

LMSSC PACKAGING STANDARD

Revision 1
8/16/2011
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LABELS FOR HELIUM, ARGON AND NITROGEN CYLINDERS

1. SCOPE

This standard provides requirements for LMSSC suppliers to apply special labels to compressed gas cylinders using CGA 580 fittings for inert helium, argon and nitrogen. Exceptions or additional requirements shall be specified by the purchase order.

2. SOURCE OF SUPPLY

Labels may be purchased through:

Supplier Name: Ratermann Manufacturing
Address: 601 Pinnacle Place, Livermore, CA 94550
Phone Number: 800-264-7793 x217

<u>Part Number</u>	<u>Description</u>	<u>Measure</u>
DG-TN	Nitrogen Gas Cylinder tape	roll
DG-TA	Argon Gas Cylinder tape	roll
DG-HE	Helium Gas Cylinder tape	roll

3. LABELING REQUIREMENTS

- 3.1. This standard applies only to compressed gas cylinders using CGA 580 fittings.
- 3.2. Cylinders containing inert helium, argon or nitrogen shall be identified with a label describing the gas contents, i.e., "HELIUM", "ARGON" or "NITROGEN". The label text shall be a minimum of 2 inches high, in a dark font color which contrasts with the label background.
- 3.3. The label material shall be able to withstand exposure to environments encountered in outside storage for a minimum period of one year.
- 3.4. The label for recycled cylinders shall be replaced by the supplier when the label is no longer legible.
- 3.5. Labels shall not obstruct Department of Transportation marking and labeling.
- 3.6. See Figure 1 for an example of the required label.



Figure 1 – Label Example

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4. QUALITY ASSURANCE

It shall be the prerogative of LMSSC to [reject](#) compressed gas cylinders, at supplier's expense, when the labels required by this standard are not applied prior to delivery to LMSSC.

5. NOTES

If assistance is required, contact LMSSC Product Protection Engineering at (303) 971-1333.

REVISION HISTORY

Release Date	Rev	Change Description	Responsible Engineer
05-09-2011	0	Original Release. This P-Sheet was developed to support Executive Operating Directive (EOD) 2010-008, Compressed Gas Cylinders.	Bill Manning
08-16-2011	1	Section 4 changed to read, "It shall be the prerogative of LMSSC to reject compressed gas cylinders..."	Bill Manning

APPROVALS

Approvers	Disciplines	Date: MM-DD-YYYY
Bill Manning	PHST (SME) - Den	08-16-2011
Tom Shanley	PHST (Lead)	08-16-2011
Mike Gaughen	Test Engineering	08-16-2011