockouts

Ball Valve Lockouts • Safely • Efficiently • Inexpensively

- LOBS01** Valves from 3/8" to 1 1/4" (9.5 mm. to 31.5 mm.)
- LOBS02** Valves from 1 1/2" to 2 1/2" (37.5 mm to 62.5 mm.)
- LOBS03** Valves from 2" to 8" (50 mm. to 200 mm.)

- Made of strong "Polypropylene" plastic.
- Fully dielectric.
- Highly resistant to solvents and other chemical products.
- Highly resistant to cracking and abrasion.
- Resistant to extreme temperature changes
- 50° F (- 46° C) to 360° F (183° C).



LOBS03
The largest ball valve lockout available on the market.

3 different sizes to lockout your Ball Valves.



AVAILABLE IN 4 COLORS:
RED, YELLOW, BLUE & GREEN (COLORS RECOMMENDED IN ANSI Z353.1)



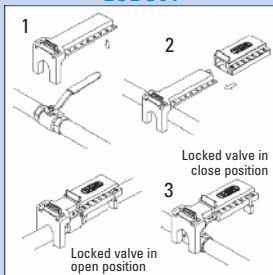
TECHNICAL DATA

Note:
Only the LOBS01 can lock in the open position.

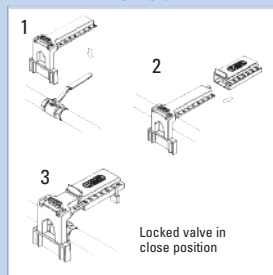
| Models | Width A | Height B | Length of Handle C | Lock Hole D |
|--|-------------------|-------------------|---|----------------------|
| LOBS01-R LOBS01-Y LOBS01-B LOBS01-G | 3.100" 80 mm. | 3.250" 82 mm. | 5.375" to 7.500" 135 mm. to 190 mm. | 0.312" dia. 8 mm. |
| LOBS02-R LOBS02-Y LOBS02-B LOBS02-G | 3.750" 95 mm. | 5.000" 125 mm. | 7.500" to 10.000" 190 mm. to 250 mm. | 0.312" dia. 8 mm. |
| LOBS03-R LOBS03-Y LOBS03-B LOBS03-G | 4.000" 100 mm. | 7.450" 186 mm. | 12.000" to 17.500" 300 mm to 438 mm | 0.312" dia. 8 mm. |

ASSEMBLY INSTRUCTIONS

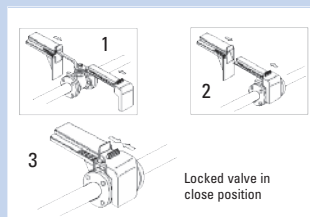
LOBS01



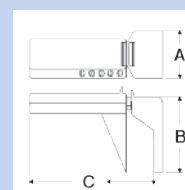
LOBS02



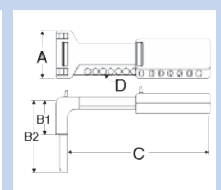
LOBS03



LOBS03



LOBS01 / LOBS02



Butterfly Valve Lockouts *The Only Way to Secure your Butterfly*

UNIVERSAL LOCKOUT FOR BUTTERFLY VALVES

LO-BS04

Features:

- Made of strong "Polypropylene" plastic.
- Fully dielectric.
- Highly resistant to solvent and other chemical products.
- Highly resistant to cracking and abrasion.
- Resistant to extreme temperature changes
-50° F (-46° C) to 360° F (183° C).

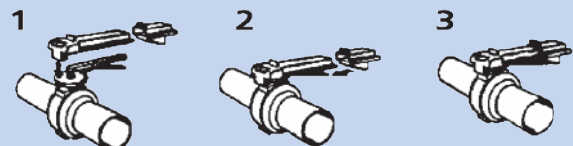
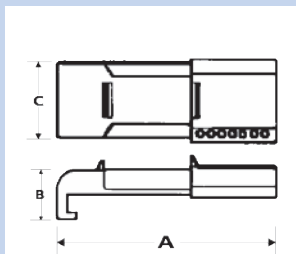
AVAILABLE IN 4 COLORS: RED, YELLOW, GREEN & BLUE
(COLORS RECOMMENDED IN ANSI Z353.1)



TECHNICAL DATA

| Model | Length A | Height B | Width C | Lock Hole D |
|----------------|----------------|------------------|-------------------|-------------------|
| LO-BS04 | 12" 305 mm. | 2.750" 70 mm. | 4.000" 102 mm. | 0.375" 9.5 mm. |

ASSEMBLY INSTRUCTIONS



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>

Circuit Breaker Lockouts | Electrical Switch Lockout

Circuit Breaker Lockouts

Constructed of rigid plastic, the new C-SAFE circuit breaker lockouts are now available for either single or double pole circuit breaker lockout applications.



LO-CB01

A single pole lockout, CB01 requires a switch breaker with a recessed hole in it.



LO-CB02

The LO-CB02, is a double pole lockout and requires the breakers to be connected with a cross bar for lockout application.



