Class 8120

ADAPTER, CYLINDER VALVE

Spec. MIL-A-16288.

Packed 6 per box, 12 boxes per case.

Unit of Issue: Each (EA)

Type 510-300

Use: For adapting Types 03-511-1 and 03-511-2 acetylene valves, Type 10-511-1 butane valves, and Type 08-511-1 propane valves to equipment having obsolete valve connections.

Item	Stock No.	Spec. Fig.	Thread Data of Valves and Equipment	
			New Type LH Female	Obsolete Type RH Female
659	**G8120-264-5531**	1	0.885″, 14 NGO	0.830″, 14 NGO

Type 300-510

Use: For adapting obsolete acetylene cylinder valves to equipment having connections for Types 03-511-1 and 03-511-2 valves, for adapting butane cylinder valves to equipment having connections for Type 10-511-1 valves, and for adapting obsolete propane cylinder valves to equipment having connections for Type 08-511-1 valves.

Item	Stock No.	Spec. Fig.	Thread Data of Valves and Equipment	
			New Type LH Male	Obsolete Type RH Male
665	**G8120-264-5530**	2	0.880″, 14 NGO	0.825″, 14 NGO

Type 580-550

Caution: Do NOT use oil or grease on or about these adapters.

Use: For adapting water-pumped nitrogen valves, Type 05-581-1, to equipment having obsolete valve connections.

Item	Stock No.	Spec. Fig.	Thread Data of Valves and Equipment	
			New Type RH Female	Obsolete Type LH Female
671	**G8120-264-5529**	1	0.965″, 14 NGO	0.908″, 14 NGO

CYLINDER, COMPRESSED GAS

General Notes

FOR SHIPS ONLY

Requisition should NOT be submitted for empty gas cylinders without prior approval of the cognizant Bureau. Charging of cylinders involves many direct and/or indirect hazards, and should not be done except by fully trained personnel who have been duly authorized to perform recharging work. See Chapters 23 and 92 of Bureau of Ships Manual for further information and necessary precautions.

CYLINDERS

Capacity: Where cylinder capacity or gas charge is given in cubic feet or gallons, the volume indicated is approximately the volume which would be occupied by the "free" gas at atmospheric pressure and at a temperature between 68° and 70°F.

Service Pressure: The service pressure is generally indicated in the ICC specification number marked on the cylinder; e.g., ICC-3A-1800 indicates a service pressure of 1800 pounds per square inch. In other cases, the service pressure is as follows:

Cylinder	Service Pressure
ICC-3	1800 psi
ICC-4	300 psi
ICC-8	250 psi
ICC-9	200 psi

Handling: Avoid rough handling, dropping, or violent striking of cylinders against each other or against other objects. Never drag or slide cylinders when moving. Tilt and roll them on bottom edge if special handling trucks are not available. Never use cylinders for supports or rollers. Keep valve protection caps in place, firmly tightened.

Issuing: When high-pressure gases are issued to ships or activities outside the continental limits of the United States, only nonshatterable (NON-SHAT) cylinders may be issued. Low-pressure liquefied or dissolved gases do not require "nonshatterable" cylinders.

Markings: Mark empty cylinders in chalk "MT" or "EMPTY." Keep separate from full cylinders. Be sure markings are clear and in accordance with latest instructions. Many cylinders now in service are marked with word "Shatterproof." New cylinders are now marked "NON-SHAT" meaning nonshatterable which is the equivalent of shatterproof.

Color Code: Refer to MIL-STD-101 Military Standard Color Code for Compressed Gas Cylinders and Pipelines for full-color illustrations of cylinder markings and instructions for identification by titles and colors.

Storage: Avoid fire hazards, extremes of weather, continuous dampness, accumulations of ice and snow. Keep storage spaces well ventilated.

Use: Always use cylinders for gas for which marked. Under no circumstances may cylinders be placed in any other service without permission of the Bureau of Ships.

CYLINDER, COMPRESSED GAS (Cont'd)

General Notes

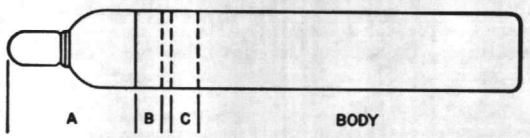
COLOR CODE

MIL-STD-101 as applied to compressed gas cylinders provides a common color code for visual warnings to supplement the identification or titles lettered on the cylinders, facilitates the segregation of these cylinders at depots, and is designed to promote greater safety.

The color code establishes, defines, and assigns a color for recognition to each of the following six classes of materials:

Class	Standard of Color	Class of Material
1	Yellow	Flammable materials.
2	Brown	Toxic and poisonous materials.
3	Blue	Anesthetics and all liquid chemicals and compounds hazardous to life and property but not normally productive of dangerous quantities of fumes or vapors.
4	Green	Oxidizing materials which readily furnish oxygen for combustion (except air) and fire producers which react explosively or with the evolution of heat in contact with many other materials.
5	Gray	All materials, not dangerous in themselves, which are asphyxiating in confined areas or which are generally handled in a dangerous physical state of pressure or temperature.
6	Red	All materials provided in compressed gas cylinders exclusively for use in fire protection.

