

INCH-POUND

MIL-HDBK-801(SH)
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SUPERSEDING
NAVSEA 0941-LP-047-3010

MILITARY HANDBOOK

LIST OF PRESSURE GAUGES



AMSC/NA

FSC 6685

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MIL-HDBK-801(SH)

DEPARTMENT OF THE NAVY

**NAVAL SEA SYSTEMS COMMAND
Washington, DC 20362-5101**

List of Pressure Gauges

1. This Military Handbook is approved for use by the Naval Sea Systems Command, Department of Navy, and is available for use by all departments and agencies of the Department of Defense.
2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Naval Sea Systems Command, SEA 55Z3, Department of the Navy, Washington, DC 20362-5101, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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FOREWORD

1. This handbook is prepared to provide a list of pressure gauges covered by military specifications and used aboard ships. The prime reference number used for all items is the National Stock Number (NSN).
2. This handbook supersedes publication NAVSEA 0941-LP-047-3010.

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HANDBOOK OF PRESSURE GAUGES APPLICABLE TO PROPULSION MACHINERY

1. SCOPE

1.1 Scope. This handbook covers environmentally hardened pressure gauges. Identity is established by the National Stock Number cross-referenced to the mil-spec classification.

1.1.1 Limitations. This handbook covers only gauges which are procured and tested to the requirements of MIL-G-18997. Gauges procured to Federal or commercial specifications are not included.

1.2 Application. This handbook is applicable for new construction, overhaul, ship alteration (SHIPALT), conversion, and repair.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

SPECIFICATIONS

MILITARY

MIL-G-18997 Gauge, Pressure, Dial Indicating

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19120-5094.)

2.1.2 Other Government drawings. The following Government drawings form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

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DRAWING

NAVAL SEA SYSTEMS COMMAND (NAVSEA)

NAVSHIPS 58700-841569 Ring, Steel, Flush Mount Gauge, Thermometer
NAVSHIPS 803-1385850 Piping, Instrument, Pressure for all Service

(Copies of drawing should be obtained from the contracting activity or as directed by the contractor.)

3. DEFINITIONS

This section is not applicable to this handbook.

4. GENERAL REQUIREMENTS

4.1 Arrangement. This handbook is broken down by the pressure gauge design as follows:

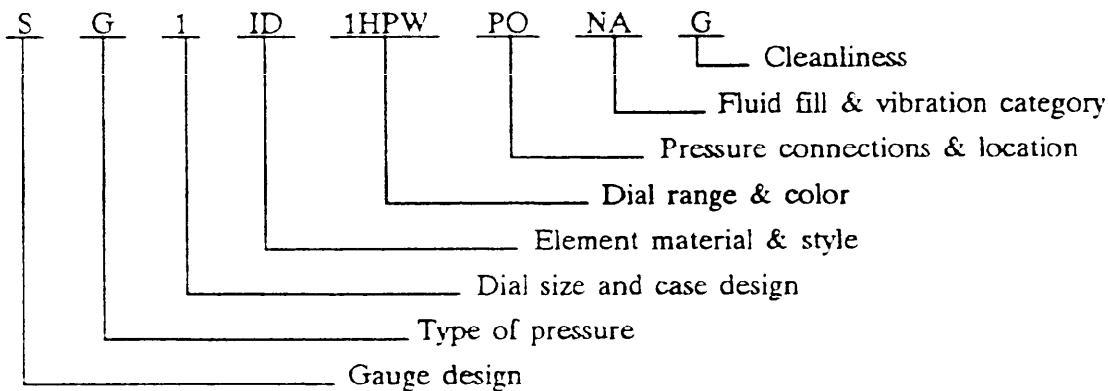
Simplex, gauge pressure
Simplex, gauge pressure, helical-wound edgeview mechanical pressure indicators (HEMPI)
Simplex, vacuum
Simplex, compound
Simplex, compound, helical-wound edgeview mechanical pressure indicators (HEMPI)
Simplex, retarded, compound
Simplex – caisson, gauge pressure
Simplex – refrigerant, compound
Duplex, gauge pressure

4.1.1 Gauge information. The information provided for each gauge is the following:

- Range (pressure and/or vacuum)
- Depth (caisson gauges only)
- Connection location
- Connection type
- Dial color
- Cleaning
- Dial diameter
- National stock number
- Gauge illustrations

MIL-HDBK-801(SH)**5. DETAIL REQUIREMENTS**

5.1 Classification. Pressure gauges are classified in accordance with the classification system specified in MIL-G-18997.



5.1.1 Design. Pressure gauge design is designated by one of the following symbols:

Pressure gauge design	Symbol
Simplex	S
Simplex – special applications	
Caisson	K
Cruising range	C
Oxygen	X
Refrigerant	R
Duplex	D

5.1.2 Type of pressure. Type of pressure that the pressure gauge shall indicate is designated by one of the following symbols:

Type of pressure	Symbol
Gauge pressure	G
Vacuum	V
Compound	C
Suppressed, gauge pressure	S
Retarded, gauge pressure	R
Retarded, compound pressure	T

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5.1.3 Dial size and case design. The dial size and case design is designated by one of the following symbols:

Dial size	Case design	Symbol
2	Stem mounted	1
2-1/2	Stem mounted	2
3-1/2	Flush/surface mounted	3
4-1/2	Flush/surface mounted	4
8-1/2	Flush/surface mounted	8

5.1.4 Elastic element. The elastic element is designated by two symbols as provided below. The first symbol is the elastic element material. The second symbol is the elastic element style.

Elastic element material	Symbol
K-monel	M
Inconel	I

Elastic element style	Symbol
C-type bourdon tube (gear drive)	C
Helical (also helical-spiral) bourdon tube (gear drive)	H
Helical (also helical-spiral) bourdon tube (direct drive)	D

5.1.5 Dial range and color. The range and color of the pressure gauge dial is designated by a sequence of symbols for the range followed by a single symbol for the color of the dial. The sequence of symbols for the range is selected from the appropriate table in MIL-G-18997. The single symbol for the color of the dial shall be designated by one of the following symbols:

Dial color	Symbol
White background dial with black graduations and markings	W
Special	S

5.1.6 Pressure connection and connection location. The type of pressure connection and its location for connection is designated by two symbols as provided below. The first symbol is the type of connection fitting. The second symbol is the location of the pressure connection.

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Pressure connection	Symbol
O-ring union	R
1/4 NPT (male)	P
Welded nipple	W
Brazed nipple	B
Threaded vent (caisson only)	K
Connection location	Symbol
Back	A
Bottom	O
5 o'clock	C

5.1.7 Liquid fill case fluid and vibration category. The option for the pressure gauge case containing a liquid fill and the vibration category is designated by the two symbols as provided below. The first symbol designates whether a fill fluid is required. The second symbol designates the vibration category (see MIL-G-18997).

Liquid fill	Symbol
None	N
Silicone	S
Vibration category	Symbol
Category A	A
Category B	B
Category C	C

5.1.8 Cleanliness. The cleanliness is designated by the symbols as specified below. The symbol designates the method of cleaning the pressure element assembly.

Cleanliness	Symbol
General applications	G
Oxygen applications	X

5.2 Gauge listing. See pages 7 through 36.

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6. NOTES

6.1 Intended use. This handbook is intended to provide a list of environmentally hardened pressure gauges available in the supply system. It is not an exhaustive list of what can be procured.

6.2 Flush mounting rings. Flush mounting rings for panel mounted gauges are not supplied with the stocked gauge. When these mounting rings are required for flush mounting of shipboard gauges, they shall be in accordance with NAVSHIPS Drawing 5000-S8700-841569.

6.3 Safety case. All pressure gauges are supplied with a safety case.

6.4 Installation. Pressure gauges are installed in accordance with the requirements of NAVSEA Drawing 803-1385850.

6.5 Selecting a pressure gauge. The size of a gauge is designated by the normal diameter of the dial. 2, 2-1/2, 3-1/2, 4-1/2, and 8-1/2 inch dial sizes are considered standard for Navy use. When selecting a gauge for new installations, choose a gage having a maximum scale reading which is approximately 40 percent above the anticipated working pressure for the application. This will ensure a more accurate reading and provide for an adequate safety factor against overpressure.

When selecting a substitute gauge, choose a gauge with the next largest pressure range, but do not exceed the operating pressure range for the application by more than 50 percent.

Example: If a gauge with a range of 0-100 psi is required for the application, do not substitute a gauge with a range exceeding 0-150 psi.

6.6 Acquisition requirements. Acquisition of pressure gauges should be in accordance with MIL-G-18997.

6.7 Subject term (key word) listing.

Bourdon
Dial
Direct drive
Duplex
Pressure range
Simplex

Preparing Activity
NAVY - SH
(Project 6685-N819)

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National stock number (and classification) to item number.