LO-CB03

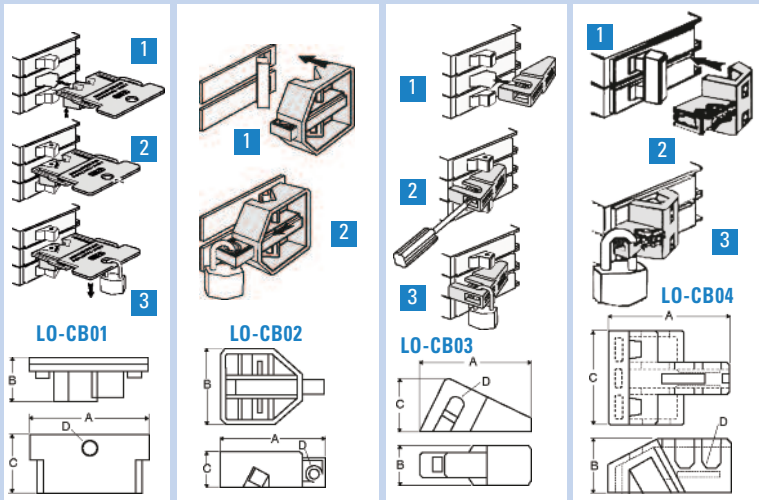
A single pole lockout, LO-CB03 does not require a switch breaker with a recessed hole in it.



LO-CB04

Our double pole circuit breaker lockout LO-CB04 will fit most major brands of electrical circuit breakers. If this lockout does not fit, it may be returned.

ASSEMBLY INSTRUCTIONS



TECHNICAL DATA

DIMENSIONS: C-SAFE CIRCUIT BREAKER LOCKOUTS

| Models | Length A | Height B | Width C | Lock Hole D |
|----------------|------------------|------------------|--------------------|-----------------------|
| LO-CB01 | 2.300" 58 mm. | 0.850" 22 mm. | 1.100" 28 mm. | 0.300" dia 7.5 mm. |
| LO-CB02 | 2.625" 66 mm. | 1.875" 48 mm. | 1.000" 25 mm. | 0.300" dia 7.5 mm. |
| LO-CB03 | 2.300" 58 mm. | 0.750" 19 mm. | 1.000" 25 mm. | 0.340" 8.5 mm. |
| LO-CB04 | 2.375" 60 mm. | 1.000" 25 mm. | 1.865" 47.5 mm. | 0.375" 9.5 mm. |

LO-CB01 Our single pole breaker lockout requires a single toggle with a recessed hole in it.
 1 • To install, simply open the lock by sliding the base of the lock backwards.
 2 • Place over the toggle, making sure that the small pole inside the lockout device is now inserted into the hole of the toggle. Close the lockout by pushing the base forward after ensuring that the holes are aligned.
 3 • You are now ready to install your lock. This model will accommodate breakers up to 9/16" (14mm.) in width. **Remember**, the breaker must be in the "off" position before installing.

LO-CB02 Our double pole breaker lockout requires that there be two toggles connected together with a cross bar.
 1 • To install, place over the toggles with the slotted side of the lockout covering the toggles.
 2 • Pull the slide bar out to attach your lock. This model will accommodate breakers with an overall width of 5/8" (45mm).
Remember, the breaker must be in the "off" position before installing.

LO-CB03 This model is our single breaker lockout for circuit breakers that do not have a recessed hole.
 1 • To install, the breaker must be in the "off" position. Place the breaker over the toggle.
 2 • Insert your screwdriver (star type) into the hole, tighten the screws well.
 3 • Insert your lock or tag and close. Make sure everything is tight.
 This model will accommodate circuit breakers with an overall width of 9/16" (14mm).
Remember, the breaker must be in the "off" position before installing.

LO-CB04 Our double pole breaker lockout requires that there be two toggles connected together with a cross bar.
 1 • Pull the slider bar and place the breaker lockout over the breakers.
 2 • Push back the slider bar and put your lock on aligned holes.
 This model will accommodate double or triple breakers.
Remember, the breaker must be in the "off" position before installing.

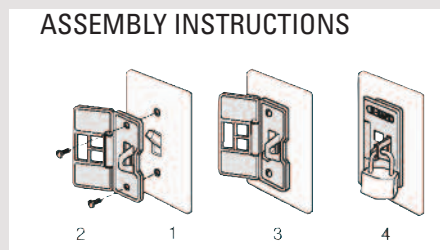
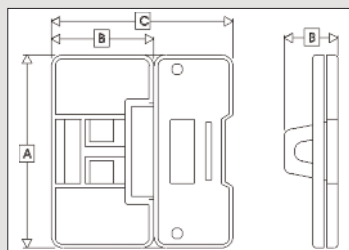
Electrical Switch Lockout *The Ultimate Protection with the E-SAFE Lock-A-Switch*

E-SAFE "LOCK-A-SWITCH" This easy to install device can be used with most mounted switches. It can be used to lock the switch in either the "on" or "off" position. (Install using existing screws). Standard package: 6 devices.

- Remove screws from switch plate.
- Adjust "E-SAFE" locking device over the switch plate and install it on switch.
- Position switch to desired position.
- Close "E-SAFE" device and put on your padlock and tag.



ASSEMBLY INSTRUCTIONS



TECHNICAL DATA

Dimensions: E-SAFE LOCK-A-SWITCH

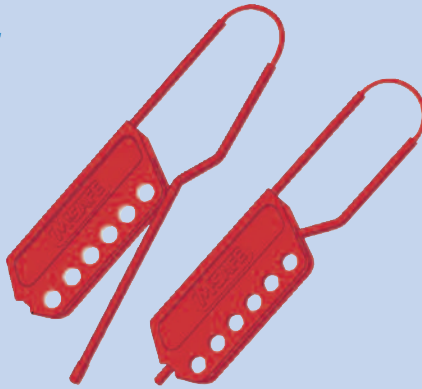
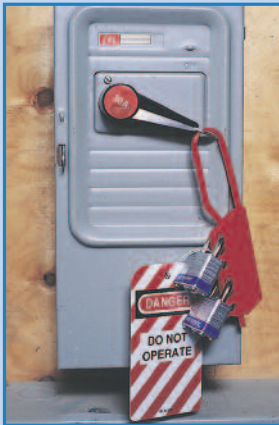
| Model | Height A | Width Close B | Width Open C |
|----------------|------------------|------------------|------------------|
| LO-ES01 | 3.000" 76 mm. | 1.625" 42 mm. | 3.000" 76 mm. |