COLOR IDENTIFICATION



TYPE OF GAS	COLOR MARKINGS			
	A	B	C	BODY
Acetylene	Yellow	Yellow	Yellow	Yellow
Aerosol Insecticide	Buff	Buff	Buff	Buff
Air (Oil-pumped)	Black	Green	Green	Black
Air (Water-pumped)	"	"	Black	"
Ammonia	Brown	Yellow	Orange	Orange
Argon (Oil-pumped)	Gray	White	White	Gray
Argon (Water-pumped)	"	"	Gray	"
Carbon Dioxide	"	Gray	"	"
Carbon Dioxide (Fire Extinguisher)	Red	Red	Red	Red
Carboxide	Buff	Blue	Buff	Buff
Chlorine	Brown	Brown	Brown	Brown
Ethyl Chloride	Buff	Blue	Yellow	Buff
Ethylene (Medical)	Yellow	"	Blue	Blue
Ethylene Oxide	"	"	Buff	Buff
Freon	Orange	Orange	Orange	Orange
Helium (Oil-free)	Buff	Gray	Gray	Gray
Helium (Oil-pumped)	Gray	Orange	"	"
Hydrogen	Yellow	Black	Yellow	Yellow
Nitrogen (Oil-pumped)	Gray	"	Gray	Gray
Nitrogen (Water-pumped)	"	"	Black	"
Nitrous Oxide	Blue	Blue	Blue	Blue
Oxygen	Green	Green	Green	Green
Oxygen (Aviator's)	"	White	"	"
Petroleum (Liquefied)	Yellow	Orange	Yellow	Yellow
Sulphur Dioxide	Brown	Gray	Brown	Brown
New Cylinders (No color markings)				

CLASS 8115
BOXES, CARTONS, AND CRATES

OINTMENT BOX

Spec: FED: RR-B-636
Round. Tinned finish. Diameter 3 in., capacity 4 oz. Used for samples and specimens.
Fisher Scientific Co., No. 3-490 or equal.
Unit of Issue: Each

Item No. 1	Stock No. Y8115-255-1347

CLASS 8120
GAS CYLINDERS

GENERAL NOTES

Capacity: Where cylinder capacity or gas charge is given in cubic feet or gallons, the volume indicated is approximately the volume which would be occupied by the "free" gas at atmospheric pressure and at a temperature between 68° and 70°F.

Service Pressure: The service pressure is generally indicated in the ICC specification number marked on the cylinder; e.g., ICC-3A-1800 indicates a service pressure of 1,800 pounds per square inch. In other cases, the service pressure is as follows:

Cylinder	Service Pressure
ICC-3	1800 PSI
ICC-4	300 PSI
ICC-8	250 PSI
ICC-9	200 PSI

Handling: Avoid rough handling, dropping, or violent striking of cylinders against each other or against other objects. Never drag or slide cylinders when moving. Tilt and roll them on bottom edge if special handling trucks are not available. Never use cylinders for supports or rollers. Keep valve protection caps in place, firmly tightened.

Issuing: When high-pressure gases are issued to ships or activities outside the continental limits of the United States, only nonshatterable (NON-SHAT) cylinders may be issued. Low-pressure liquefied or dissolved gases do not require "nonshatterable" cylinders.

Storage: Avoid fire hazards, extremes of weather, continuous dampness, accumulations of ice and snow. Keep storage spaces well ventilated.

Markings: Mark empty cylinders in chalk "MT" or "EMPTY." Keep separate from full cylinders. Be sure markings are clear and in accordance with latest instructions. Many cylinders now in service are marked with word "Shatterproof." New cylinders are now marked "NON-SHAT" meaning nonshatterable which is the equivalent of shatterproof.

Color Code: Refer to MIL-STD-101 Military Standard Color Code for Compressed Gas Cylinders and Pipelines for full-color illustrations of cylinder markings and instructions for identification by titles and colors.

Use: Always use cylinders for gas for which marked. Under no circumstances may cylinders be placed in any other service without permission of the Bureau of Ships.

(Cont'd)

COLOR CODING OF CYLINDERS

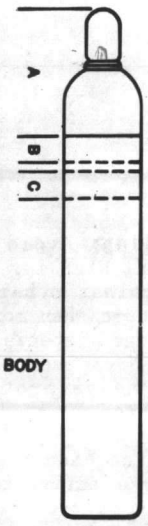
MIL-STD-101 as applied to compressed gas cylinders provides a common color code for visual warnings to supplement the identification or titles lettered on the cylinders, facilitates the segregation of these cylinders at depots, and is designed to promote greater safety.

The color code establishes, defines, and assigns a color for recognition to each of the following 6 classes of materials:

Class	Standard of Color	Class of Material
a.	Yellow	Flammable materials.
b.	Brown	Toxic and poisonous materials.
c.	Blue	Anesthetics and all liquid chemicals and compounds hazardous to life and property but not normally productive of dangerous quantities of fumes or vapors.
d.	Green	Oxidizing materials which readily furnish oxygen for combustion (except air) and fire producers which react explosively or with the evolution of heat in contact with many other materials.
e.	Gray	All materials, not dangerous in themselves, which are asphyxiating in confined areas or which are generally handled in a dangerous physical state of pressure or temperature.
f.	Red	All materials provided in compressed gas cylinders exclusively for use in fire protection.

COLOR IDENTIFICATION

Type of Gas	Color Markings			
	A	B	C	Body
Acetylene	Yellow	Yellow	Yellow	Yellow
Aerosol Insecticide	Buff	Buff	Buff	Buff
Air, Oil-pumped	Black	Green	Green	Black
Air, Water-pumped	Black	Green	Black	Black
Ammonia	Brown	Yellow	Orange	Orange
Argon, Oil-pumped	Gray	White	White	Gray
Argon-Oxygen	Gray	Green	White	Gray
Argon, Water-pumped	Gray	White	Gray	Gray
Carbon Dioxide	Gray	Gray	Gray	Gray
Carbon Dioxide, Fire Extinguisher	Red	Red	Red	Red
Carboxide	Buff	Blue	Buff	Buff
Chlorine	Brown	Brown	Brown	Brown
Ethylene Oxide	Yellow	Blue	Buff	Buff
Freon	Orange	Orange	Orange	Orange
Helium, Oil-free	Buff	Gray	Gray	Gray
Helium, Oil-pumped	Gray	Orange	Gray	Gray
Hydrogen	Yellow	Black	Yellow	Yellow
Nitrogen, Oil-pumped	Gray	Black	Gray	Gray
Nitrogen, Water-pumped	Gray	Black	Black	Gray
Oxygen	Green	Green	Green	Green
Oxygen, Aviator's	Green	White	Green	Green
Oxygen-Nitrogen	Black	White	Green	Green
Petroleum, Liquefied	Yellow	Orange	Yellow	Yellow
New Cylinders, No Color markings				



MIL-C-11732/1
8 March 1973
SUPERSEDING
MS39234A
27 January 1969

MILITARY SPECIFICATION SHEET

CYLINDER, COMPRESSED GAS: CHLORINE;

DOT 3A480 OR DOT 3AA480

The complete requirements for procuring the cylinder described herein shall consist of this document and the issue in effect of MIL-C-11732.