National stock number	Item number	Classification
6685-00-016-1877	SG8 6HPSPANAG	450
6685-00-016-1886	SGA 1HPSPANAG	549
6685-00-016-2266	SC1MCKPWTNAG	681
6685-00-016-2342	SGA 1HPSPANAG	204
6685-00-016-0839	SC1 C21ICWPTNAG	877
6685-00-067-8881	SC4 1KSPONAG	634
6685-00-073-6731	SC1M 1KPNWNANAG	618
6685-00-073-9885	SC4 2HPWPANAG	279
6685-00-073-9886	SG4 1HPWPANAG	154
6685-00-078-3141	SCRM 1SHWRANAG	565
6685-00-078-3144	SC4M1CKPWWAX	494
6685-00-079-1414	SG4 3HPWTONCG	309
6685-00-079-1415	SG4 1KPWTONCG	499
6685-00-079-1415	SC4M150CWRANAG	858
6685-00-079-9588	SG7 4HPWTONCG	352
6685-00-080-2100	SG1M 10PSRANAG	113
6685-00-086-9106	DG4MD4HPWRANAG	965
6685-00-086-9123	SG2 10PSRONCG	17
6685-00-097-8596	SG2 30PWPONCG	724
6685-00-123-1922	SG4 5KWPONAG	759
6685-00-123-1923	SG4 8KWPONAG	841
6685-00-123-1926	SC1M1HICWRANAG	794
6685-00-127-6198	SC1M15CWRANAG	680

National stock number	Item number	Classification
6685-00-127-6200	SG3 2HPWPANAG	228
6685-00-127-6201	SG3 2KWPWPANAG	588
6685-00-128-1861	SGRM 8HPWRANAG	465
6685-00-132-1175	RC3MD1HC4WRANAG	940
6685-00-132-5176	SC8MC1HHPWRANAG	305
6685-00-135-0669	SGAM 8HPWRONAG	454
6685-00-135-0672	SG4 1HPWPANAG	159
6685-00-135-0673	SGGMCM1HPSRONAG	178
6685-00-135-0674	DG4M 8HPWRONAG	971
6685-00-168-0386	SG4 30PWTANAG	34
6685-00-176-5831	SG4 SKPWCANAG	729
6685-00-198-9473	SGGMDSKPKWONAG	648
6685-00-228-9352	SG8 4HPWPANAG	380
6685-00-244-1810	SG2 1HPWTONCG	147
6685-00-246-2157	SG2 4HPWPONCG	357
6685-00-246-2150	DG4 1HPWPONAG	953
6685-00-246-2151	SG2 1SPWPONCG	2
6685-00-246-2154	SG2 30PWPONCG	22
6685-00-246-2155	SG2 60PWPONCG	92
6685-00-248-1659	SG4 C6HPWPANAG	414
6685-00-248-1671	SG8 3KLPWANAG	615
6685-00-248-1671	SG8 DSKPWPANAG	680

National stock number	Item number	Classification	Classification	Item number
6685-00-248-6990	SG1 6HPWTONAG	408		
6685-00-251-1356	SG3 C1KSPANAG	478		
6685-00-252-0555	DG4 C1KWPWTONAG	977		
6685-00-252-0707	SG2 30PWPANAG	27		
6685-00-252-3017	SC4 C1HCPWTONAG	902		
6685-00-252-3037	SG4 3KWPWTONAG	629		
6685-00-257-4088	SG3 2HPSPANAG	253		
6685-00-264-3968	SC3 1HPWPANAG	158		
6685-00-264-3972	SG1 2HPWPANAG	258		
6685-00-264-3986	SC1 C2HCPWTANAG	881		
6685-00-291-1151	SC4 C10CWPANAG	822		
6685-00-306-4873	SC3 6HPSPANAG	193		
6685-00-325-0426	SG4 SKSPANAX	734		
6685-00-405-4991	SG2 3HPWP1 CG	307		
6685-00-416-6974	SG2 3HPWP CG	312		
6685-00-469-8896	SC4MC6HPWWONAX	419		
6685-00-469-8887	SC4MC15HPWWONAG	544		
6685-00-469-8888	SG4 30PSPANAG	39		
6685-00-469-8893	SG4 1KSPANAG	669		
6685-00-514-4072	SG2 1HPWP1HCG	612		
6685-00-515-5109	SC3 C2KPS1ANAG	576		
6685-00-526-4267	SG3 MHPWPANAG	28		

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National stock number (and classification) to item number – Continued.

National stock number	Classification	Item number
6685-00-526-6539	SG2 1HPWPANAG	152
6685-00-526-8702	DG4 2H1TPANAG	959
6685-00-527-6213	SG2 3HPWP CG	302
6685-00-527-6214	SG2 2HPWTONCG	222
6685-00-527-6217	SG2 2H1PWPANAG	227
6685-00-527-6299	SC4 C4H1CSPANAG	906
6685-00-527-6310	SG4 1K1SPANAG	14
6685-00-527-6323	SG2 1K1SPONCG	472
6685-00-527-6362	SC3 C4H1CSPANAG	889
6685-00-527-7439	SG1 1K1SPANAG	498
6685-00-530-0357	DG4 301SPANAG	944
6685-00-530-0163	SG2 601WPONCG	97
6685-00-530-4021	SG7 601PWTANCG	102
6685-00-530-4131	SG3 2K1WPONAG	591
6685-00-531-4927	SG4 301WPANAG	74
6685-00-542-1136	DG4 2H1PWPANAG	962
6685-00-542-1139	SG8 1S1PWPANAG	570
6685-00-542-1140	SG4MCS1K1WPANAG	679
6685-00-542-1140	SG4 21HPWPANAG	784
6685-00-542-1671	SG4 2HPWPANAG	146
6685-00-551-8602	SG1 1HPWTONCG	368
6685-00-551-9030	SG3 41HPSPANAG	163
6685-00-555-4197	SG1 1HPWPANAG	

National stock number	Classification	Item number
6685-00-555-4198	SG3 C3HPWPANAG	301
6685-00-580-9731	SG2 1HPWP CG	172
6685-00-585-0834	SG4 601PWPANAG	119
6685-00-585-0834	SG4 1S1HPWPANAG	575
6685-00-585-1216	SG8 1S1HPWPANAG	968
6685-00-585-4129	DG4 C4HPWPANAG	444
6685-00-585-9752	SG4 61HPWPANAG	739
6685-00-585-9756	SG4 5K1PWPANAG	213
6685-00-591-1952	SG3M2H1PWPONAG	
6685-00-618-6613	SG2 601WP CG	107
6685-00-725-1307	SV8 CVWCANAG	788
6685-00-725-1309	SG4 1HPWCANAG	184
6685-00-725-1113	SG4 2HPWPANAG	264
6685-00-725-1122	SG4 301PWCANAG	49
6685-00-725-1121	SG4 301PWCANAG	54
6685-00-725-1132	SG8 3HPWCANAG	340
6685-00-725-1346	SC4 C1S0CWCANAG	854
6685-00-726-4226	SG3 C1H1WPANCG	151
6685-00-727-0522	SG4MCD60PWPANAG	104
6685-00-727-4746	SG4 2HPWPANAG	289
6685-00-728-1018	SG3 61HPWCANAG	798
6685-00-739-2792	SG4 1K1PWPANAG	529
6685-00-747-9258	SG2 1HPWPANCG	157

National stock number	Classification	Item number
6685-00-760-6692	SG4MCR1HPWPONAG	459
6685-00-840-8628	SG4 2K1WPANAG	589
6685-00-840-7633	SG8 1K1WPANAG	505
6685-00-847-5863	SG4 1K1WPONAG	534
6685-00-847-5864	SG4 1S1HPWPANAG	554
6685-00-847-5865	SG4 1S1HPWPONAG	559
6685-00-847-5867	SG8 31HPWPANAG	315
6685-00-847-5870	SG8 61HPWPANAG	415
6685-00-847-5872	SG8 81HPWPANAG	470
6685-00-847-5875	SG8 1K1WPONAG	500
6685-00-807-5876	SG8 C1S1HPWPANAG	555
6685-00-807-5879	SG8 C2K1WPONAG	595
6685-00-807-9653	SG4 C61HPWPANAG	424
6685-00-819-8824	SG2 SK1PWPANCG	677
6685-00-815-0776	SG3 301WPANAG	31
6685-00-816-2679	SG4 SK1PWPANAG	744
6685-00-816-8987	RCRM 1S1CSRANAG	938
6685-00-818-0552	SG2 C30PWPANCG	32
6685-00-841-1425	SG4M15CSRANAG	798
6685-00-849-5307	SG4 2HPWCANAG	249
6685-00-857-4277	SG1M1D1HPWPANAG	313
6685-00-872-4742	SG4 611SP1ANAG	114

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National stock number (and classification) to item number – Continued.

