

INCH-POUND

A-A-59666B

7 June 2010

SUPERSEDING

A-A-59666A

24 February 2005

## COMMERCIAL ITEM DESCRIPTION

### CYLINDER, COMPRESSED GAS: DOT SPECIFICATIONS 4B, 4BA, 4BW, AND 4E

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE. This commercial item description (CID) provides the acquisition requirements for the purchase of empty compressed gas cylinders to be used for storage, transportation, and distribution of low pressure liquefied compressed gases including refrigerants, liquefied petroleum gases, and fire extinguishing agents.

2. CLASSIFICATION. The cylinders shall be classified by the types, classes, sizes, service pressures, and valve specifications listed below:

Type I - steel cylinder  
II- aluminum cylinder

Class - intended gas service (see table I)

Size - for refrigerant and fire fighting agent cylinders (see table II)  
- for liquefied petroleum gas cylinders (see table III)

Service pressure (see table IV)

Valve specification (see table V)

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data that may improve this document should be sent to: [STDZNMGT@dla.mil](mailto:STDZNMGT@dla.mil) or Defense Supply Center Richmond (DSCR), ATTN: DSCR-VEB, 8000 Jefferson Davis Highway, Richmond, VA 23297-5616. Since contact information can change, you may want to verify the currency of this address information using the ASSIST database at <https://assist.daps.dla.mil/>.

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## 3. SALIENT CHARACTERISTICS

3.1 Material, design, and construction. The cylinders shall be manufactured, inspected, and tested in accordance with Department of Transportation (DOT) specifications 4B, 4BA, 4BW for type I (steel) cylinders or 4E for type II (aluminum) cylinders as specified in the acquisition order (see 7.3(b)) in accordance with 49 CFR 178, Subpart C, "Specifications for Cylinders". The applicable DOT specification shall be specified in the acquisition order (see 7.3(c)). The cylinders supplied shall be newly fabricated within one year of the manufacture date, completely clean, dry, and empty.

3.2 Intended gas service. The intended gas service shall be designated by the class codes found in table I (see 7.3(d)). Cylinder and valve compatibility with the intended gas product shall comply with the requirements of this document and 49 CFR 173.304, "Filling of Cylinders with Liquefied Compressed Gases".

TABLE I. Intended gas service.

Class code	Item name code <sup>1</sup>	Gas product
A1	03396	Generic applications
B1	49455	Bromochlorodifluoromethane, Technical
C1	49456	Butane
D1	49457	Butane-Propane Mixtures
E1	49467	Dibromodifluoromethane, Technical
F1	49468	Dichlorodifluoromethane, Technical
G1	49469	Dichlorodifluoromethane and Difluoroethane, Azeotropic Mixture
H1	49470	Dichlorotetrafluoroethane, Technical
J1	49472	Ethyl Chloride, Technical
K1	49474	Ethylene Oxide, Technical
L1	49475	Ethylene, Technical
M1	49488	Hydrogen Chloride, Anhydrous
N1	49489	Hydrogen Sulfide, Technical
P1	49507	Propane
R1	49508	Sulfur Dioxide, Technical
S1	49510	Trichloromonofluoromethane, Technical
T1	49511	Trichlorotrifluoroethane, Technical
U1	49513	Monochlorotrifluoromethane, Technical
V1	49514	Monochlorodifluoromethane
W1	49515	Monobromotrifluoromethane
X1	49518	Monochlorodifluoromethane and Monochloropentafluoroethane, Azeotropic Mixture
A2	N/A	Difluoromethane
B2	N/A	Dichlorotrifluoroethane

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TABLE I. Intended gas service - Continued.