This specification is approved for use by all Departments and Agencies of the Department of Defense.

Table I

Classification	Nom. Gas Capacity Pounds	Outside Dimensions		Min. Water Capacity Pounds	Max. Tare Weight Pounds
		D	H		
C-11732/I-1	20	6	19	16	25
C-11732/I-2	30	6	29	24	35
C-11732/I-3	100	8-1/2	48	80	85
C-11732/I-4	150	10-1/4	48	120	120

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

To Waters		# of pages ▶ 2	
Dept./Agency Log.		From Palmer	
Fax # 5388		Phone # 5763	
NSN 7540-01-317-7368	5099-101	Fax # 5307	GENERAL SERVICES ADMINISTRATION

THIS DOCUMENT CONTAINS 2 PAGES

FSC 8120

MIL-C-11732/1
8 March 1973
SUPERSEDING
MS39234A
27 January 1969

MILITARY SPECIFICATION SHEET

CYLINDER, COMPRESSED GAS: CHLORINE;

DOT 3A480 OR DOT 3AA480

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This specification is approved for use by all Departments and Agencies of the Department of Defense.

Table I

Classification	Nom. Gas Capacity Pounds	Outside Dimensions		Min. Water Capacity Pounds	Max. Tare Weight Pounds
		D	H		
C-11732/I-1	20	6	19	16	25
C-11732/I-2	30	6	29	24	35
C-11732/I-3	100	8-1/2	48	80	85
C-11732/I-4	150	10-1/4	48	120	120

THIS DOCUMENT CONTAINS 2 PAGES

FSC 8120

MIL-C-11732/1

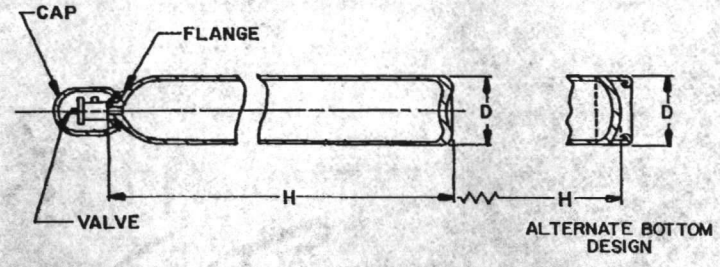


FIGURE 1. CYLINDER CONFIGURATION

X-2241A

DESIGN REQUIREMENTS:

1. The cylinder shall be as specified in table I. All dimensions are in inches with tolerances D plus or minus 1/2 inch, H plus or minus 2 inches.

2. Unless otherwise specified in the basic specification, the cylinder shall be supplied with flange, valve and cap in accordance with figure 1.

3. The bottom design shall be bumped back or shall be designed with a footring for upright stability. Footrings when used shall have a minimum of two ventilation holes and two drainage holes equally spaced.

INTENDED USE:

The cylinders covered by this specification sheet are intended for use in chlorine service. This cylinder may be adapted for methyl bromide service.

NOTES:

1. This cylinder may be used for methyl bromide service when equipped with a suitable valve in accordance with MIL-V-2 and the cylinder correctly marked in accordance with MIL-STD-101.