National stock number	Classification	Item number
6685-00-872-4743	SG4 M1D1KWPWRANAG	129
6685-00-872-4745	SG4 D1IPWPANAG	229
6685-00-872-4729	SG4 M1D1KWPWRANAG	504
6685-00-878-0702	SG4 1IPWPANAG	79
6685-00-881-0735	SG4 1KPS1PANAG	769
6685-00-881-0736	SG4 3IPSPANAG	349
6685-00-881-0742	SG4 M1KPS1PANAG	509
6685-00-881-0762	SG4 2IPSPANAG	269
6685-00-881-0763	SG4 C1KPS1PANAG	619
6685-00-881-0775	SG4 C0PSPANAG	134
6685-00-905-6842	SG4 D1IPSPANAG	209
6685-00-905-4841	SG4 C1IPSPANAG	321
6685-00-906-3938	SC4 M1D1KWPWRANAG	802
6685-00-906-4003	SC4 M1D1KWPWRONAG	850
6685-00-906-4006	SG4 M1D1WPWRANAG	784
6685-00-910-6949	SG4 1IPWPANAG	162
6685-00-920-2292	SG4 3IPWPANAG	89
6685-00-922-2837	SG4 1IPWPANAG	84
6685-00-925-1978	SG3 1SPWPANAG	8
6685-00-934-8669	SG4 R1PWPANAG	464
6685-00-938-7378	SG3 10IPWCANAG	123
6685-00-965-5195	SC4 C10CWPANAG	826

National stock number	Classification	Item number
6685-00-965-5435	SG4 2IPWPONCG	224
6685-00-965-5438	SG4 SKWPWONCG	689
6685-00-974-6509	SC4 D4QCWRANAG	838
6685-00-974-6516	DG4MD4PWRONAG	947
6685-00-995-3610	SG2 30IPSPANCG	17
6685-01-013-2806	SG4 30IPWPANAG	29
6685-01-013-2808	SG4 3H1PWPANAG	1014
6685-01-014-9285	SG4 1SPWPANAG	9
6685-01-015-4644	SG4 61IPWPANAG	420
6685-01-046-5741	SC3MC30CWPANAG	813
6685-01-046-5742	SC3MC10CWPANAG	817
6685-01-016-6741	SC3MC11HCWPANAG	845
6685-01-046-6744	SC3MC15CWPANAG	851
6685-01-046-6746	SC3M 3H1CWPANAG	891
6685-01-046-6747	SC3 3H1CWPANAG	897
6685-01-046-6748	SC3MC61HCWPANAG	999
6685-01-046-6749	SC4 MC30CWPANAG	814
6685-01-046-6750	SC4MC30CWPANAG	818
6685-01-046-6751	SG4M SKPWPANAG	699
6685-01-046-6754	SG4MC5SKPWPANAG	709
6685-01-046-6755	SG4MC5SKPWPANAG	694
6685-01-046-6756	SG4MC1KPKWPANAG	714

National stock number	Classification	Item number
6685-01-046-6757	SG4MC8KPWCANAG	749
6685-01-046-6760	SG4MC8KPWCANAG	754
6685-01-046-6764	SGRM C21IPWPANAG	240
6685-01-046-6766	SGRM C1KWPWCANAG	485
6685-01-046-6768	SGRM C1KWPWCANAG	520
6685-01-047-5081	SC4MC15OCWPANAG	862
6685-01-047-5082	SC4MC15OCSCANAG	866
6685-01-047-5083	SC4MC13HCWPANAG	886
6685-01-047-5084	SC4MC13HCWCANAG	898
6685-01-047-5085	SC4MC61HCWPANAG	914
6685-01-047-5086	SC4MC1KWPWCANAG	918
6685-01-047-5088	SC4MC10CWPWCANAG	810
6685-01-047-5089	SC4MC11HCWPWCANAG	824
6685-01-047-5091	SC4 10CWPWCANAG	814
6685-01-047-5094	SG1M 60PWPWCANAG	118
6685-01-047-5095	SG1MC30PWPWCANAG	43
6685-01-047-5097	SG1MC10PWPWCANAG	48
6685-01-047-5099	SG3MC11HPWPWCANAG	183
6685-01-047-5100	SG3MC11HPSCANAG	188
6685-01-047-5102	SG3MC4HPWPWCANAG	363
6685-01-047-5104	SG3MC5SKPWPWCANAG	693
6685-01-047-5106	SG3MC1KPKWPWCANAG	623

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National stock number (and classification) to item number – Continued.

National stock number	Classification	Item number
6685-01-047-5108	SG1MC2KWPWCANAG	581
6685-01-047-5113	SG1MC1KWPWCANAG	763
6685-01-047-5117	SG1MC211PWCANAG	219
6685-01-047-5120	SG4MC2KWPWCANAG	584
6685-01-047-5121	SG14MC2KWPWCANAG	599
6685-01-047-5122	SG4 2KPSCANAG	604
6685-01-047-5124	SG4MC3KPSCANAG	639
6685-01-047-5125	SG4MC1KWPWCANAG	624
6685-01-047-5127	SG4MC5KWPWCANAG	704
6685-01-047-5128	SG4M 3KWPWCANAG	644
6685-01-047-5130	DG4MC1HPWCANAG	950
6685-01-047-5136	DG4MC4HPWCANAG	974
6685-01-047-5138	SV4MCVWVWCANAG	787
6685-01-047-5140	SV4MCVWVWCANAG	791
6685-01-049-8057	SG1M 61IPWRONAG	383
6685-01-049-8050	ST4MC1P2WCANAG	923
6685-01-049-8057	SG1 61IPWCANAG	403
6685-01-049-8060	SG1MC211PWCANAG	218
6685-01-049-8061	SG1MC3KPSCANAG	243
6685-01-049-8063	SG4MC30PSCANAG	69
6685-01-049-8067	SG1MC8KWPWCANAG	748

National stock number	Classification	Item number
6685-01-049-8067	SG3M SKYVWCANAG	701
6685-01-049-8070	SG4MC1HPSCONAG	194
6685-01-049-8072	SG4MC4HPWCANAG	129
6685-01-049-8074	SVRMCVVWCORAG	782
6685-01-049-8076	SVAMCVVWCANAG	780
6685-01-050-1831	SG1MC1KWPWCANAG	483
6685-01-054-1731	SG3MC4HPWCANAG	398
6685-01-054-1732	SG3MC21HPWCANAG	248
6685-01-054-1733	SG3MC10VWCANAG	53
6685-01-057-9160	SG4MC1KWPWCANAG	484
6685-01-057-9161	SG4MC1KPSCANAG	514
6685-01-057-9162	SG4MC1KWPSCANAG	519
6685-01-057-9163	SG4MC1KPSCANAG	524
6685-01-057-9165	SG4MC4HPSCANAG	324
6685-01-059-6267	SG4MC60VWCANAG	119
6685-01-062-4650	SG4MC31HPWCANAG	319
6685-01-063-7425	SG4M 30PWRONAG	59
6685-01-067-1741	SG4MC2KWPSCANAG	609
6685-01-074-2531	SG4M 30PWRONAG	64
6685-01-074-2535	SG4M 31PWRONAG	344
6685-01-074-2536	SG4MC3KWPWCANAG	649

National stock number	Classification	Item number
6685-01-076-1746	SG4M 61PWRONAG	414
6685-01-087-7347	KG4MC11KWKCNAG	910
6685-01-104-2427	SG2 31IPWRO CG	317
6685-01-119-7056	SG4 C21IPWTANAG	259
6685-01-122-5983	KG4MC11HKWKCNAG	933
6685-01-122-7465	SC4 150CWTANAG	874
6685-01-169-4145	SG4 3KFWCANAG	674
6685-01-225-0369	SG4 WPANAG	569
6685-01-240-1426	SG4 2HPWRONAG	294
6685-01-240-1412	ST4 R3WRAANAG	927
6685-01-240-1413	SC4 1SCWTRANAG	806
6685-01-240-1434	SG4 21IPWRAANAG	274
6685-01-240-1435	SG4 5KPWRANAG	719
6685-01-240-1436	SG4 61HPWRANAG	439
6685-01-240-1437	SG4 3KIPWRANAG	634
6685-01-240-1438	SC4 1SCWTRANAG	810
6685-01-240-3172	SG3 30PWRONAG	63
6685-01-240-3745	SG4 3KPWRANAG	659
6685-01-240-3746	SG4 3KIPWRONAG	644
6685-01-240-3747	SG4 41IPWRONAG	374
6685-01-240-3748	SG4 11IPWRONAG	199

MIL-HDBK-801(SH)

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Gauges Index

National stock number (and classification) to item number – Continued.

National stock number	Classification	Item number
6685-01-240-3749	SG4 150C-WRONAG	870
6685-01-240-3750	DG4 21PWRONAG	976
6685-01-240-3751	SG3 101PWRANAG	98
6685-01-245-5222	SG4 1KPWRANAG	119
6685-01-245-5223	SG4 11PWRANAG	214
6685-01-245-5224	SG4 21PWRANAG	299
6685-01-245-5225	SG4 11PWRONAG	219
6685-01-245-5227	SG4 607WWRANAO	144
6685-01-267-6443	SF11D6HPGHANBG	920
6685-01-273-6071	SG11D10PGHANBG	771
6685-01-267-6114	SG11D1KPGHANBG	775
6685-01-267-6445	SG11D10PGHANBG	776
6685-01-267-6446	SG11D1KPGHANBG	777
6685-01-267-6447	SG11D1KPGHANBG	778
6685-01-267-6448	SG11D1KPGHANBG	779
6685-01-273-6070	SG11D10PGHANBG	771
6685-01-273-6071	SG11D10PGHANBG	772
6685-01-273-6072	SG11D10PGHANBG	773
6685-01-273-6073	SG11D10PGHANBG	774
6685-01-274-7780	SG2 11PWP0 CG	167

MIL-HDBK-801(SH)