Class code	Item name code <sup>1</sup>	Gas product
C2	51167	Dichlorotrifluoromethane (74%); Difluoroethane (26%)
D2	51167	Difluoromethane (50%); Pentafluoroethane (50%)
E2	51167	Difluoromethane (45%); Pentafluoroethane (55%)
F2	51167	Difluoromethane (20%); Pentafluoroethane (40%); Tetrafluoroethane (40%)
G2	51167	Difluoromethane (10%); Pentafluoroethane (70%); Tetrafluoroethane (20%)
H2	51167	Difluoromethane (23%); Pentafluoroethane (25%); Tetrafluoroethane (52%)
J2	51167	Monochlorodifluoromethane (49%); Monochloropentafluoroethane (51%)
K2	51167	Monochlorodifluoromethane (53%); Difluoroethane (13%); Monochlorotetrafluoroethane (34%)
L2	51167	Monochlorodifluoromethane (61%); Difluoroethane (11%); Monochlorotetrafluoroethane (28%)
M2	51167	Monochlorodifluoromethane (45%); Difluoroethane (7%); Monochlorodifluoroethane (5.5%); Octafluorocyclobutane (42.5%)
N2	51167	Monochlorodifluoromethane (60%); Monochlorotetrafluoroethane (25%); Monochlorodifluoroethane (15%)
P2	51167	Monochlorodifluoromethane (55%); Isobutane (4%); Monochlorodifluoroethane (41%)
R2	51167	Monochlorodifluoromethane (44%); Octafluoropropane (56%)
S2	51167	Monochlorodifluoromethane (70%); Octafluoropropane (5%); Monochlorotetrafluoroethane (25%)
T2	53035	Monochlorotetrafluoroethane
U2	N/A	Pentafluoroethane
V2	51167	Pentafluoroethane (60%); Propane (2%); Monochlorodifluoromethane (38%)
W2	51167	Pentafluoroethane (38%); Propane (2%); Monochlorodifluoromethane (60%)
X2	51167	Pentafluoroethane (50%); Trifluoroethane (50%)
Y2	51167	Pentafluoroethane (44%); Trifluoroethane (52%); Tetrafluoroethane (4%)
Z2	51167	Pentafluoroethane (7%); Trifluoroethane (46%); Monochlorodifluoromethane (47%)

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TABLE I. Intended gas service - Continued.

Class code	Item name code <sup>1</sup>	Gas product
A3	51167	Propylene (1.5%); Monochlorodifluoromethane (87.5%); Difluoroethane (11%)
B3	51167	Propylene (3%); Monochlorodifluoromethane (94%); Difluoroethane (3%)
C3	50311	Tetrafluoroethane
D3	N/A	Trifluoroethane
E3	N/A	Trifluoromethane
F3	51167	Trifluoromethane (39%); Hexafluoroethane (61%)
G3	51167	Trifluoromethane (40%); Monochlorotrifluoromethane (60%)
H3	N/A	Heptafluoropropane

<sup>1</sup> The item name codes are listed in the Federal Item Identification Guide (FIIG) T162.

**3.3 Preconditioning and internal preservation.** After hydrostatic and any other testing, cylinder internal surfaces shall be cleaned and dried to be free of moisture, oil, grease, grit, machining products, loose scale, slag, or other foreign materials. Rust bloom or particulate matter (approximately 1.0 to 1.5 grams) generated subsequent to inspection as a result of handling and shipping is acceptable. Cylinders tested hydrostatically and/or internally flushed for cleaning or cylinders that were tested or flushed with moisture laden air shall be immediately dried with hot filtered air or nitrogen to insure the effluent air or gas has a dew point of less than 30 °F (-1.1 °C). Immediately after internal drying, the cylinder shall be closed with the designated valve or plug. If the cylinder is closed with a valve, it shall be pressurized to approximately 5 pounds per square inch gage (psig) with dry oil-free nitrogen type I, grade A or B, class I, in accordance with A-A-59503, "Nitrogen, Technical", or type I, grade L or better, in accordance with Compressed Gas Association (CGA) G-10.1, "Commodity Specification for Nitrogen". The cylinder shall then be tagged at the valve "PRESERVED WITH NITROGEN GAS".