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>

Safety Lockouts HASPS | Metal Lockout HASPS

Safety Lockout HASPS

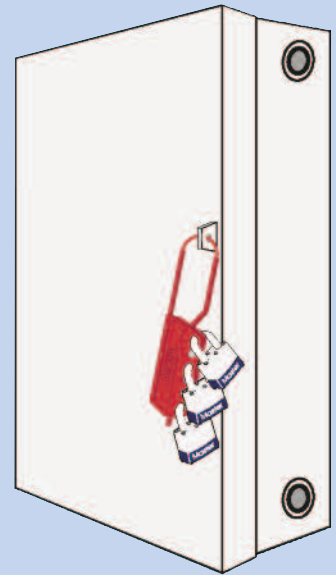
The Totally Dielectric Lockout



#LO-MS01

Features:

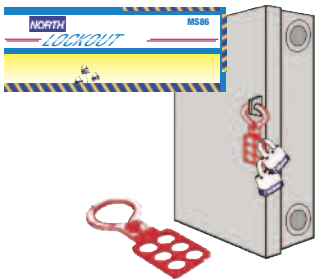
- Made of Heavy Duty Nylon
- Bright Red Color for Hi-Visibility
- Unbreakable
- Heat & Cold Resistant
- Highly Flexible
- Holds 6 Padlocks
- Dielectric



- Inexpensive • Versatile • Dielectric

MORE THAN ONE EMPLOYEE CAN LOCKOUT THE SAME ENERGY SOURCE FOR ADDED SAFETY

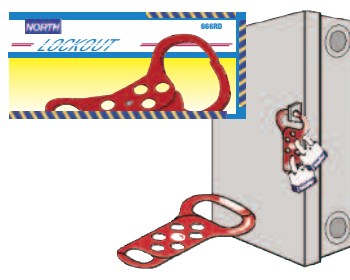
Metal Lockout HASPS *Four Models Available*



LO-MS86

METAL LOCKOUT HASP

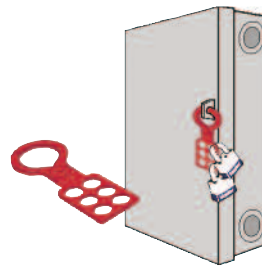
With 1" dia. jaw opening, 4 3/8" length, Single scissor type, Rubber dipped handle, Accommodates six padlocks, made of tempered steel, individually packed-72/box.



LO-666RD

METAL LOCKOUT HASP

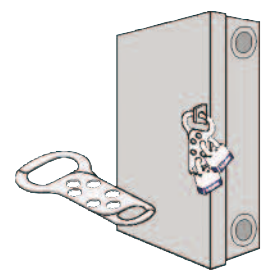
Dual opening, 1 3/4" dia. and 3/4" dia. Dual scissor type 5 1/4" length. Painted red. Accommodates six padlocks, made of tempered steel, individually packed-60/box.



LO-R60ML

METAL LOCKOUT HASP

With 1" dia. jaw opening, 4 3/8" length. Single scissor type. Painted red. Accommodates six padlocks, made of tempered steel, bulk pack-96/box.



LO-666

METAL LOCKOUT HASP

Dual opening, 1 3/4" dia. & 3/4" dia. Dual scissor type 5 1/4" length, Plated steel to resist rust (clear). Accommodates six padlocks, made of tempered steel, bulk pack-96/box.

ALL THESE LOCKOUT HASPS WILL ACCEPT SIX PADLOCKS UP TO 3/8" DIAMETER SHACKLES WITH SIX LOCKOUT TAGS

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>

Master Lock® Steel Padlocks and Xenoy Safety Padlocks

Steel Padlocks

Industrial-quality steel padlocks have superior strength and security

- These Master Lock padlocks have a steel case that features cadmium rust proofing for lasting strength
- The steel padlock body measures 1-1/2" wide and the shackle diameter is 9/32"
- The 4-pin cylinder is ideal for most lockout procedures
- Choose from 4 different shackle sizes: 3/4", 1-1/2", 2", and 5-3/4"
- Master Lock Steel Padlocks are available with Black, Blue, Green, Red, Yellow, or White bumpers (use color-coded locks to distinguish departments or work teams)
- Each high security padlock is keyed differently and includes 2 keys
- Lockout Hasp in picture sold separately

FEATURES CADMIUM RUST PROOFING



Ordering Information

| Shackle Length | Keyed Differently | Keyed Differently w/ Master Key* | Keyed Alike | Keyed Alike w/ Master Key* |
|----------------|-------------------|----------------------------------|----------------|----------------------------|
| 3/4" | PLS-34KDx-PK6 | PLS-34KDMx-PK6 | PLS-34KAx-PK6 | PLS-34KAMx-PK6 |
| 1 1/2" | PLS-112KDx-PK6 | PLS-112KDMx-PK6 | PLS-112KAx-PK6 | PLS-112KAMx-PK6 |
| 2" | PLS-2KDx-PK6 | PLS-2KDMx-PK6 | PLS-2KAx-PK6 | PLS-2KAMx-PK6 |

Replace "x" in the part number with Color Bumper code:

BK – Black, BL – Blue, GR – Green, RD – Red, YW – Yellow, WH – White

Includes 2 Keys per Padlock

Additional Master Keys available upon request (1 included with order)

Other Package Quantities available upon request.