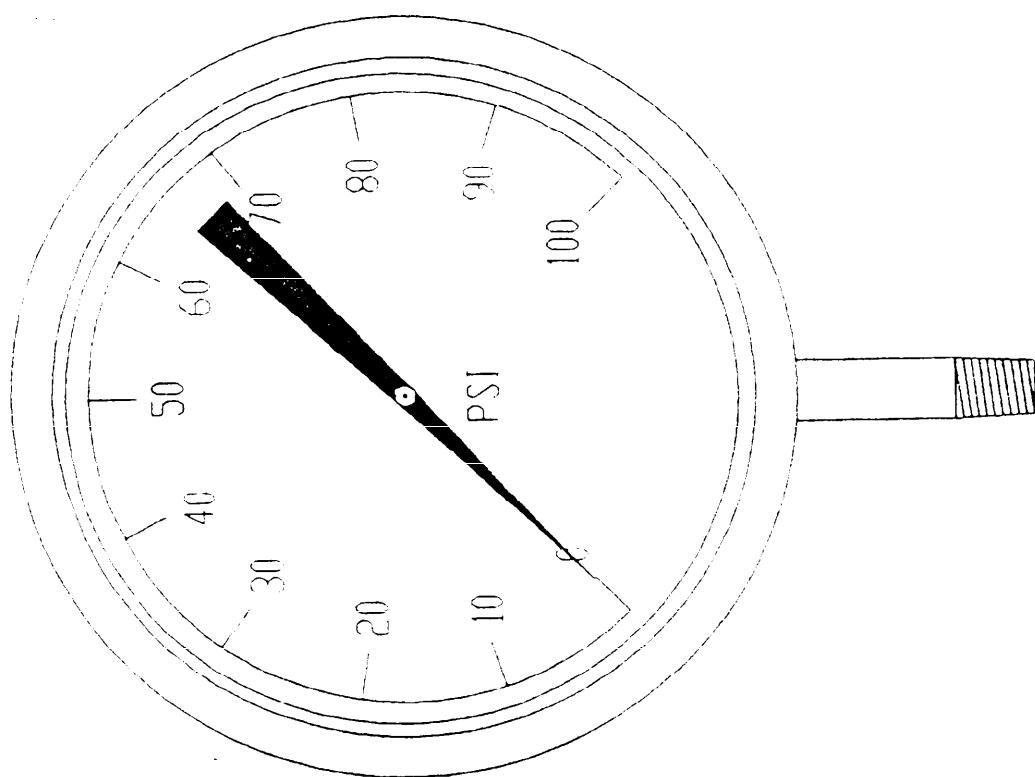


FIGURE 1. Simplex gauge pressure.

Gauges
Simplex

Gauge pressure
2", 2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters

MIL-HDBK-801(SH)

Range press. (psi)	Connection data	Dial color	Cleaning	Item No.	2" Dial	Item No.	2 1/2" Dial	Item No.	3 1/2" Dial	Item No.	4 1/2" Dial	Item No.	8 1/2" Dial	Item No.	
					1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	
0- 15	Bottom	White	General	1			2	6685-00-246-2163	3		4	6685-01-014-9285	5		
0- 15	Back	White	General	6			7		8	6685-00-925-1978	9		6685-00-527-6310	10	
0- 15	Back	Black	General	11			12		13		14		15		
0- 30	Bottom	Black	General	16			17	6685-00-097-81596	18		19		20		
0- 30	Bottom	Black	General	21			22	6685-00-246-2164	21		24		25		
0- 30	Back	White	General	26			27	6685-00-752-0107	28		29	6685-01-013-2106	30		
0- 30	Back	White	General	31			32	6685-00-838-0552	31		34	6685-00-168-0186	35		
0- 30	Back	Black	General	36			37	6685-00-995-1619	38		39	6685-00-469-8888	40		
0- 30	Bottom	White	General	41			42		43		44		45		
0- 30	Back	White	General	46			47		48		49		50		
0- 30	Back	White	General	51			52		53		54		55		
0- 30	Back	White	General	56			57		58		59		60		
0- 30	Back	O-Ring	White	61			62		63		64		65		
0- 30	Bottom	O-Ring	White	66			67		68		69		70		
0- 30	Back	Black	General	71			72		73		74		75		
0- 30	Back	White	General	76			77		78		79		80		
0- 30	Back	White	General	81			82		83		84		85		
0- 30	Back	White	General	86			87		88		89		90		
0- 60	Bottom	1/4" NPT	White	91			92	6685-00-246-2165	93		94		95		
0- 60	Bottom	1/4" NPT	White	96			97	6685-00-530-0163	98		99		100		
0- 60	Back	1/4" NPT	White	101			102	6685-00-510-4021	103		104	6685-00-727-0522	105		
0- 60	Bottom	1/4" NPT	White	106			107	6685-00-618-6613	108		109		110		
0- 60	Back	O-Ring	Black	111			112		113		114		115		
0- 60	Back	O-Ring	White	116			117		118		119		120		
0- 60	Back	White	General	121			122		123		124		125		
0- 60	Back	White	General	126			127		128		129		130		
0- 60	Back	Black	General	131			132		133		134		135		
0- 60	Back	Black	General	136			137		138		139		140		

Gauges
Simplex

Gauge pressure
2", 2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters – Continued.

Range press. (psi)	Connection data		Dial color	Item No.	2" Dial	Item No.	2 1/2" Dial	Item No.	3 1/2" Dial	Item No.	4 1/2" Dial	Item No.	8 1/2" Dial
	Location	Type											
0- 60	Back	O ring	White	141	6685.00-.551.8GJ2	142		143		144	6685.01-245.5227	145	
0- 100	Bottom	1/4" NPT	White	146	6685.00-.551.8GJ2	147	6685.00-.244.1810	148	6685.00-.726.4226	154	6685.00-.073.9886	155	
0- 100	Back	1/4" NPT	White	151	6685.00-.526.6519	152	6685.00-.526.6519	153	6685.00-.073.9886	154	6685.00-.073.9886	155	
0- 100	Back	1/4" NPT	White	156	6685.00-.747.9268	157	6685.00-.747.9268	158	6685.00-.264.1968	159	6685.00-.135.0672	160	
0- 100	Back	1/4" NPT	White	161	6685.00-.910.6949	162	6685.00-.910.6949	163	6685.00-.555.4197	164	6685.00-.555.4197	165	
0- 100	Bottom	1/4" NPT	White	166	6685.01-214.7780	167	6685.00-.580.9711	168	6685.00-.135.0672	169	6685.00-.135.0672	170	
0- 100	Bottom	1/4" NPT	White	171	6685.00-.580.9711	172	6685.00-.580.9711	173	6685.00-.135.0672	174	6685.00-.135.0672	175	
0- 100	Bottom	1/4" NPT	Black	176	6685.01-047.5099	177	6685.01-047.5099	178	6685.01-047.5099	179	6685.01-047.5099	180	
0- 100	Back	7/16" 20	White	181	6685.01-047.5100	182	6685.01-047.5100	183	6685.01-047.5100	184	6685.01-047.5100	185	
0- 100	Back	7/16" 20	Black	186	6685.01-047.5100	187	6685.01-047.5100	188	6685.01-047.5100	189	6685.01-047.5100	190	
0- 100	Bottom	7/16" 20	Black	191	6685.01-047.5100	192	6685.01-047.5100	193	6685.01-047.5100	194	6685.01-047.5100	195	
0- 100	Bottom	O-ring	White	196	6685.01-240.3148	197	6685.01-240.3148	198	6685.01-240.3148	199	6685.01-240.3148	200	
0- 100	Back	1/4" NPT	Black	201	6685.00-.016.2142	202	6685.00-.016.2142	203	6685.00-.016.2142	204	6685.00-.016.2142	205	
0- 100	Back	1/4" NPT	Black	206	6685.00-.905.4842	207	6685.00-.905.4842	208	6685.00-.905.4842	209	6685.00-.905.4842	210	
0- 100	Back	O ring	White	211	6685.01-245.5223	212	6685.01-245.5223	213	6685.01-245.5223	214	6685.01-245.5223	215	
0- 100	Bottom	O ring	White	216	6685.01-245.5225	217	6685.01-245.5225	218	6685.01-245.5225	219	6685.01-245.5225	220	
0- 200	Bottom	1/4" NPT	White	221	6685.00-.527.6214	222	6685.00-.527.6214	223	6685.00-.127.6200	224	6685.00-.965.5435	225	
0- 200	Back	1/4" NPT	White	226	6685.00-.527.6217	227	6685.00-.527.6217	228	6685.00-.127.6200	229	6685.00-.872.4745	230	
0- 200	Bottom	7/16" 20	White	231	6685.00-.591.1952	232	6685.00-.591.1952	233	6685.00-.591.1952	234	6685.00-.591.1952	235	
0- 200	Back	7/16" 20	White	236	6685.01-049.8060	237	6685.01-049.8060	238	6685.01-049.8060	239	6685.01-049.8060	240	6685.01-049.8060
0- 200	Back	7/16" 20	Black	241	6685.01-049.8061	242	6685.01-049.8061	243	6685.01-049.8061	244	6685.01-049.8061	245	
0- 200	Back	7/16" 20	White	246	6685.01-054.3712	247	6685.01-054.3712	248	6685.01-054.3712	249	6685.01-054.3712	250	
0- 200	Back	1/4" NPT	Black	251	6685.00-.257.4088	252	6685.00-.257.4088	253	6685.00-.257.4088	254	6685.00-.257.4088	255	
0- 200	Back	1/4" NPT	White	256	6685.01-244.1972	257	6685.01-244.1972	258	6685.01-244.1972	259	6685.01-244.1972	260	
0- 200	Back	1/4" NPT	White	261	6685.00-.725.1113	262	6685.00-.725.1113	263	6685.00-.725.1113	264	6685.00-.725.1113	265	
0- 200	Back	1/4" NPT	Black	266	6685.00-.071.0762	267	6685.00-.071.0762	268	6685.00-.071.0762	269	6685.00-.071.0762	270	
0- 200	Back	O ring	White	271	6685.01-240.1434	272	6685.01-240.1434	273	6685.01-240.1434	274	6685.01-240.1434	275	

Gauges
Simplex

Gauge pressure
2", 2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters -- Continued.