**3.4 Water capacity.** The cylinder water capacity shall comply with the applicable DOT 4B, 4BA, 4BW, or 4E requirements for the intended gas service and with any additional requirements specified in the acquisition order (see 7.3(e)).

**3.5 Size.** The cylinder size shall be one of the coded options listed in tables II and III (see 7.3(f)). The outside diameter and the height to the base of the valve shall be as specified in tables II and III for the size cylinder selected. The dimensional tolerances shall be  $\pm 0.25$  inch in diameter and  $\pm 1.00$  inch in height. Where tighter tolerances are required, they shall be cited in the procurement document and shall take precedence over the tolerances cited here.

**3.6 Tare weight.** The cylinder's maximum tare weight shall be as specified in tables II and III (see 7.3(g)), and shall be inclusive of the valve and cylinder but without the valve protection cap. The tare weight shall be stamped into the head of the cylinder in a position other than in sequence with another DOT permanent marking. The marking shall be displayed as required by CGA TB-15, "Requirements for the Post Manufacture Tare Weight Marking of Cylinders". The marking shall

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represent the tare weight of the cylinder and valve with an accuracy of one percent and shall be displayed in pounds (LB) and ounces (OZ) unless otherwise specified.

TABLE II. Cylinder sizes: refrigerants and fire fighting agents.

Size code	Diameter (inches)	Height <sup>1</sup> (inches)	Tare weight (lbs.)	Water capacity (lbs.)	Volume (cubic inches)
A	6.75	11.0	16	8.5	236
B	6.75	21.0	20	21.5	596
C	8.18	27.0	30	42.0	1,165
D	12.18	36.0	60	122.0	3,384
E	10.18	49.0	60	122.0	3,384
F	30.0	50.0	575	1,000.0	27,737

<sup>1</sup> Height to base of valve.

<sup>2</sup> Unless otherwise specified, the cylinder inlet threads shall be 3/4 - 14 NGT.

TABLE III. Cylinder sizes: liquefied petroleum gas.

Size code	Capacity (lbs.)	Diameter (inches)	Height <sup>1</sup> (inches)	Tare weight (lbs.)	Water capacity (lbs.)	Volume (cubic inches)
Steel						
G	20.0	12.25	13.75	18.5	47.6	1,320
H	30.0	12.25	20.00	25.5	71.4	1,980
I	40.0	12.25	25.12	30.0	95.2	2,640
J	60.0	12.16	37.37	45.0	143.0	3,966
K	100.0	14.75	42.50	77.0	240.0	6,657
L	200.0	24.00	34.06	142.0	476.0	13,203
M	300.0	30.00	34.00	216.0	714.0	19,804
N	420.0	30.00	45.62	270.0	1,000.0	27,737
O	25.5	9.00	29.00	27.0	60.7	1,684
Aluminum						
P	60.0	12.19	37.38	58.0	143.0	3,966
Q	100.0	14.50	43.69	72.0	238.0	6,601
R	20.0	12.25	14.75	13.0	47.6	1,320
S	30.0	12.50	21.00	16.5	71.5	1,983
T	33.0	12.25	22.37	16.0	80.0	2,219
U	40.0	12.50	26.53	19.5	95.3	2,644

<sup>1</sup> Height to base of valve.

<sup>2</sup> Unless otherwise specified, the cylinder inlet threads shall be 3/4 - 14 NGT.

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3.7 Service pressure. The cylinder service (operating) pressure shall be one of the coded options listed in table IV (see 7.3(h)). The rated service pressure for cylinders in liquefied compressed gas applications shall not be less than the pressures cited in 49 CFR 173.301, "General Requirements for Shipment of Compressed Gases and other Hazardous Materials in Cylinders, UN Pressure Receptacles and Spherical Pressure Vessels", and 49 CFR 173.304.

TABLE IV. Service pressure.

Code	Service pressure (psig)
A	240
B	260
C	300 <sup>1</sup>
D	400 <sup>1</sup>

<sup>1</sup> Refrigerants and fire fighting agents only.