Custodians:
Army - ME
Navy - SH
Air Force - 68

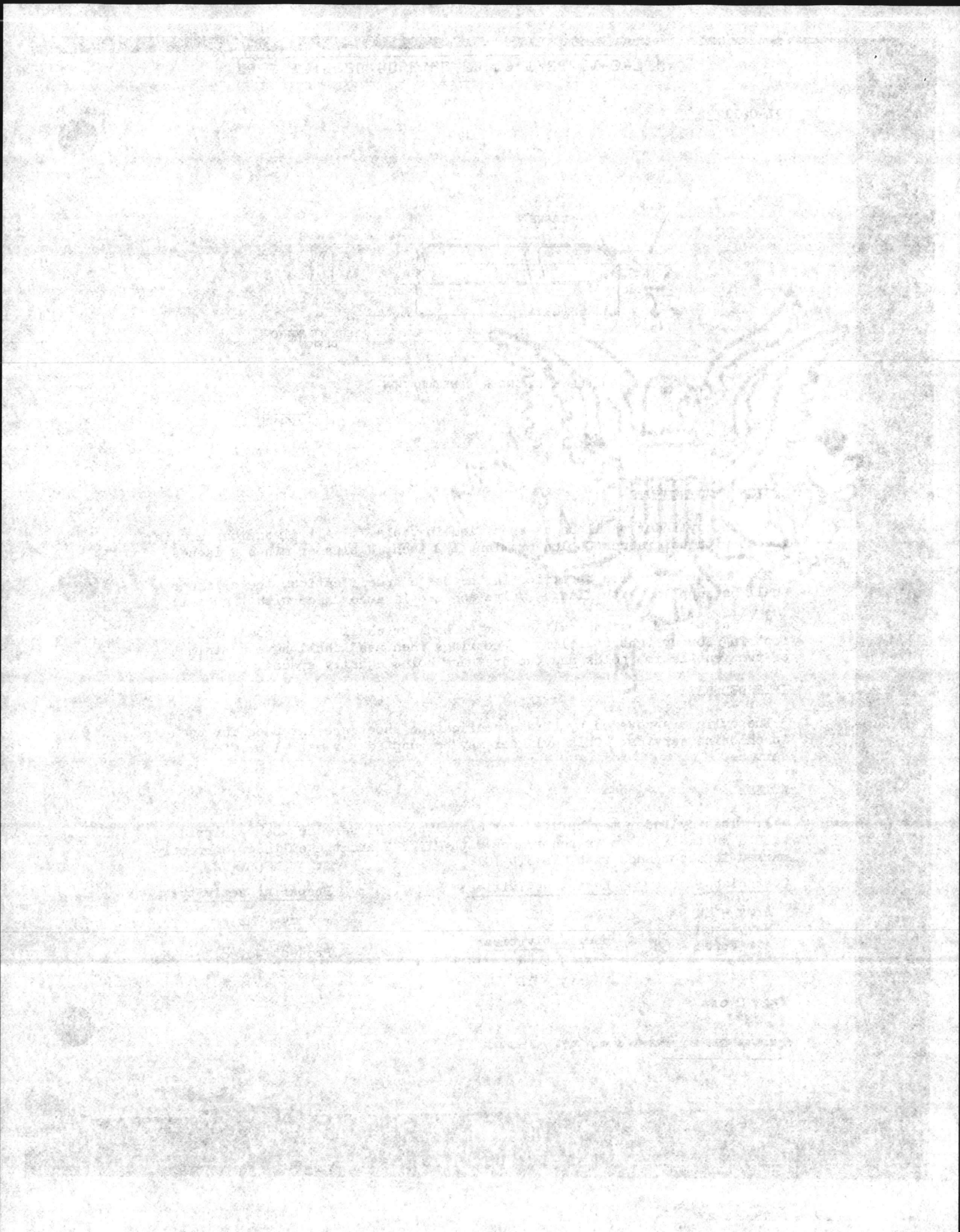
Review activities:
Navy - MC

User activities:
Army - MU
Navy - YD

Preparing activity:
Army - ME

Project No. 8120-0359

U.S. GOVERNMENT PRINTING OFFICE: 1973-714-543/4428



NOTES

6830 01 C00 9251 = FREON 22 w/ Red Leak detector 30 LB Disposable cyl.

6830 01 106 1659 = FREON 22 in 50 LB Disposable Cylinder

6830 00106 1656 = Freon 12 in 50 LB Disposable cylinder

6830 00 935 9895 - Freon 12 30 LB Disp

6830 01 C00 9260 = Freon 12 w/ Red Leak Detector 30 L Disp

6830 00 286 5434 = Acetylene 10 CF CY MC

8120 00 285 4733 = Cylinder 10 CF CY MC

6830 00 564 9035 - Oxygen 20 CF R

8120 01 C00 8901 - Cylinder R

6830 00 261 7445 - Propane for Forklift

6830 00 104 2654 - Halon - Gas

8120 00 531 8193 - Cylinder

8120 00 985 7275 - Nitrogen Cylinder

(8120 00 285 4733 CYLINDER TO CF MC STYLE)
(6830 00 286 5434 ACETYLENE 10 CF Cy MC)

B60-975

(6830 00 564 9035 OXYGEN 20 CF R-STYLE Cy
8120 01 C00 8901 CYLINDER R TYPE *

6830 00 261 7445 PROPANE FOR FORKLIFTS

CY	200 CF	6830 00 C00 5400 8120 00 247 9614 8120 00 286 9592	NITROGEN
CF	340 CF	6830 00 C00 6009 8120 00 680 0153	NITROGEN
LB	100 LB	6830 00 169 0777 8120 00 175 8549	AMMONIA
CF	197 CF	6830 00 169 0779 8120 00 151 9747	ARGON
LB	150 LB	6830 00 169 0786 8120 00 285 4722	CHLORINE
CY	50 CF	6830 00 169 0804 * 8120 00 178 1602	OXYGEN
CF	200 CF	6830 00 169 0805 8120 00 151 9758	OXYGEN
CF	225 CF	6830 00 270 8216 8120 00 268 3360	ACETYLENE
CY	110 CF	6830 00 290 4086 * * S120 00 285 4762	OXYGEN
CF	40 CF	6830 00 290 4370 8120 00 663 3019	ACETYLENE
LB	44 LB	6830 00 290 4375 8120 00 178 1598	FREON 22
LB	50 LB	6830 00 290 4377 8120 00 178 1598	FREON 12
CY	125 LB	6830 00 292 0137 8120 00 597 5670	ACETYLENE
LB	25 LB	6830 00 531 8104 * 8120 00 285 4718	FREON 12
CF	~~178~~ CF 217 CF	6830 00 660 0026 8120 00 244 6981 3 DIAL	HELIUM
LB	50 LB	6830 00 682 6841 8120 00 151 9749	CARBON DIOXIDE
CY	30 ~~25~~ LB (Disp Qty)	6830 00 935 9896	FREON 22

NITROGEN CYLINDER
230 CF 8120 00 985 7275

(HALON - GAS CYLINDER — 6830 00 104 2654; 8120 00 531 8193)

(8120 00 285 4733 CYLINDER 10 CF MC STYLE)
(6830 00 286 5434 ACETYLENE 10 CF Cy MC)
BBO-925
(6830 00 564 9035 OXYGEN 20 CF R-STYLE Cy
(8120 01 C00 8901 CYLINDER R TYPE *