MIL-HDBK-801(SH)

Range press (psi)	Connection data location	Type	Dial color	Item No.	2" Dial	Item No.	2 1/2" Dial	Dial diameters and national stock numbers			Item No.	8 1/2" Dial
								Item No.	3 1/2" Dial	4 1/2" Dial		
0-200	Back	1/4" NPT	White	276		277		278	6685-00-073.9885	280		
0-200	Back	1/4" NPT	White	281		282		283	6685-00-542.1671	285		
0-200	Back	1/4" NPT	White	286		287		288	6685-00-721.4766	290		
0-200	Back	1/4" NPT	White	291		292		293	6685-01-240.1426	295		
0-200	Back	O-ring	White	296		297		298	6685-01-245.5224	300		
0-300	Back	1/4" NPT	White	301		302	6685-00-521.6211	303	6685-00-555.4198	304	6685-01-011.2808	305
0-300	Bottom	1/4" NPT	White	306		307	6685-00-405.492	308	6685-00-079.1414	309	6685-00-079.1414	310
0-300	Back	1/4" NPT	White	311		312	6685-00-436.4974	313	6685-00-857.4277	314	6685-00-857.4277	315
0-300	Bottom	1/4" NPT	White	316		317	6685-01-104.2427	318	6685-00-905.6343	319	6685-00-905.6343	320
0-300	Back	1/4" NPT	Black	321		322	6685-00-905.6343	323	6685-01-040.8072	324	6685-01-040.8072	325
0-300	Bottom	7/16" 20	White	326		327	6685-01-057.9165	328	6685-01-057.9165	329	6685-01-057.9165	330
0-300	Back	7/16" 20	Black	331		332	6685-01-062.4650	333	6685-01-062.4650	334	6685-01-062.4650	335
0-300	Back	7/16" 20	White	336		337	6685-01-074.2535	338	6685-01-074.2535	339	6685-01-074.2535	340
0-300	Back	O-ring	Black	341		342	6685-00-881-0736	343	6685-00-881-0736	344	6685-00-881-0736	345
0-300	Back	1/4" NPT	Black	346		347	6685-00-881-0736	348	6685-00-881-0736	349	6685-00-881-0736	350
0-400	Bottom	1/4" NPT	White	351		352	6685-00-090.2109	353	6685-00-090.2109	354	6685-00-090.2109	355
0-400	Bottom	1/4" NPT	White	355		357	6685-00-246.2157	358	6685-01-047.5102	359	6685-01-047.5102	360
0-400	Back	7/16" 20	White	361		362	6685-00-551.9010	363	6685-01-240.3747	364	6685-01-240.3747	365
0-400	Back	1/4" NPT	Black	366		367	6685-00-551.9010	368	6685-01-240.3747	369	6685-01-240.3747	370
0-400	Bottom	O-ring	White	371		372	6685-00-551.9010	373	6685-01-240.3747	374	6685-01-240.3747	375
0-400	Back	1/4" NPT	White	377		377	6685-00-551.9010	378	6685-01-240.3747	379	6685-01-240.3747	380
0-600	Bottom	O-ring	White	381		382	6685-01-049.6057	383	6685-01-049.6057	384	6685-01-049.6057	385
0-600	Back	7/16" 20	White	386		387	6685-01-054.3741	388	6685-01-054.3741	389	6685-01-054.3741	390
0-600	Back	1/4" NPT	Black	391		392	6685-00-306.4873	393	6685-00-306.4873	394	6685-00-306.4873	395
0-600	Back	7/16" 20	White	396		397	6685-00-728.1018	398	6685-00-728.1018	399	6685-00-728.1018	400

Gauges
Simplex

Gauge pressure

2", 2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters – Continued.

MIL-HDBK-801(SH)

Range press. (psi)	Connection data			Dial diameters and national stock numbers									
	Location	Type	Dial color	Item No.	2" Dial	Item No.	2 1/2" Dial	Item No.	3 1/2" Dial	Item No.	4 1/2" Dial	Item No.	8 1/2" Dial
0- 600	Bottom	7/16" -20	White	401	402	407	412	417	422	427	432	437	442
0- 600	Bottom	1/4" NPT	White	406	406	406	411	416	421	426	431	436	441
0- 600	Back	1/4" NPT	White	411			417			422			426
0- 600	Bottom	1/4" NPT	White	416			422			427			431
0- 600	Back	1/4" NPT	White	421			427			432			436
0- 600	Back	1/4" NPT	White	426			432			437			441
0- 600	Back	1/4" NPT	White	431			437			442			446
0- 600	Back	O ring	White	436			442			447			451
0- 600	Back	O ring	White	441			447			452			456
0- 600	Back	1/4" NPT	White	446			452			457			460
0- 800	Bottom	1/4" NPT	White	451			462			467			470
0- 800	Bottom	1/4" NPT	White	456			467			472			475
0- 800	Back	1/4" NPT	White	461			472			477			480
0- 800	Back	1/4" NPT	White	466			477			482			485
0- 1000	Bottom	1/4" NPT	Black	471			486			491			496
0- 1000	Back	1/4" NPT	Black	476			487			492			497
0- 1000	Bottom	7/16"-20	White	481			496			501			506
0- 1000	Back	1/4" NPT	Black	486			497			502			507
0- 1000	Back	1/4" NPT	White	491			506			511			516
0- 1000	Bottom	1/4" NPT	White	496			512			517			522
0- 1000	Back	1/4" NPT	White	501			517			522			527
0- 1000	Back	1/4" NPT	Black	506			521			527			532
0- 1000	Back	7/16"-20	White	511			531			537			540
0- 1000	Back	7/16"-20	Black	516			531			537			540
0- 1000	Back	1/4" NPT	White	521			531			537			540
0- 1000	Bottom	1/4" NPT	White	526			531			537			540
0- 1000	Back	O ring	White	531			537			543			546

Gauges
Simplex

Gauge pressure
2", 2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters – Continued.

MIL-HDBK-801(SH)

Range Press (psi)	Connection data	Dial color	Cleaning	Dial diameters and national stock numbers				Item No.	8 1/2" Dial	
				Item No.	2" Dial	Item No.	2 1/2" Dial	Item No.	3 1/2" Dial	Item No.
0-1500	Bottom Back	1/4" NPT 1/4" NPT	White Black	541 546	542 547	541 552	548 551	544 549	6685-00-469-8887 6685-00-016-1886	545 550
0-1500	Bottom Back	1/4" NPT 1/4" NPT	White White	551 556	552 557	551 558	554 559	555 565	6685-00-807-5876 6685-00-077-5865	555 565
0-1500	Bottom Back	1/4" NPT O-ring	White White	561 566	562 567	561 568	564 569	565 570	6685-00-078-1141 6685-00-542-1139	565 570
0-1500	Bottom Back	1/4" NPT 1/4" NPT	White White	571 571	572 572	571 573	574	575	6685-00-585-1236 6685-00-585-1236	575
0-2000	Back	1/4" NPT 7/16-20	Black White	576 581	577 582	578 581	579 584	579	6685-00-047-5120 6685-00-047-5108	580 585
0-2000	Bottom Back	1/4" NPT 1/4" NPT	White White	586 591	587 592	588 591	589 594	590	6685-00-501-3628 6685-00-510-4111	590 595
0-2000	Bottom Back	1/4" NPT 7/16-20	White Black	596 601	597 602	598 601	599 604	599	6685-01-047-5121 6685-01-047-5122	600 605
0-2000	Back	7/16-20	White	606	607	608	609	609	6685-01-067-1743	610
0-3000	Back	1/4" NPT 1/4" NPT	White White	611 616	612 617	613 618	614 619	614	6685-00-248-1691	615
0-3000	Back	1/4" NPT 7/16-20	White White	621 621	622 627	623 628	624 629	620	6685-00-881-0761	620
0-3000	Bottom Back	1/4" NPT 1/4" NPT	White White	626 631	632 637	631 637	632 638	625	6685-01-047-5125 6685-00-252-3037	625
0-3000	Bottom Back	1/4" NPT 7/16-20	Black White	636 641	642 647	639 641	640 644	630	6685-00-067-8881	635
0-3000	Bottom Back	7/16-20	White	646	647	648	649	645	6685-01-047-5124 6685-01-074-2536	640
0-3000	Back	7/16-20	White	651	652	651	654	655	6685-01-240-1437 6685-01-067-8881	655
0-3000	Back	O-ring	White	656	657	658	659	659	6685-01-240-1745	660
0-3000	Back	O-ring	White	661	662	661	664	664	6685-01-240-3746	665
0-3000	Bottom Back	1/4" NPT 7/16-20	Black White	665 671	667 672	669	674	670	6685-00-469-8893 6685-01-169-4345	670
0-3000	Bottom Back	7/16-20	White	671	673	673	674	675		

Gauges
Simplex

Gauge pressure

2", 2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters – Continued.