3.8 Cylinder ownership markings. The U.S. Government ownership symbol, "US GOVT", as originally registered with the Bureau of Explosives and now the DOT, shall be stamped into the shoulder of the cylinder in letters 3/8 inch high. Cylinders less than 4 inches in diameter shall be stamped in 1/4-inch letters. The symbol shall be stamped directly below or offset 90 degrees from the DOT permanent markings.

3.9 Treatment and painting. The treatment and painting of cylinders shall be by any method or system that will provide a finish that meets the requirements of CGA TB-17, "Test Methods for Evaluating Paints and Coatings on Refillable Steel Compressed Gas Cylinders". The cylinders shall be color coded and stenciled in accordance with the requirements of MIL-STD-101, "Color Code for Pipelines and for Compressed Gas Cylinders", for the designated gas for which the cylinder is designed.

3.9.1 Bottom coating. Calcium sulfonate coating, such as Watson Armor Shield or an equivalent, shall be applied to each dry, clean steel cylinder bottom and footing, when applicable, as soon as practicable after cleaning processes are completed. Dry film thickness of the bottom coating shall be 3.0 to 7.0 one-thousandth of an inch (mil).

3.10 Components. The cylinder shall be fitted with a neck flange with a mated valve protection cap. The cylinder shall also be supplied with the designated valve or plug as specified.

3.10.1 Neck flange. Each cylinder neck flange shall be a welded part of the cylinder head and shall be free of visible defects (cracks, pits, scales, etc.) or foreign materials (sand, flux, etc.). The flange threads shall be free of any damage.

3.10.2 Valve protection cap. The cylinder neck flange shall mate with a valve protection cap of the size and thread as designated for the neck flange. The cap shall turn smoothly and freely on its threads to full thread engagement. The cap shall be free of any cracks or dents and shall be painted the same color and with the same quality as the shoulder of the cylinder.

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3.10.3 Closure. If required, the cylinder shall be furnished with a designated valve according to A-A-59860, "Valves, Cylinder, Gas (for Compressed or Liquefied Gases)". The valve shall be one of the coded options listed in table V (see 7.3(i)). The valve shall meet all of the requirements of A-A-59860 as referenced by the valve part or identification number (PIN). When a valve is not designated, the cylinder shall be closed with a brass plug (hex wrenching flats) and Teflon<sup>®</sup> or equivalent polytetraflouroethylene (PTFE) tape to afford proper sealing and easy removal.

TABLE V. Valve specification.

Valve code	Former detail specification number <sup>1</sup>	A-A-59860 valve PIN	Valve code	Former detail specification number <sup>1</sup>	A-A-59860 valve PIN
001	MIL-DTL-2/1	AA59860-001	094	MIL-DTL-2/47	AA59860-094
002		AA59860-002	095	MIL-DTL-2/48	AA59860-095
003	MIL-DTL-2/2	AA59860-003	096		AA59860-096
004		AA59860-004	097	MIL-DTL-2/50	AA59860-097
005	MIL-DTL-2/3	AA59860-005	098	MIL-DTL-2/51	AA59860-098
006		AA59860-006	099	MIL-DTL-2/52	AA59860-099
007	MIL-DTL-2/5	AA59860-007	100		AA59860-100
008		AA59860-008	101		AA59860-101
009		AA59860-009	102		AA59860-102
010		AA59860-010	103		AA59860-103
011		AA59860-011	104		AA59860-104
012	MIL-DTL-2/6	AA59860-012	105		AA59860-105
013		AA59860-013	106		AA59860-106
014		AA59860-014	107		AA59860-107
015		AA59860-015	108		AA59860-108
016		AA59860-016	109	MIL-DTL-2/53	AA59860-109
017	MIL-DTL-2/7	AA59860-017	110		AA59860-110
018	MIL-DTL-2/8	AA59860-018	111		AA59860-111
019	MIL-DTL-2/9	AA59860-019	112		AA59860-112
020	MIL-DTL-2/10	AA59860-020	113	MIL-DTL-2/54	AA59860-113
021	MIL-DTL-2/11	AA59860-021	114		AA59860-114
022		AA59860-022	115	MIL-DTL-2/55	AA59860-115
023		AA59860-023	116		AA59860-116
024		AA59860-024	117		AA59860-117
025		AA59860-025	118		AA59860-118
			119		AA59860-119

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TABLE V. Valve specification - Continued.