Xenoy Safety Padlocks

Color-coded safety padlocks and tags combined for easy identification

- These lightweight Xenoy plastic padlocks are virtually indestructible
- Each of these lockout padlocks features a steel shackle that is 1/4" in diameter and a "Danger" label instructing readers that equipment is locked out
- The back of each Master Lock keyed padlock has a label with space to write the user's name and department
- Safety padlocks have a 6-pin cylinder for added security
- These Master Lock padlocks are available in 8 colors: Black, Blue, Green, Orange, Purple, Red, Teal and Yellow
- Choose from 3 sizes: 1-3/4" high lock body with 1-1/2" or 3" shackle or 3" high lock body with 1-1/2" shackle
- Key retaining feature ensures the padlock is not left unlocked

XENOY PLASTIC SAFETY PADLOCKS ARE VIRTUALLY INDESTRUCTIBLE



Ordering Information

| Lock Body | Shackle Length | Keyed Differently | Keyed Differently w/ Master Key* | Keyed Alike | Keyed Alike w/ Master Key* |
|-----------|----------------|-------------------|----------------------------------|------------------|----------------------------|
| 1 3/4" H | 1 1/2" | PLX-S112KDx-SPK6 | PLX-S112KDMx-SPK6 | PLX-S112KAx-SPK6 | PLX-S112KAMx-SPK6 |
| 1 3/4" H | 3" | PLX-S3KDx-SPK6 | PLX-S3KDMx-SPK6 | PLX-S3KAx-SPK6 | PLX-S3KAMx-SPK6 |
| 3" H | 1 1/2" | PLX-T112KDx-TPK6 | PLX-T112KDMx-TPK6 | PLX-T112KAx-TPK6 | PLX-T112KAMx-TPK6 |

Replace "x" in the part number with Color Bumper code:

BK – Black, BL – Blue, GR – Green, OR – Orange, PR – Purple, RD – Red, TL – Teal, YW – Yellow

Includes 1 Keys per Padlock

Additional Master Keys available upon request (1 included with order)

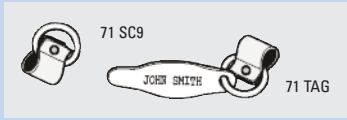
Other Package Quantities available upon request.



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>

Accessories for Padlocks | Lock Labels | Magnetic Lockout Signs

Identification Tags and Collars



L071 TAG 1/2" x 1-3/4" BRASS TAG WITH RING (PACK OF 12)

L071 SC9 COLLAR COMPLETE WITH RIVETS FOR TAG (PACK OF 12)

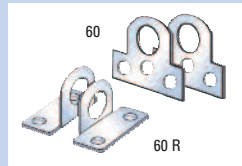


• **Chain Attachment**
9" chain with chain holder for permanently attaching lockouts at pre-designated locations (control or valve sites).

#L071CS 9" chain attachment with chain holder. Available in pack of 12

Padlock Eyes

These padlock eyes will help you comply with OSHA standards, when the equipment has to be modified to accept locks and lockout devices. Two types of mounting eyes are available. Surface mount or inside mount.



L060 SURFACE MOUNT (FLAT) AVAILABLE IN PACK OF 12 PAIRS

L060R INSIDE MOUNT (RIGHT ANGLED) AVAILABLE IN PACK OF 6 PAIRS

Group Lock Box

To be used for work team lockout situations where there are multiple employees, energy sources, machines and processes to be locked out. All keys are stored in the lock box. The group leader or foreman then locks the box until the job is complete and all group members are cleared from work area. Heavy steel construction.



LOGLB01 Group lock box.

13 Lock Group Lock Box

Simplifies lockout of large equipment. After machine or process is locked out, the key or keys are placed in a lock box. Then, each authorized work team member places a personal lock or tagout device to the group lock box. Ensures that no one employee has access to the box unless all employees have removed their locks or tags. Accepts up to 13 individual locks. Heavy steel construction.



LOGLB02 Group lock box.

Self-Laminating Padlock Labels



LOLKA142

◀ 3/4" x 5"

Self-laminating padlock labels are an easy way to identify employee's locks. These labels are made of aluminum foil with permanent pressure-sensitive adhesive backing. Write on decals with ballpoint pen or typewriter.

Available in: Red, Green, Blue, Yellow or White.

STANDARD PACKAGE (50 units)

TO ORDER SPECIFY # ITEM, MATERIAL AND COLOR



Magnetic Lockout Signs



3 1/2" x 5"
7" x 5" LOLKA134



3 1/2" x 5"
7" x 5" LOLKA136



3 1/2" x 5"
7" x 5" LOLKA138



3 1/2" x 5"
7" x 5" LOLKA140

Magnetic signs stay put when placed on a metal surface and the magnetic material allows the signs to be moved to where employees attention is needed.

3 1/2" x 5" add suffix/3mg
7" x 5" add suffix/4mg

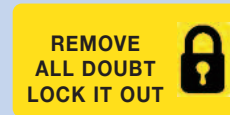
Self-Sticking Vinyl



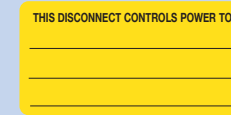
2 1/4" x 4 1/2" LOLKA124



2 1/4" x 4 1/2" LOLKA122



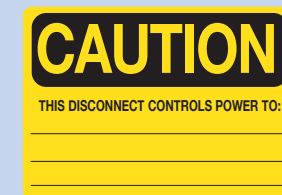
2 1/4" x 4 1/2" LOLKA126



2 1/4" x 4 1/2" LOLKA128



2 1/4" x 4 1/2" LOLKA130



3 1/2" x 5"
5" x 7" LOLKA132

add suffix:
2 1/4" x 2 1/4" /1SV
3 1/2" x 5" /3SV
5" x 7" /4SV

STANDARD PACKAGE (10 units)

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>

Lockout / Tagout Identification



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA102**



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA108**



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA116**



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA118**



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA104**



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA110**



LOCKOUT PROCEDURES ARE POSTED IN THE OPERATING AREA AND / OR BY THE MAIN ENERGY SOURCE OF EACH MACHINE.