MIL-HDBK-801(SH)

Range press. (psi)	Connection data	Dial color	Item No.	Dial diameters and national stock numbers			
				2" Dial	2 1/2" Dial	3 1/2" Dial	4 1/2" Dial
0-5000	Back	1/4" NPT	White	676	6685-00 819 8824	678	6685-00 542 1140
0-5000	Bottom	1/4" NPT	White	681	682	683	6685-00 265 5438
0-5000	Bottom	1/4" NPT	White	686	687	689	6685-00 198 9473
0-5000	Back	7/16"-20	white	691	692	693	6685-01 1447 5104
0-5000	Bottom	7/16"-20	white	696	697	698	6685-01 1447 5110
0-5000	Back	7/16"-20	white	701	702	703	6685-01 1449 8069
0-5000	Bottom	7/16"-20	white	706	707	708	6685-01 1446 6734
0-5000	Back	7/16"-20	Black	711	712	713	714
0-5000	Back	O-ring	white	716	717	718	719
0-5000	Back	O-ring	white	721	722	723	724
0-5000	Back	7/16"-20	white	726	727	728	6685-00 123 1922
0-5000	Back	1/4" NPT	Black	731	732	733	734
0-5000	Back	1/4" NPT	White	736	737	738	6685-00 325 0426
0-5000	Back	1/4" NPT	White	741	742	743	735
0-8000	Back	7/16"-20	White	746	747	748	6685-01 1419 8067
0-8000	Bottom	7/16"-20	White	751	752	753	6685-01 046 6760
0-8000	Bottom	1/4" NPT	white	756	757	758	6685-00 123 1923
0-10000	Back	7/16"-20	White	761	762	763	6685-01 047 5113
0-10000	Back	1/4" NPT	Black	766	767	768	6685-00 881 0735

MIL-HDBK-801(SH)

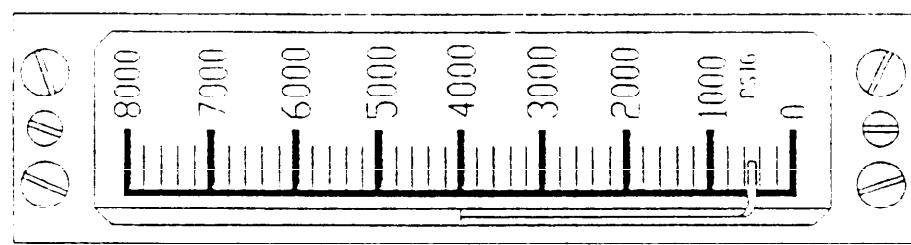


FIGURE 2. Simplex gauge pressure II Helical-wound edgeview mechanical pressure indicator (IHEMPI).

Gauges
Simplex
Gauge pressure
Helical-wound edgeview mechanical pressure indicators (HEMPI)

Range press. (PSI)	Connection Data			National Stock Numbers	
	Location	Type	Dial color	Clearing No.	Item No.
0- 60	Back	7/16"-20	Both	General	771
0- 100	Back	7/16"-20	Both	General	6685-01-273-6070
0- 300	Back	7/16"-20	Both	General	772
0- 600	Back	7/16"-20	Both	General	6685-01-273-6071
0-1000	Back	7/16"-20	Both	General	773
0-1500	Back	7/16"-20	Both	General	6685-01-273-6072
0-3000	Back	7/16"-20	Both	General	774
0-5000	Back	7/16"-20	Both	General	6685-01-273-6073
0-8000	Back	7/16"-20	Both	General	775
					6685-01-267-6444
					6685-01-267-6445
					6685-01-267-6446
					6685-01-267-6447
					6685-01-267-6448

MIL-HDBK-801(SH)

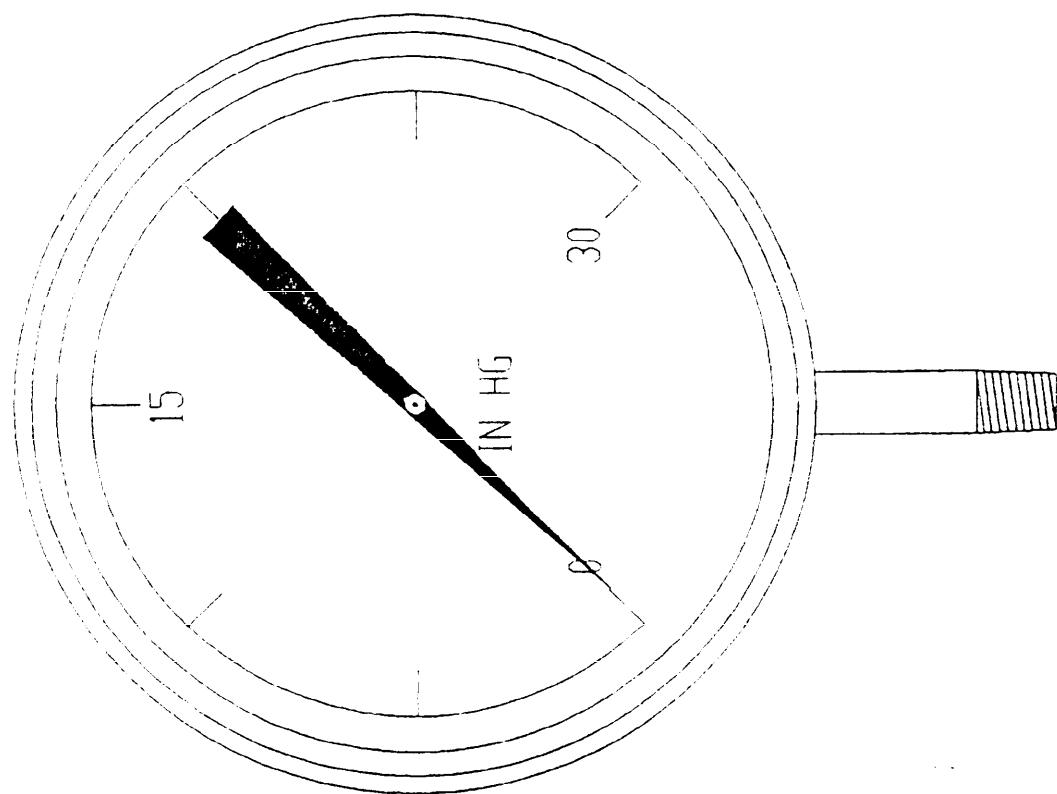


Figure 3. Simplex vacuum

MIL-HDBK-801(SH)

Gauges
Simplex
Vacuum
3 1/2", 4 1/2" and 8 1/2" dial diameters

Range vacuum (IN. Hg.)	Connection data		Dial color	Cleaning	Dial diameters and national stock numbers			
	Location	Type			Item No.	3 1/2" dial	4 1/2" dial	8 1/2" dial
0.30	Bottom	7/16"-20	White	General	780	6685-01-049 8076	781	6685-01-049-8074
0.30	Back	1/4" NPT	White	General	783		784	
0.39	Back	7/16"-20	White	General	786		787	6685-00-905-4006
0.30	Back	7/16"-20	White	General	789		790	6685-01-047-5138
								6685-01-047-5140
								791

MIL-HDBK-801(SH)

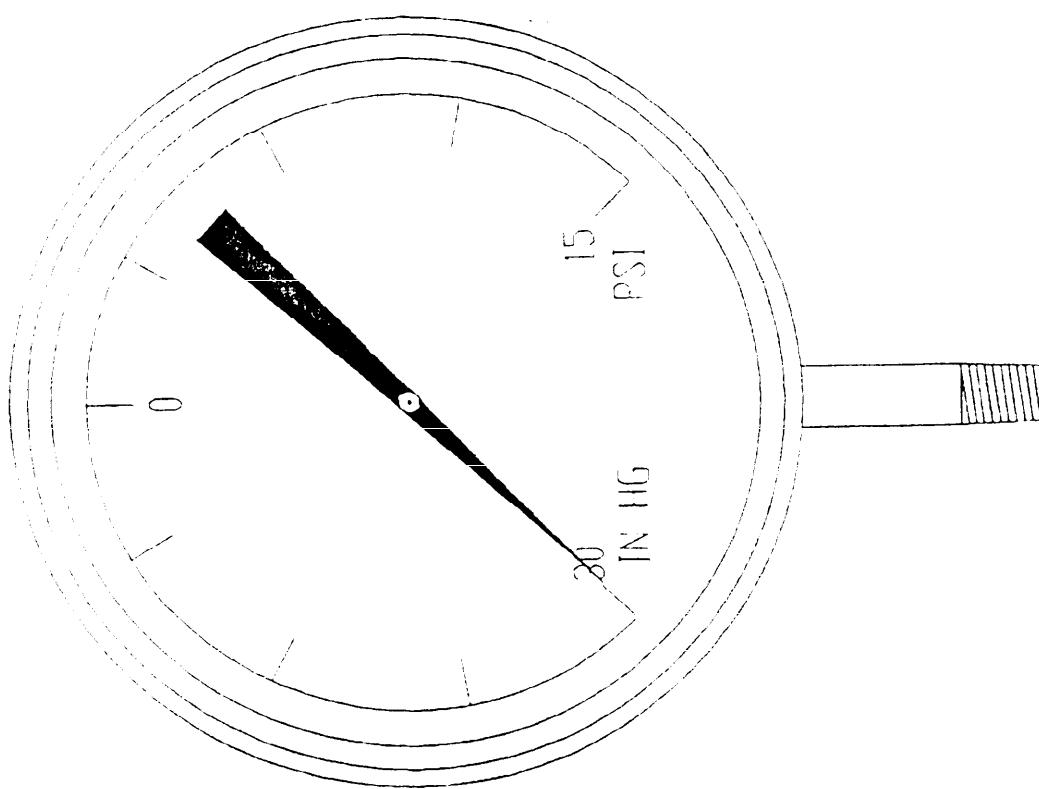


Figure 4. Simplex compound.