6830 00 261 7445 PROPANE FOR FORKLIFTS

CY	200 CF	6830 00 000 5400 8120 00 247 9614 8120 00 286 9592	NITROGEN
CF	340 CF	6830 00 C00 6009 8120 00 680 0153	NITROGEN
LB	100 LB	6830 00 169 0777 8120 00 175 8549	AMMONIA
CF	197 CF	6830 00 169 0779 8120 00 151 9747	ARGON
LB	150 LB	6830 00 169 0786 8120 00 285 4722	CHLORINE
CY	50 CF	6830 00 169 0804 * 8120 00 178 1602	OXYGEN
CF	200 CF	6830 00 169 0805 8120 00 151 9758	OXYGEN
CF	225 CF	6830 00 270 8216 8120 00 268 3360	ACETYLENE
CY	110 CF	6830 00 290 4086 * * 8120 00 285 4762	OXYGEN
CF	40 CF	6830 00 290 4370 8120 00 663 3019	ACETYLENE
LB	44 LB	6830 00 290 4375 8120 00 178 1598	FREON 22
LB	50 LB	6830 00 290 4377 8120 00 178 1598	FREON 12
CY	125 LB	6830 00 292 0137 8120 00 597 5670	ACETYLENE
LB	25 LB	6830 00 531 8104 * 8120 00 285 4718	FREON 12
CF	~~178~~ CF 217 CF	6830 00 660 0026 8120 00 244 6981 3 DIAL	HELIUM
LB	50 LB	6830 00 682 6841 8120 00 151 9749	CARBON DIOXIDE
CY	30 ~~25~~ LB (Disp Qty)	6830 00 935 9896	FREON 22

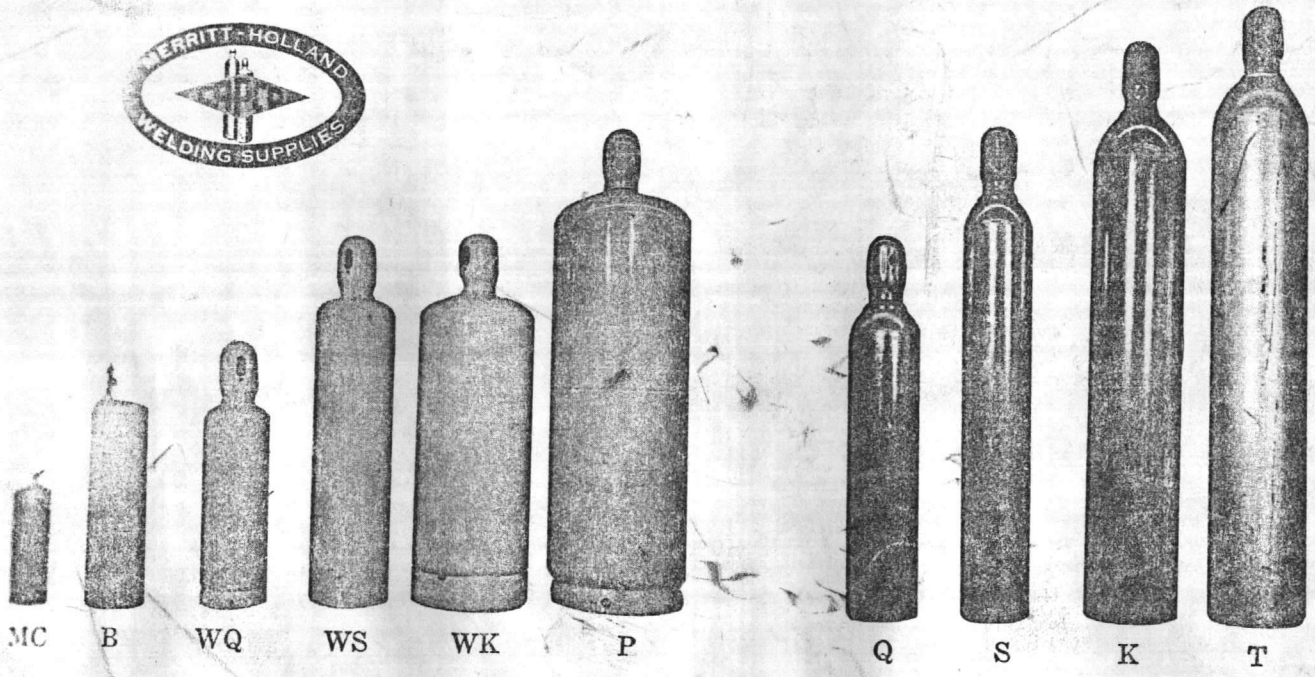
NITROGEN CYLINDER [redacted]
230 CF 8120 00 985 7275

(HALON-GAS 6830 00 104 2654
CYLINDER 8120 00 531 8193

Halon- mono bromotrifluoromethane
6830-00-543-6623- 150 lb AAC-12 (SSG-164)

Compressed Gas Cylinder Information

OXYGEN, ACETYLENE, MAPP, NITROGEN, HYDROGEN, CARBON DIOXIDE, ARGON, AND ALL OTHER GASES



GAS	CYLINDER	CONTENTS (Cu. Ft.)	PRESSURE AT 70° F. (lb. per sq. in.)	HEIGHT INC. CAP (In.)	OUTSIDE DIAMETER (In.)	APPROX. WT. Full (Lb.)	APPROX. WT. Empty (Lb.)
ACETYLENE	WK	250	250	36	12	148	130
	WS	125	250	36	9	85	75
	WQ	60	250	25	7-5/8	55	52
	B	40	250	25	6-1/4	32	29
	MC	10	250	15	4	10	9
MAPP	P	100 lbs.	110	49	13	175	75
HYDROGEN	K	191	2000	56	9	149	133
NITROGEN	K	204	2015	56	9	149	133
	S	102	2015	51	7-3/8	90	80
	Q	70	2015	35	7-3/8	70	65
ARGON	T	330	2640	60	9-1/4	177	143
	S	150	2200	51	7-3/8	95	80
CARBON DIOXIDE-CO_2	K	50 lbs.	835	56	9	168	118
OXYGEN	K	250	2260	56	9	139	118
	S	125	2260	51	7-3/8	92	80
	Q	80	2015	35	7-1/2	70	65

R 20

PRICING POLICY:

We will be pleased to make a price quotation on your gas requirements at any time. Prices are based on customer's monthly and yearly requirements.