IF YOU HAVE ANY QUESTIONS ABOUT THE LOCKOUT PROCEDURES, PLEASE SEE YOUR SUPERVISOR OR THE SAFETY DIRECTOR.

THE STANDARD WILL BE STRICTLY ENFORCED.

14" x 20"
Styrene only **LO-LKA114/7ST**



3 1/2" x 5" Vinyl only **LO-LKA120**



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA106**



3 1/2" x 5"
7" x 10" - 10" x 14" **LO-LKA112**

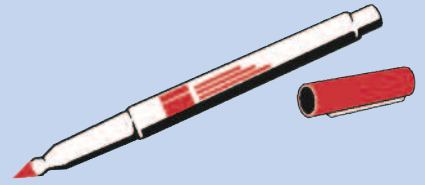
| DIMENSIONS | 3 1/2 x 5 | 7 x 10 | 10 x 14 | 14 x 20 |
|------------|--|--------|---------|---------|
| | • STYRENE | | 5ST | 6ST |
| MATERIALS | • SELF-STICK VINYL | 3VY | 5VY | 6VY |
| | • SELF-STICK POLYCARBONATE | | 5PA | 6PA |
| | • POLYCARBONATE LAMINATED ON ALUMINIUM | | 5PM | 6PM |

TO ORDER SPECIFY ITEM #, SIZE AND MATERIAL

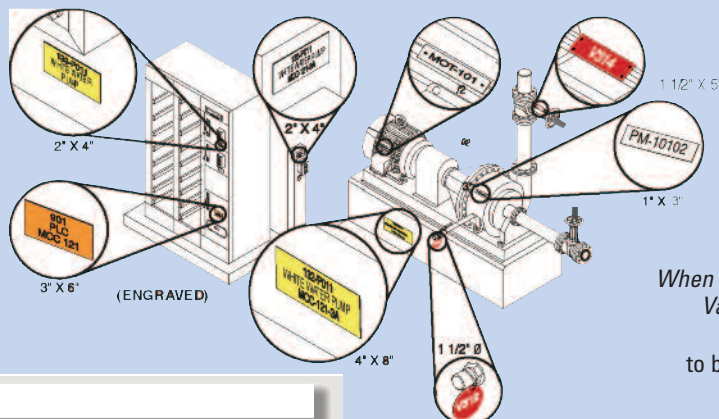
Marking Pens Used on Safety Tags

Fast drying permanent ink,
Fine tip.

| Models No. | Color | Description | Qty/Pkg |
|-----------------|-------|------------------------|---------|
| LO-PEN 1 | Black | Color of cap indicates | 12 |
| LO-PEN 2 | Red | color of ink | 12 |



Lockout / Tagout Identification



Plastic Only



EQUIPMENT TAGS

| MODELS | | MAT. | SIZE | Up to 4 lines | | |
|----------|----------|-----------|---------|---------------|--------|---|
| IDA1X3/1 | IDA1X3/2 | ALUMINIUM | 1" X 3" | 1 | 2 | |
| IDA2X4/1 | IDA2X4/2 | 1/32" | 2" X 4" | 1 | 2 | |
| IDP1X3/2 | IDP1X3/4 | | 1" X 3" | 1 or 2 | 3 or 4 | |
| IDP2X4/2 | IDP2X4/4 | LAMICOID | 2" X 4" | 1 or 2 | 3 or 4 | |
| IDP3X6/2 | IDP3X6/4 | PLASTIC | 3" X 6" | 1 or 2 | 3 or 4 | |
| IDP4X8/2 | IDP4X8/4 | 1/16" | 4" X 8" | 1 or 2 | 3 or 4 | |
| IDS1X3/1 | IDS1X3/2 | STAINLESS | 1" X 3" | 1 | 2 | |
| IDS2X4/1 | IDS2X4/2 | STEEL | 1/32" | 2" X 4" | 1 | 2 |

When Ordering Equipment Tags
Add **LO-** to beginning of model number when ordering. For example, model number IDA1X3/1 will become **LO-IDA1X3/1**

When Ordering Valve Tags
Add **LO-** to beginning of model number when ordering. For example, model number IDVLR01 will become **LO-IDVLR01**

| MODELS | MATERIALS | |
|---------|-----------|---|
| IDVLR01 | BRASS | ● |
| IDVLT01 | 1/32" | ▲ |
| IDVLC01 | | ■ |
| IDVAR01 | ALUMINIUM | ● |
| IDVAT01 | 1/32" | ▲ |
| IDVAC01 | | ■ |
| IDVAC02 | | ■ |
| IDVPR01 | LAMICOID | ● |
| IDVPT01 | PLASTIC | ▲ |
| IDVPC01 | 1/16" | ■ |
| IDVPC02 | 1 side | ■ |
| IDVPC03 | 2 sides | ■ |

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>

Lockout / Tagout Stations

Offering convenient and high visibility Lockout / Tagout centers that make your Locks, Tags, Lockout Hasps and Lockout devices (V-SAFE, B-SAFE, C-SAFE and E-SAFE and M-SAFE Hasps) easy to find and use. These Lockout / Tagout centers are built for the toughest conditions. They are made of double molded polystyrene with plastic or metal hanging hooks for locks and lockout hasps.