Gauges
Simplex
Compound

2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters

MIL-HDBK-801(SH)

Dial diameters and national stock numbers						
Range	Connection data			Item No.	3 1/2" Dial	Item No.
Vacuum (IN HG)	Press. (PSI)	Location	Type	Dial color	Item No.	2 1/2" Dial
.30	0- 15	Back	1/4" NPT	White	702	703
.30	0- 15	Back	1/4" NPT	White	706	707
.30	0- 15	Back	1/4" NPT	White	800	801
.30	0- 15	Back	O-ring	White	804	805
.30	0- 15	Back	O-ring	White	808	809
.30	0- 30	Back	7/16"-20	White	812	813
.30	0- 30	Bottom	7/16"-20	white	816	6685-01-046-6741
.30	0- 30	Back	1/4" NPT	White	820	817
.30	0- 30	Back	1/4" NPT	White	824	6685-01-046-6742
.30	0- 30	Back	7/16"-20	White	828	825
.30	0- 30	Back	7/16"-20	White	832	826
.30	0- 60	Back	O-ring	White	836	6685-00-974-6599
.30	0- 100	Back	O-ring	White	840	837
.30	0- 100	Back	7/16"-20	White	844	6685-00-121-1926
.30	0- 100	Bottom	1/4" NPT	White	848	842
.30	0- 150	Back	7/16"-20	White	852	846
.30	0- 150	Back	O-ring	White	856	6685-00-946-4903
.30	0- 150	Back	7/16"-20	Black	860	850
.30	0- 150	Bottom	O-ring	White	864	6685-00-725-1346
.30	0- 150	Back	1/4" NPT	White	868	854
.30	0- 200	Back	1/4" NPT	White	872	858
.30	0- 200	Back	1/4" NPT	White	876	6685-00-079-9588
.30	0- 200	Back	7/16"-20	White	880	862
.30	0- 200	Back	7/16"-20	White	884	6685-01-047-5081
					866	863
					870	6685-01-047-5082
					874	6685-01-240-3749
						875
					878	819
					882	883
					886	6685-01-047-5083
					890	887
					894	
					898	

Gauges
Simplex
Compound

2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters – Continued.

MIL-HDBK-801(SH)

Range	Connection data			Dial color	Cleaning	Item No.	Dial diameters and national stock numbers				
	Vacuum (IN HG)	Press. (PSI)	Location				2 1/2" Dial	Item No.	3 1/2" Dial	Item No.	4 1/2" Dial
.30	0-300	Back	1/4" NPT	Black	General	888	6685 00 1527-6162	890	6685 00 1527-6162	890	6685 01-047-51089
.30	0-300	Back	7/16"-20	White	General	892	6685 01 046-6746	894	6685 01 046-6746	894	6685 01-047-51084
.30	0-300	Bottom	7/16"-20	White	General	896	6685 01 046-6747	898	6685 01 046-6747	898	6685 01-252-51017
.30	0-300	Bottom	1/4" NPT	White	General	900	6685 01 046-6747	902	6685 01 046-6747	902	6685 01-252-51017
.30	0-400	Front	1/4" NPT	Black	General	904	6685 00 1527-6299	906	6685 00 1527-6299	906	6685 00 1527-6299
.30	0-600	Bottom	7/16"-20	White	General	908	6685 01 046-6748	910	6685 01 046-6748	910	6685 01-047-51085
.30	0-600	Back	7/16"-20	White	General	912	6685 01 046-6748	914	6685 01 046-6748	914	6685 01-047-51085
.30	0-1000	Back	7/16"-20	White	General	916	6685 01 046-6748	918	6685 01 046-6748	918	6685 01-047-51086

MIL-HDBK-801(SH)

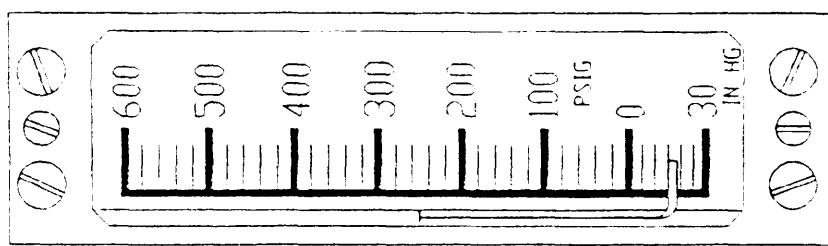


Figure 5. Simplex compound helical-wound edgeview mechanical pressure indicator (HEMPI).

MIL-HDBK-801(SH)

Gauges
 Simplex
 Compound
 Helical-wound edgeview mechanical pressure indicators (HEMPI)

Range	Connection data			Dial Color	Cleaning	National stock numbers	
	Vacuum (IN HG)	Press. (PSI)	Location			Item No.	
.30	0-600	Back	7/16"-20	Both	General	920	6685-01-267-6443

MIL-HDBK-801(SH)

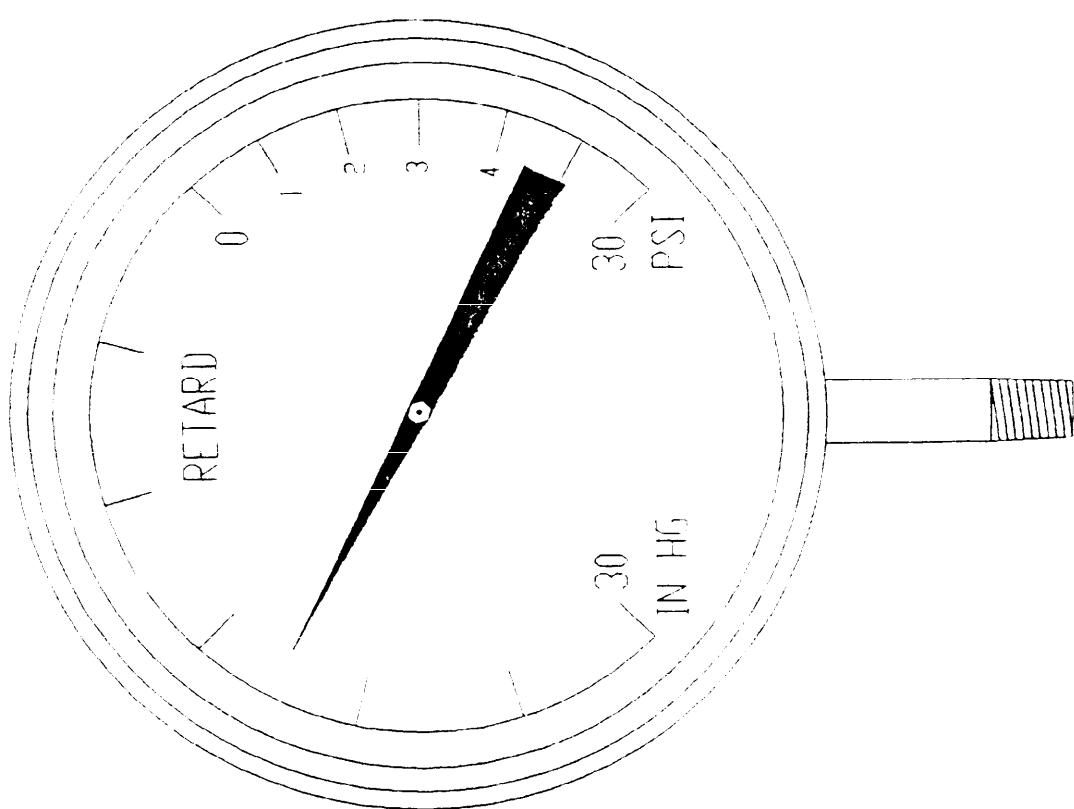


Figure 6. Simplex retarded, compound.