Valve code	Former detail specification number <sup>1</sup>	A-A-59860 valve PIN	Valve code	Former detail specification number <sup>1</sup>	A-A-59860 valve PIN
026	MIL-DTL-2/14	AA59860-026	120	MIL-DTL-2/56	AA59860-120
027		AA59860-027	121		AA59860-121
028		AA59860-028	122		AA59860-122
029		AA59860-029	123	MIL-DTL-2/57	AA59860-123
030	MIL-DTL-2/15	AA59860-030	124		AA59860-124
031		AA59860-031	125		AA59860-125
032	MIL-DTL-2/16	AA59860-032	126	MIL-DTL-2/58	AA59860-126
033		AA59860-033	127	MIL-DTL-2/59	AA59860-127
034	MIL-DTL-2/17	AA59860-034	128		AA59860-128
035	MIL-DTL-2/18	AA59860-035	129		AA59860-129
036	MIL-DTL-2/19	AA59860-036	130	MIL-DTL-2/60	AA59860-130
037		AA59860-037	131		AA59860-131
038		AA59860-038	132	MIL-DTL-2/61	AA59860-132
039	MIL-DTL-2/20	AA59860-039	133	MIL-DTL-2/62	AA59860-133
040	MIL-DTL-2/21	AA59860-040	134	MIL-DTL-2/63	AA59860-134
041	MIL-DTL-2/22	AA59860-041	135	MIL-DTL-2/64	AA59860-135
042		AA59860-042	136		AA59860-136
043		AA59860-043	137	MIL-DTL-2/65	AA59860-137
044		AA59860-044	138		AA59860-138
045		AA59860-045	139	MIL-DTL-2/66	AA59860-139
046		AA59860-046	140		AA59860-140
047		AA59860-047	141		AA59860-141
048		AA59860-048	142		AA59860-142
049		AA59860-049	143		AA59860-143
050		AA59860-050	144	MIL-DTL-2/67	AA59860-144
051		AA59860-051	145		AA59860-145
052		AA59860-052	146	MIL-DTL-2/68	AA59860-146
053		AA59860-053	147		AA59860-147
054		AA59860-054	148		AA59860-148
055		AA59860-055	149		AA59860-149
056		AA59860-056	150		AA59860-150
057		AA59860-057	151	MIL-DTL-2/69	AA59860-151
058		AA59860-058	152	MIL-DTL-2/70	AA59860-152
059		AA59860-059	153		AA59860-153
060		AA59860-060			
061	MIL-DTL-2/23	AA59860-061			
062	MIL-DTL-2/24	AA59860-062			



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TABLE V. Valve specification - Continued.