LO-LSE101 (Panel only)
LO-LSE101 F (Panel complete w/fill)

| QTY. | CONTENTS |
|-------|---|
| 1 ea. | LO-LSE101 Lockout Panel |
| 2 ea. | LO-VS02 V-SAFE lockout 2" |
| 1 ea. | LO-VS04 V-SAFE lockout 4" |
| 1 ea. | LO-VS06 V-SAFE lockout 6" |
| 1 ea. | LO-BS01 B-SAFE lockout |
| 2 ea. | LO-LP110 E-SAFE lockout 110-220 volts. |
| 1 ea. | LO-LP550 E-SAFE lockout 220-550 volts. |
| 1 ea. | LO-MS86 M-SAFE metal hasp. |
| 4 ea. | LO-MS01 M-SAFE nylon hasp. |
| 1 ea. | LO-ELA290 |
| 1 ea. | DO NOT OPERATE TAGS/ 25 LO-ELA255 |
| 1 ea. | DO NOT OPEN TAGS/ 25 LO-3D Master lock |

18" x 24"

SMALL LOCKOUT STATIONS
 Model: **LO-LSE101 F (Full)**

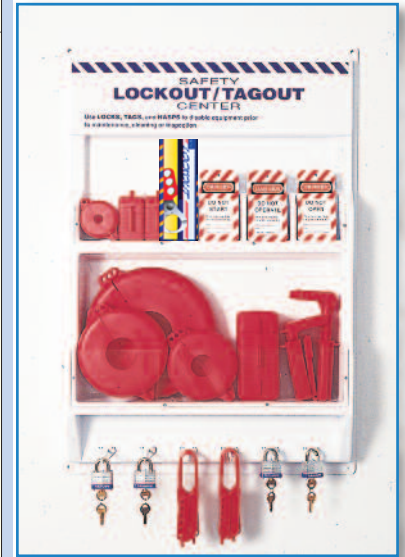


LO-LSE102 (Panel only)
LO-LSE102 F (Panel complete with fill)

| QTY. | CONTENTS |
|-------|---|
| 1 ea. | LO-LSE102 Lockout Panel |
| 2 ea. | LO-VS02 V-SAFE lockout 2" |
| 1 ea. | LO-VS04 V-SAFE lockout 4" |
| 1 ea. | LO-VS06 V-SAFE lockout 6" |
| 1 ea. | LO-VS09 V-SAFE lockout 9" |
| 1 ea. | LO-BS01 B-SAFE lockout |
| 1 ea. | LO-BS02 B-SAFE lockout |
| 2 ea. | LO-LP110 E-SAFE lockout 110-220 volts. |
| 1 ea. | LO-LP550 E-SAFE lockout 220-550 volts. |
| 2 ea. | LO-MS86 M-SAFE metal hasp |
| 6 ea. | LO-MS01 M-SAFE nylon hasp |
| 1 ea. | LO-ELA290 DO NOT OPERATE TAGS / 25 |
| 1 ea. | LO-ELA250 DO NOT START TAGS / 25 |
| 1 ea. | LO-ELA255 DO NOT OPEN TAGS / 25 |
| 2 ea. | LO-3D Master lock |
| 2 ea. | LO-3DLF Master lock |

24" x 35"

LARGE LOCKOUT STATIONS
 Model: **LO-LSE102 F (Full)**

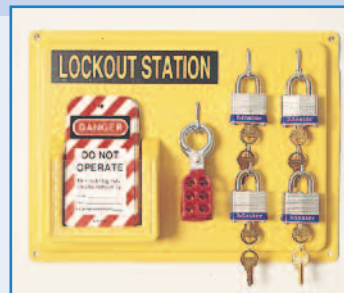


Lockout Stations



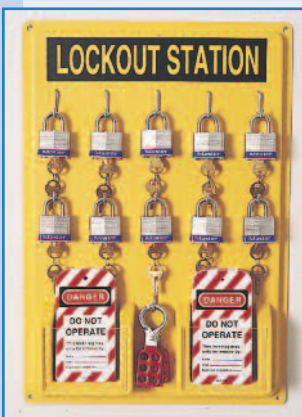
- Contents:**
- 4 ea. 3D Master locks (Blue bumper padlock).
 - 1 pk. ELA290 DO NOT OPERATE TAGS (Pack /25).

PERSONAL LOCKOUT STATION (11" x 14")
LO-LSE103 Station only.
LO-LSE103F Station with fill.



- Contents:**
- 4 ea. 3D Master locks (Blue bumper padlock).
 - 1 pk. ELA290 DO NOT OPERATE TAGS (Pack /25).
 - 3 R60 ML 1" SAFETY LOCKOUT HASPS.

4 LOCKOUT STATION (11" x 14")
LO-LSE104 Station only.
LO-LSE104F Station with fill.



- Contents:**
- 10 ea. 3D Master locks (Blue bumper padlock).
 - 2 pk. ELA290 DO NOT OPERATE TAGS (Pack /25)
 - 3 R60 ML 1" SAFETY LOCKOUT HASPS.

TEN LOCKOUT STATION (14" x 21")
LO-LSE105 Station only.
LO-LSE105F Station with fill.



- Contents:**
- 20 ea. 3D Master locks (Blue bumper padlock).
 - 4 pk. ELA290 DO NOT OPERATE TAGS (Pack /25).
 - 6 R60 ML 1" SAFETY LOCKOUT HASPS.