DELIVERY POLICY:

Price quotations are made on a F.O.B. our store, or branch store, basis. There will be no delivery charges, provided delivery can be made by our truck on its regularly scheduled route, unless notified otherwise.

COMPRESSED GASES

RECON DATE _____ PURCHASE ORDER NR _____

SC CONTACT _____

he following cylinders have been picked up by _____
or refilling and return to Shop Stores Branch, DSSC, Marine Corps Base, Camp Lejeune, NC.

QUANTITY	U/I	CY SIZE	STOCK NUMBER	NOMENCLATURE
	CY	200 CF	6830 00 C00 5400 8120 00 247 9614 8120 00 286 9592	NITROGEN
	CF	340 CF	6830 00 C00 6009 8120 00 680 0153	NITROGEN
	LB	100 LB	6830 00 169 0777 8120 00 175 8549	AMMONIA
	CF	197 CF	6830 00 169 0779 8120 00 151 9747	ARGON
	LB	150 LB	6830 00 169 0786 8120 00 285 4722	CHLORINE
	CY	50 CF	6830 00 169 0804 8120 00 178 1602	OXYGEN
	CF	200 CF	6830 00 169 0805 8120 00 151 9758	OXYGEN
	CF	225 CF	6830 00 270 8216 8120 00 268 3360	ACETYLENE
	CY	110 CF	6830 00 290 4086 8120 00 285 4762	OXYGEN
	CF	40 CF B	6830 00 290 4370 8120 00 663 3019	ACETYLENE
	LB	~~40~~ 44 LB	6830 00 290 4375 8120 00 178 1598 50# Cap. 300 PSI	FREON 22
	LB	~~45~~ 50 LB	6830 00 290 4377 8120 00 178 1598 50# Cap, 300 PSI.	FREON 12
	CY	125 LB	6830 00 292 0137 8120 00 597 5670	ACETYLENE
	LB	25 LB	6830 00 531 8104 8120 00 285 4718	FREON 12
	CF	178 CF	6830 00 660 0026 8120 00 244 6981	HELIUM
	LB	50 LB	6830 00 682 6841 8120 00 151 9749	CARBON DIOXIDE
	CY	~~25 LB~~ 30# 50# (Disp Qty)	6830 00 935 9896 " " 106-165 ~~6830 00 286 5434~~ 8120-00-285-4733	FREON 22
	CY	10 CF (mc)	6830-00-564-9035	ACETYLENE N/L
	CY	20 CF (R)	6830-00-079-4694	OXYGEN N/L
		100# DR.	6830 00 281 3036	FREON 11
		200# DR	" " "	" H

RECEIVED BY _____

NSN	DESCRIPTION	CYLINDERS OR OTHER CONTAINERS ARE CONT. OWNED	CYLINDERS OR OTHER CONTAINERS ARE GOVT. OWNED	UNIT	ESTIMATED ANNUAL REQUIREMENTS	CURRENT PRICE*	DELIVERY TIME NORMALLY REQUIRED DAYS
6830-00 146-8000	SULPHUR HEXAFLUORIDE Technical Grade, BB-S-1419 dated 6/29/70, in 8.3 lb. cylinders			CYL.			
6830-00 882-1794	SULPHUR HEXAFLUORIDE Technical Grade, BB-S-1419 dated 6/29/70, in 115 lb. cylinders			CYL.			

*Special Requirements: _____

_____

_____

_____

* Current Price Data is imperative if your requirements are not now covered by FSS contract.

_____
(Signature)

_____
(Title)

_____
(Date)

MAIL ONE COPY TO:

General Services Administration, QFSS Procurement Division
Attn: Kathy Garrett (7FCO-K)
819 Taylor Street
Fort Worth, Texas 76102

FSC 68, PART III, SECTION F

SULPHUR HEXAFLUORIDE

Estimated Requirements for Contract Period 12/1/84 thru 11/30/85

PLEASE COMPLETE ALL QUESTIONS BELOW:

1. Name of Ordering Office: _____

   Address: _____

   _____

2. Complete Delivery Address: _____

   _____

   _____

3. Contact for Information: _____
   (Name)

   _____
   (Title)

   _____
   (Telephone)*

   *Indicate if FTS or Commercial Number
   DO NOT USE AUTOVON.

4. Do you currently have an existing local contract ( ) yes ( ) no

   If yes, what is the expiration date? _____

   Name and address of your current source of supply: _____

   _____

5. To assist us in developing additional sources, please list the names and addresses of any other known suppliers:

AMENDMENT NO. 2

FEDERAL SUPPLY SCHEDULE

NOTICE TO ORDERING OFFICES

FSC 68, PART III,
Sections E & F

Class 6830
Refrigerant Fluorocarbons and Sulfur Hexafluoride

December 1, 1983 - November 30, 1984

ISSUED: MARCH 16, 1984

07SC 6806

OFFICE OF FEDERAL SUPPLY AND SERVICES

GENERAL SERVICES ADMINISTRATION (8BRC)
Bldg 41, Denver Federal Center
Denver, CO 80225

OFFICIAL BUSINESS
Penalty for Private Use, $300

POSTAGE AND FEES PAID
U.S. GENERAL SERVICES ADMINISTRATION
GSA-395

U.S. MAIL

NOTICE TO ORDERING OFFICES

GENERAL SUPPLY SCHEDULE FSC 68, PART 111, SECTIONS E & F, COVERING CHEMICAL AND CHEMICAL PRODUCTS, REFRIGERANT FLUOROCARBONS AND SULFUR HEXAFLUORIDE IS AMENDED AS FOLLOWS: CONTRACT NUMBER GS07S10620 IS CANCELLED IN ITS ENTIRETY. AGENCIES ARE ADVISED TO NOTIFY GSA FOR INSTRUCTIONS BEFORE PROCURING ON THE OPEN MARKET.