Valve code	Former detail specification number <sup>1</sup>	A-A-59860 valve PIN	Valve code	Former detail specification number <sup>1</sup>	A-A-59860 valve PIN
063	MIL-DTL-2/26	AA59860-063	154	MIL-DTL-2/71	AA59860-154
064		AA59860-064	155		AA59860-155
065		AA59860-065	156		AA59860-156
066		AA59860-066	157		AA59860-157
067		AA59860-067	158		AA59860-158
068	MIL-DTL-2/27	AA59860-068	159		AA59860-159
069		AA59860-069	160		AA59860-160
070	MIL-DTL-2/28	AA59860-070	161		AA59860-161
071	MIL-DTL-2/29	AA59860-071	162		AA59860-162
072		AA59860-072	163		AA59860-163
073	MIL-DTL-2/37	AA59860-073	164	MIL-DTL-2/72	AA59860-164
074		AA59860-074	165		AA59860-165
075	MIL-DTL-2/38	AA59860-075	166		AA59860-166
076	MIL-DTL-2/39	AA59860-076	167	MIL-DTL-2/73	AA59860-167
077		AA59860-077	168	MIL-DTL-2/74	AA59860-168
078		AA59860-078	169		AA59860-169
079		AA59860-079	170	MIL-DTL-2/75	AA59860-170
080		AA59860-080	171		AA59860-171
081	MIL-DTL-2/41	AA59860-081	172	MIL-DTL-2/76	AA59860-172
082		AA59860-082	173		AA59860-173
083	MIL-DTL-2/42	AA59860-083	174		AA59860-174
084	MIL-DTL-2/43	AA59860-084	175		AA59860-175
085	MIL-DTL-2/44	AA59860-085	176		AA59860-176
086		AA59860-086	177	MIL-DTL-2/77	AA59860-177
087		AA59860-087	178		AA59860-178
088		AA59860-088	179		AA59860-179
089	MIL-DTL-2/46	AA59860-089	180		AA59860-180
090		AA59860-090	181		AA59860-181
091		AA59860-091	182		AA59860-182
092		AA59860-092			
093		AA59860-093			

<sup>1</sup> The former detail specification number is provided for cross-reference purposes only.

3.10.4 Neck rings or foot rings. When specified, the cylinder shall be furnished with a valve protection neck ring and/or foot ring (see 7.3(j)). The neck ring, also known as a collar, shall fully protect the cylinder valve from destructive damage during cylinder tip over and the foot ring shall hold the cylinder in a stable vertically upright position. Each shall be securely welded to the

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cylinder heads. The valve protection ring shall be designed to provide easy attachment of the cylinder accessories.

3.10.5 Pressure relief device. If required, the cylinder and valve assembly shall be furnished with a pressure relief device (see 7.3(k)) as stipulated in the designated valve specification. When required, additional relief devices shall be installed in the cylinder shell. All pressure relief devices shall be selected, designed, and tested in accordance with CGA S-1.1, "Pressure Relief Device Standards - Part 1 - Cylinders for Compressed Gases".

#### 4. REGULATORY REQUIREMENTS

4.1 Transportation safety. Manufacturers and users of compressed gas cylinders shall comply with all applicable DOT statutes and regulations for the inspection, test, storage, transportation, environmental impact, ownership accountability, and disposal of compressed gas cylinders and their contents.

4.2 Recovered materials. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

#### 5. PRODUCT CONFORMANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace. The government reserves the right to require proof of such conformance.

5.2 Market acceptability. The product offered must have been previously sold either to the government or on the commercial market.

5.3 Foreign manufacture. If the cylinder product being offered is foreign-made, the contractor shall offer manufacturer's records confirming that the fabrication meets the requirements of 49 CFR 178, Subpart C.

5.4 Manufacturer's and inspector's reports and records. The contractor or the cylinder manufacturer shall offer and make available the manufacturer's and inspector's reports and records confirming the fabrication of the purchased cylinders was performed by a DOT registered manufacturer and that all requirements of 49 CFR 178, Subpart C, and this purchase document have been met.