Departmental Lockout Station (21" x 29")
LO-LSE106 Station only.
LO-LSE106F Station with fill.

NOTICE: Each lock is keyed differently, unless advised otherwise.

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>

Lockout Kits



LOLK107FE Lockout/Tagout Kit

It is imperative that workers properly lockout/tagout machinery and equipment to prevent serious injury. The lockout kit provides all items required to make lockout/tagout as convenient and easy as possible.

Includes:

- (1) 16" tool box w/tray, (1) LO-VS02, (1) LO-BS01, (1) #3D, (1) #1DLJ, (1) LO-MS01, (5) LO-ELA290, (1) LO-CB04, (1) LO-CB03, (1) LO-ES01, (1) LO-LP110.

LOLK108FE Electrical Lockout/Tagout Kit

This kit provides all items to properly secure electrical machinery and equipment from causing serious injury while being serviced. All items can be easily carried in lightweight carrying bag.

Includes:

- (1) Nylon carrying bag, (6) LO-CB03, (6) LO-CB01, (6) LO-CB04, (6) LO-ES01, (1) LO-LP110, (1) LO-LP550, (2) LO-MS01, (1) LO-666RD, (2) #3D, (2) #1DLJ, (10) LO-ELA290.



LOLK109FE Valve Lockout/Tagout Kit

Original B-Safe ball and V-Safe gate valve lockouts. These make lockout/tagout of valves an easy procedure with an easy to transport lockout/tagout kit.

Includes:

- (1) Nylon carrying bag, (2) LO-VS02, (2) LO-VS04, (2) LO-BS01, (2) LO-BS02, (1) LO-MS01, (2) LO-666RD, (2) #3D, (2) #1DLJ, (10) LO-ELA290.

LOLK110FE Combination Lockout Kit

Combined Electrical - Valves - Hasps - Tags - Locks into a convenient kit for employees to properly lockout/tagout most applications.

Includes:

- (2) Nylon carrying bags, (6) LO-CB01, (6) LO-CB03, (6) LO-CB04, (6) LO-ES01, (1) LO-LP110, (1) LO-LP550, (2) LO-VS02, (2) LO-VS04, (2) LO-BS01, (2) LO-MS01, (2) LO-666RD, (6) #3D, (6) #1DLJ, (25) LO-ELA290.



LOLK111FE Electrical Lockout Pouch

A convenient Electrical Lockout/Tagout zipper pouch has been created that can be easily carried on your belt with all the necessary products. This ensures you or your workers have their lockouts when they need them.

Includes:

- (1) Double belt loop zippered pouch, (1) LO-LP110, (1) LO-MS01, (2) LO-CB03, (2) LO-CB04, (2) LO-ELA290, (1) #1DLJ.

LOLK112F Electrical Breaker Lockout Pouch

When regular lockout/tagout on electrical panels is required, this convenient pouch can be attached to a belt for easy use, including all products for proper lockout.

Includes:

- (1) Double belt loop zippered pouch, (3) LO-ES01, (1) LO-LP110, (4) LO-CB04, (4) LO-CB03, (1) LO-CB02, (2) LO-CB01.



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>

Padlocks & Key Storage Systems

A PADLOCK STORAGE MODULE

Made of melamine which have been adapted to an industrial environment, this module provides for the orderly storage and safekeeping of personal, serial numbered and borrowed padlocks used in safety lockout procedures.

Its transparent door provides continuous visibility of all padlocks presently stored.



| Models | Sizes L x W x H | Number of Padlocks | | | Hook Type and Capacity | | |
|-----------|--------------------|--------------------|-------------|--------------|------------------------|---|---|
| | | 2 1/4" 58 mm | 3" 76 mm | 4" 102 mm | 1 | 2 | 5 |
| ID001/151 | 15" X 15" X 3" | 16 | 12 | 8 | • | | |
| ID001/152 | | 32 | 24 | 16 | | • | |
| ID001/153 | | 80 | 60 | 40 | | | • |
| ID001/301 | 15" X 30" X 3" | 36 | 28 | 20 | • | | |
| ID001/302 | | 72 | 56 | 40 | | • | |
| ID001/303 | | 160 | 120 | 80 | | | • |
| ID001/241 | 24" X 30" X 3" | 63 | 49 | 35 | • | | |
| ID001/242 | | 126 | 98 | 70 | | • | |
| ID001/243 | | 315 | 245 | 175 | | | • |

When Ordering above Padlock Storage Modules

Add **LO-** to beginning of model number when ordering.

For example, model number ID001/151 will become **LO-ID001/151**

B TAGOUT SHEET MODULE

This module's transparent door allows the safety Tagout / Lockout sheet to be clearly seen during the lockout process. Also, the keys for the serial numbered padlocks to be used during the lockout application are clearly visible eliminating any possibility of accidental machine start-up.



| Models | Size of Sheet | Sizes |
|--------|--------------------------------|--------------------|
| ID 004 | 8.5" x 11" (21.5 cm. x 28 cm.) | 12" X 15" X 3" |
| ID 005 | 8.5" x 14" (21.5 cm. x 28 cm.) | 12" X 16 1/2" X 3" |

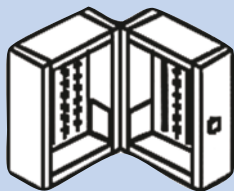
When Ordering above Tagout Sheet Module

Add **LO-** to beginning of model number when ordering.