CONTRACT NOS. GS07S10578, GS07S10588, GS07S10619 and GS07S10594 ARE MODIFIED TO INCLUDE THE FOLLOWING CLAUSE:

I. DELIVERY OF EMPTY CYLINDERS TO FILLING PLANTS:

1. Cost of Delivery: Delivery of empty cylinders from points within a delivery zone (Region) to the contractor's filling plant for that Region shall be at the expense of the contractor. Ordering activities will assemble and ship cylinders to contractor's plant via "Collect" commercial bill of lading. Where carload shipments are involved, cylinders will be loaded on the cars by the Government.

2. Shipping Documents: When Government-owned cylinders are shipped to the contractor the shipping document will reference or be accompanied by the purchase order for filling the cylinders. When contractor-owned cylinders are returned to the contractor, the shipping document, accompanying letter, or other appropriate document will show the address to which refund of deposits should be sent. Bidder is requested to indicate ordering address, shipping address, and method of transportation he desires to use for each zone. (Attach separate sheet if necessary.)

ZONE	SEND ORDERS TO:	SHIP CYLINDERS TO:

CONTRACT NO. GS07S10594 IS MODIFIED AS FOLLOWS:

1. The contractor may substitute a valve with spring loaded safety relief devices (Superior Valve Co. no. 1031) for the fusible plug type valve (Superior Valve Co. no. 1210 and no. 1205). This substitution is required to comply with Department of Transportation Regulations, Title 49 Code of Federal Regulations and Compressed Gas Association Pamphlet S-1.1. NOTE: MILITARY SPECIFICATION MIL-V-2D will be revised.

2. The filling weights for the following national stock numbers are reduced as indicated:

NSN	OLD FILL WEIGHT	NEW FILL WEIGHT
6830-00-290-4377 (Refrigerant, type 12)	50 pounds	45 pounds
6830-00-290-4375 (Refrigerant, type 22)	44 pounds	40 pounds

The reduced fill weights are established to provide an adequate margin of safety.

PAGE 9, PARAGRAPH M ENTITLED SPECIFICATIONS IS AMENDED TO DELETE THE HEADING, EXCEPTIONS TO FEDERAL SPECIFICATION BB-F-1421B, DATED 3-5-82.

THE SPECIFICATION CITED FOR REFRIGERANT GASES SHOULD READ FEDERAL SPECIFICATION BB-F-1421B, DATED 3-5-82 IN LIEU OF FEDERAL SPECIFICATION BB-F-1421A, DATED 6-21-76 AND AMENDMENT 1, DATED 11-17-76. THIS REVISION IS APPLICABLE TO REFERENCES ON PAGE 10 AND 17 OF ITEM DESCRIPTION.

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U U N C L A S S I F I E D U
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TTINE

R 101444Z OCT 84

FM CMC WASHINGTON DC

INFO AIG FOURONETWO
CG FMFLANT
HQBN HQMC ARLINGTON VA

AIG FOURONEEIGHT
CG FMFPAC

R 041730Z OCT 84

FM HQ AFLC WRIGHT PATTERSON AFB OH//DSTP//

TO AIG 10045

INFO DCSC COLUMBUS OH//DCSC-TQ//

UNCLAS

SUBJ: NEW PROPER SHIPPING NAME IPSN) FOR CARBON DIOXIDE, LIQUIFIED
THE PROPER SHIPPING NAME AND UN NUMBER "CARBON DIOXIDE, LIQUIFIED-
UN 2187" HAS BEEN CHANGED TO "CARBON DIOXIDE-UN 1013." THIS NEW PSN
AND UN NUMBER ARE RECOGNIZED FOR MILITARY AIR TRANSPORTATION OF THE
COMPRESSED GAS.

BLOG(2)...INFO FOR CG MCB CAMP LEJEUNE(6) 17021/ 2/0387
BCOS(1) BSDO(1) DSSC(1) TRNG(1)

RTD:000-000/COPIES:0006

160363/286 1 OF 1 MATA0182 286/03:57Z 041730Z OCT 84
:AUIA00648 HQ AFLC WRIGHT

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U U N C L A S S I F I E D U
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DISPOS. CYL. { 6830 01 C00 9251 FREON 22 W/RED LEAK DETECTOR 30LB DISPOS.
6830 00 935 9895 FREON 12 W/RED LEAK DETECTOR 30LB DISPOS
6830 01 C00 9260 FREON 12 W/RED LEAK DETECTOR 30LB DISPOS

(8120 00 285 4733 CYLINDER 10 CF MC STYLE)
(6830 00 286 5434 ACETYLENE 10 CF CY MC)

BBO-925
(6830 00 564 9035 OXYGEN 20 CF R-STYLE CYL)
(8120 01 C00 8901 CYLINDER R TYPE *)

6830 00 261 7445 PROPANE FOR FORKLIFTS

CY	200 CF	6830 00 C00 5400 8120 00 247 9614 8120 00 286 9592	NITROGEN
CF	340 CF	6830 00 C00 6009 8120 00 680 0153	NITROGEN
LB	100 LB	6830 00 169 0777 8120 00 175 8549	AMMONIA
CF	197 CF	6830 00 169 0779 8120 00 151 9747	ARGON
LB	150 LB	6830 00 169 0786 8120 00 285 4722	CHLORINE
CY	50 CF	6830 00 169 0804 * 8120 00 178 1602	OXYGEN
CF	200 CF	6830 00 169 0805 8120 00 151 9758	OXYGEN
CF	225 CF	6830 00 270 8216 8120 00 268 3360	ACETYLENE
CY	110 CF	6830 00 290 4086 * * 8120 00 285 4762	OXYGEN
CF	140 CF	6830 00 290 4370 8120 00 663 3019	ACETYLENE
LB	44 LB	6830 00 290 4375 8120 00 178 1598 *	FREON 22
LB	50 LB	6830 00 290 4377 8120 00 178 1593 *	FREON 12
CY	125 LB	6830 00 292 0137 8120 00 597 5670	ACETYLENE
LB	25 LB	6830 00 531 8104 * 8120 00 285 4718	FREON 12
CF	~~178 CF~~ 217 CF	6830 00 660 0026 8120 00 244 6981 3 D12 1	HELIUM
LB	50 LB	6830 00 682 6841 8120 00 151 9749	CARBON DIOXIDE
CY	30 ~~25~~ LB (Disp Qty)	6830 00 935 9896	FREON 22