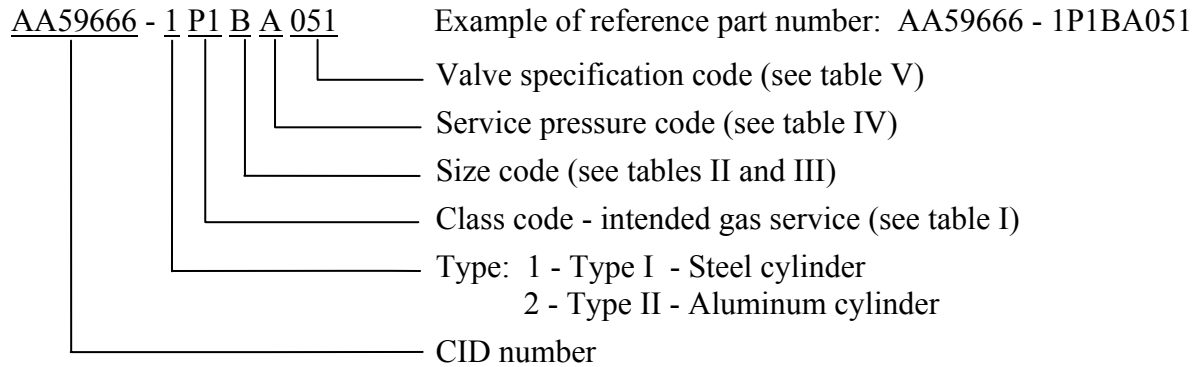
#### 6. PACKAGING

6.1 Preservation, packaging, labeling, and marking. Unless otherwise specified in the acquisition order (see 7.3(l)), the cylinders supplied shall be preserved, packaged, labeled, and marked in accordance with 49 CFR 178. When required, palletization shall be as specified in the acquisition order (see 7.3(m)).

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## 7. NOTES

7.1 Part or identification number (PIN). The following PIN procedure is for government purposes and does not constitute a requirement for the contractor.



AA59666 - 1 P1 B A 051 indicates: steel cylinder; intended gas service 49507, propane; diameter 6.75 inches, height 21 inches, tare weight 20 pounds, water capacity 21.50 pounds, volume 596 cubic inches; service pressure 240 psig; valve PIN AA59860-051.

7.2 Sources of documents.

7.2.1 CFR and FAR. Copies of CFR and FAR may be obtained from the Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Electronic copies of CFR documents may be obtained from <http://www.gpoaccess.gov/cfr/>. Electronic copies of FAR documents may be obtained from <https://www.acquisition.gov/far/>.

7.2.2 Federal CIDs. Copies of federal CIDs may be obtained from General Services Administration, Federal Supply Service, Specification Section, 470 East L'Enfant Plaza SW, Suite 8100, Washington, DC 20407. Electronic copies may be obtained from <https://assist.daps.dla.mil/>.

7.2.3 Federal FIIGs. Copies of federal FIIGs may be obtained from DLIS-VAB Customer Interaction Center, Defense Logistics Information Service, 74 Washington Ave N Ste 7, Battle Creek, MI 49037-3084. Electronic copies may be obtained from <http://www.dlis.dla.mil/>.

7.2.4 Military standards. Copies of military standards may be obtained from Standardization Documents Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094. Electronic copies may be obtained from <https://assist.daps.dla.mil/>.

7.2.5 CGA publications. Copies of CGA publications may be obtained from the Compressed Gas Association, 4221 Walney Road, 5th Floor, Chantilly, VA 20151-2923. Electronic copies may be obtained from <http://www.cganet.com/>.

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7.3 Ordering data. The acquisition order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Type (see 3.1).
- c. Applicable DOT specification 4B, 4BA, 4BW, or 4E (see 3.1).
- d. Intended gas service (see 3.2).
- e. Water capacity (see 3.4).
- f. Size (see 3.5).
- g. Tare weight (see 3.6).
- h. Service pressure (see 3.7).
- i. Valve, if required (see 3.10.3).
- j. Neck ring/foot ring, if specified (see 3.10.4).
- k. Pressure relief device, if required (see 3.10.5).
- l. Preservation, packaging, labeling, and marking requirements, if different (see 6.1).
- m. Palletization, if required (see 6.1).

7.4 Subject term (key word) listing.

Aluminum  
 Fire extinguishing  
 Liquefied  
 Petroleum  
 Refrigerant  
 Steel

## MILITARY INTERESTS:

## Custodians:

Army - CE  
 Navy - SH  
 Air Force - 68  
 DLA - GS

## Review Activities:

Navy - CG, MC, MS  
 Air Force - 11

## Preparing Activity:

DLA - GS7

(Project 8120-2010-001)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST database at <https://assist.daps.dla.mil/>.