For example, model number ID004 will become **LO-ID004**

C KEYS STORAGE MODULE

This module, which is very useful in padlock management, allows the person responsible for lockout to maintain the duplicates of all padlock keys (Personal, serial numbered, borrowed, etc.) up to date.



| Models | Description | Sizes |
|------------|------------------------|--------------|
| ID 002/32 | Module simple 32 keys | 10 X 10 X 3" |
| ID 002/72 | Module simple 72 keys | 10 X 20 X 3" |
| ID 002/128 | Module simple 128 keys | 18 X 18 X 3" |
| ID 003/64 | Module simple 64 keys | 10 X 10 X 6" |
| ID 003/144 | Module simple 144 keys | 10 X 20 X 6" |
| ID 003/256 | Module simple 256 keys | 18 X 18 X 6" |

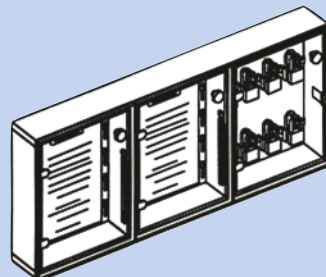
When Ordering Keys Storage Module

Add **LO-** to beginning of model number when ordering.

For example, model number ID 002/32 will become **LO-ID 002/32**

D COMBINATION (Model #LO-ID-006)

Various combinations of the modules described above are possible. Shown here is the combination most frequently used in industry. It comprises a double visibility module combined with a padlock module to create a "Safety Lockout Station".



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>

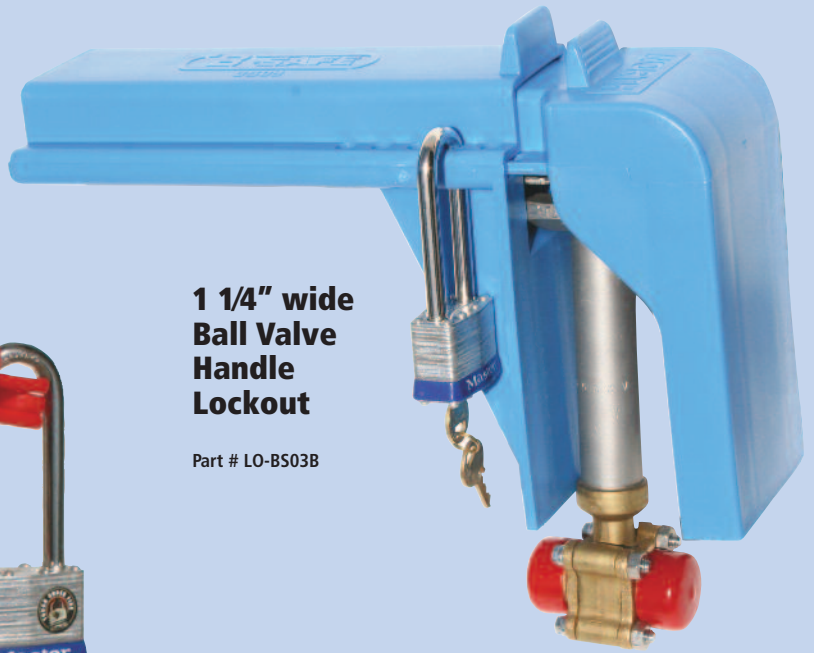
Valve Lockout Application



Valve Lockout

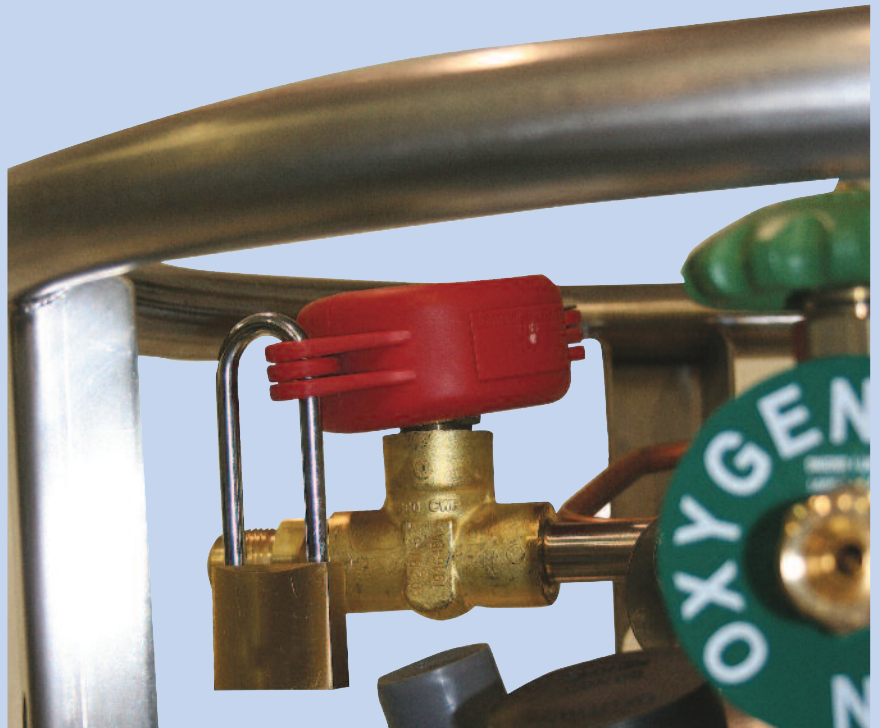
photo shown with

Part # LO-VS04
on a 4 5/8" diameter valve handwheel



1 1/4" wide Ball Valve Handle Lockout

Part # LO-BS03B



Dewar Valve Lockout

Part # LOVS02R

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>