*6830 00 106 1659 FREON 22 IN 50LB DISP. CYLINDER
6830 00 106 1656 FREON 12 IN 50 LB DISP. CYLINDER

NITROGEN CYLINDER [redacted] 330 CF 8120 00 985 7275

6830 00 286 5434 ACETYLENE 10 CF Cy MC

BBO-925

(6830 00 564 9035 OXYGEN 20 CF R-STYLE Cy
8120 01 C00 8901 CYLINDER R TYPE *)

6830 00 261 7445 PROPANE FOR FORKLIFTS

CY	200 CF	6830 00 000 5400 8120 00 247 9614 8120 00 286 9592	NITROGEN
CF	340 CF	6830 00 C00 6009 8120 00 680 0153	NITROGEN
LB	100 LB	6830 00 169 0777 8120 00 175 8549	AMMONIA
CF	197 CF	6830 00 169 0779 8120 00 151 9747	ARGON
LB	150 LB	6830 00 169 0786 8120 00 285 4722	CHLORINE
CY	50 CF	6830 00 169 0804 * 8120 00 178 1602	OXYGEN
CF	200 CF	6830 00 169 0805 8120 00 151 9758	OXYGEN
CF	225 CF	6830 00 270 8216 8120 00 268 3360	ACETYLENE
CY	110 CF	6830 00 290 4086 * * 8120 00 285 4762	OXYGEN
CF	40 CF	6830 00 290 4370 8120 00 663 3019	ACETYLENE
LB	44 LB	6830 00 290 4375 8120 00 178 1598 *	FREON 22
LB	50 LB	6830 00 290 4377 8120 00 178 1598 *	FREON 12
CY	125 LB	6830 00 292 0137 8120 00 597 5670	ACETYLENE
LB	25 LB	6830 00 531 8104 * 8120 00 285 4718	FREON 12
CF	~~178 CF~~ 217 CF	6830 00 660 0026 8120 00 244 6981 3 D12 1	HELIUM
LB	50 LB	6830 00 682 6841 8120 00 151 9749	CARBON DIOXIDE
CY	~~30~~ 25 LB (Disp Qty)	6830 00 935 9896	FREON 22

* 6830 00 106 1659 FREON 22 IN SOLB DISP. CYLINDER
6830 00 106 1656 FREON 12 IN 50 LB DISP. CYLINDER

NITROGEN CYLINDER [redacted] 230 CF 8120 00 985 7275

HALON-GAS CYLINDER 6830 00 104 2654
8120 00 531 8193

DisPos. Cyl. { 6830 01 C00 9251 FREON 22 W/RED LEAK DETECTOR 30LB DisPos.
6830 00 935 9895 FREON 12 W/RED LEAK DETECTOR 30LB DisPos
6830 01 C00 9260 FREON 12 W/RED LEAK DETECTOR 30LB DisPos

(8120 00 285 4733 CYLINDER 10 CF MC STYLE)
(6830 00 286 5434 ACETYLENE 10 CF Cy MC)

BBO-925 (6830 00 564 9035 OXYGEN 20 CF R-STYLE Cy L)
(8120 01 C00 8901 CYLINDER R TYPE *)

6830 00 261 7445 PROPANE FOR FORKLIFTS

CY	200 CF	6830 00 000 5400 8120 00 247 9614 8120 00 286 9592	NITROGEN
CF	340 CF	6830 00 C00 6009 8120 00 680 0153	NITROGEN
LB	100 LB	6830 00 169 0777 8120 00 175 8549	AMMONIA
CF	197 CF	6830 00 169 0779 8120 00 151 9747	ARGON
LB	150 LB	6830 00 169 0786 8120 00 285 4722	CHLORINE
CY	50 CF	6830 00 169 0804 * 8120 00 178 1602	OXYGEN
CF	200 CF	6830 00 169 0805 8120 00 151 9758	OXYGEN
CF	225 CF	6830 00 270 8216 8120 00 268 3360	ACETYLENE
CY	110 CF	6830 00 290 4086 ** 8120 00 285 4762	OXYGEN
CF	40 CF	6830 00 290 4370 8120 00 663 3019	ACETYLENE
LB	44 LB	6830 00 290 4375 8120 00 178 1598 *	FREON 22
LB	50 LB	6830 00 290 4377 8120 00 178 1598 *	FREON 12
CY	125 LB	6830 00 292 0137 8120 00 597 5670	ACETYLENE
LB	25 LB	6830 00 531 8104 * 8120 00 285 4718	FREON 12
CF	~~178 CF~~ 217 CF	6830 00 660 0026 8120 00 244 6981 3/D12/1	HELIUM
LB	50 LB	6830 00 682 6841 8120 00 151 9749	CARBON DIOXIDE
CY	30 ~~25~~ LB (Disp Qty)	6830 00 935 9896	FREON 22

*6830 00 106 1659 FREON 22 IN 30LB DISP. CYLINDER
6830 00 106 1656 FREON 12 IN 50 LB DISP. CYLINDER

NITROGEN CYLINDER 230 CF 8120 00 985 7275