MIL-HDBK-801(SH)

Gauges
Simplex
Retarded, Compound
2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters

Range	Connection data				Dial diameters and national stock numbers								
	Vacuum (IN HG)	Press. (PSI)	Location	Type	Dial color	Item No.	2 1/2" Dial	Item No.	3 1/2" Dial	Item No.	4 1/2" Dial	Item No.	8 1/2" Dial
30	0-30	Bottom	7116-20	White	General	921		922		923	6685-01-049-8050	924	
30	0-150	Breck	O-ring	White	General	925		926		927	6685-01-240-1432	928	

MIL-HDBK-801(SH)

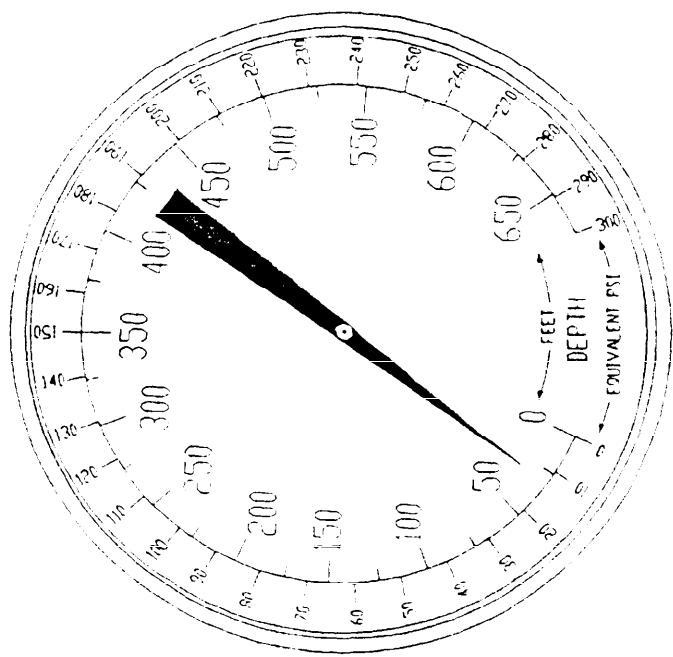


Figure 7. Simplex - Caisson gauge pressure.

MIL-HDBK-801(SH)

Gauges
 Simplex – Caisson
 Gauge pressure
 3 1/2", 4 1/2" and 8 1/2" dial diameters

Range press (psi)	Connection data			Item No.	Dial diameters and national stock numbers		
	Depth (ft)	Location	Type		1 1/2" dial	4 1/2" dial	8 1/2" dial
0-300 0-300	675 675	5 O'clock 5 O'clock	Vent Vent	White White	General General	929 912	930 931 6685-01-08-7347 6685-01-122-5983 931 934

MIL-HDBK-801(SH)

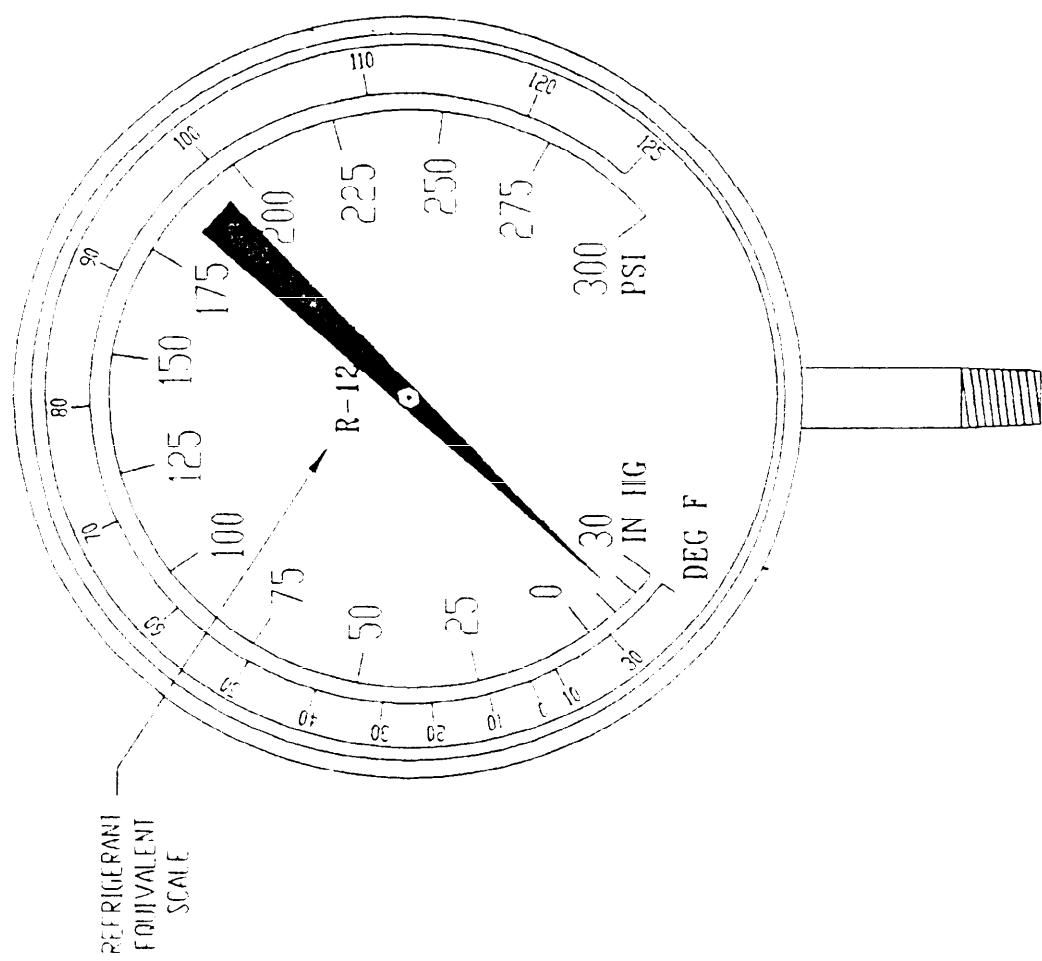


FIGURE 8. Simpler - Refrigerant compound.

Gauges
 Simplex – Refrigerant
 Compound
 2 1/2", 3 1/2", 4 1/2" and 8 1/2" dial diameters

MIL-HDBK-801(SH)

Range	Connection data				Dial diameters and national stock numbers							
	Vacuum (IN HG)	Press. (PSI)	Location	Type	Dial color	Cleaning	Item No.	3 1/2" Dial	Item No.	4 1/2" Dial	Item No.	8 1/2" Dial
30	0-15	Back	O-ring	Black	General	935			937		918	6685-00-8166-8987
30	0-100	Back	O-ring	White	General	939		6685-00-1132-1175	941		942	

MIL-HDBK-801(SH)

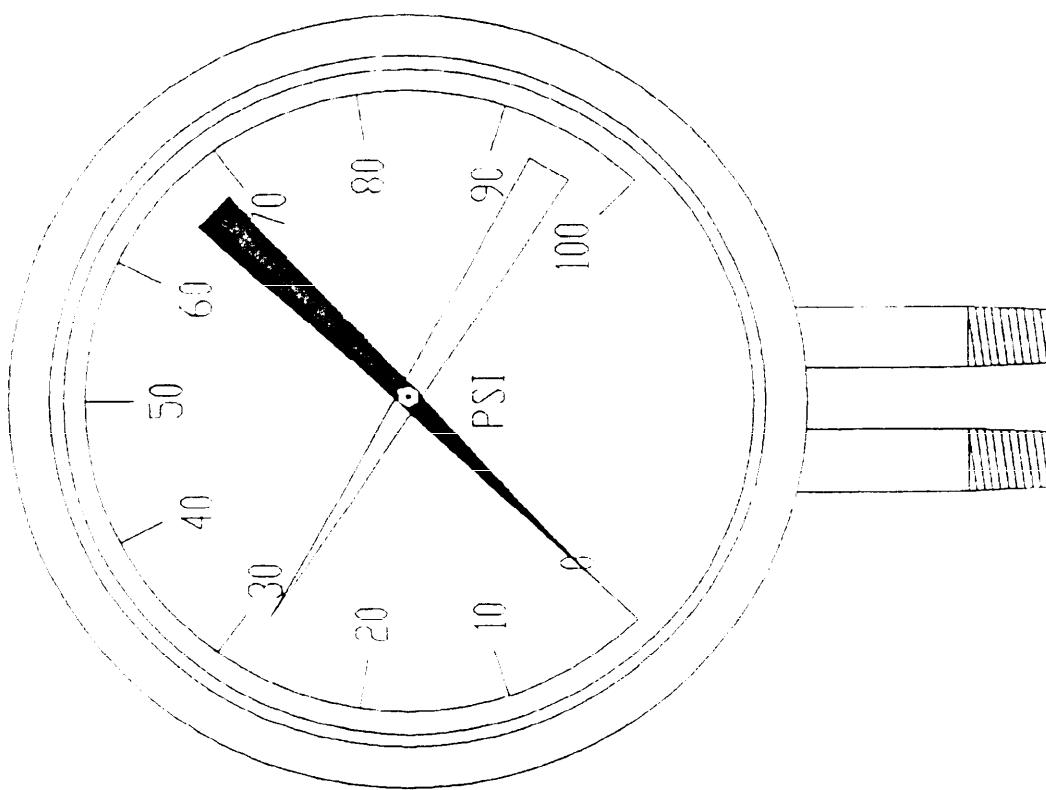


FIGURE 9. Duplex gauge pressure.

Gauges
Duplex

Gauge pressure

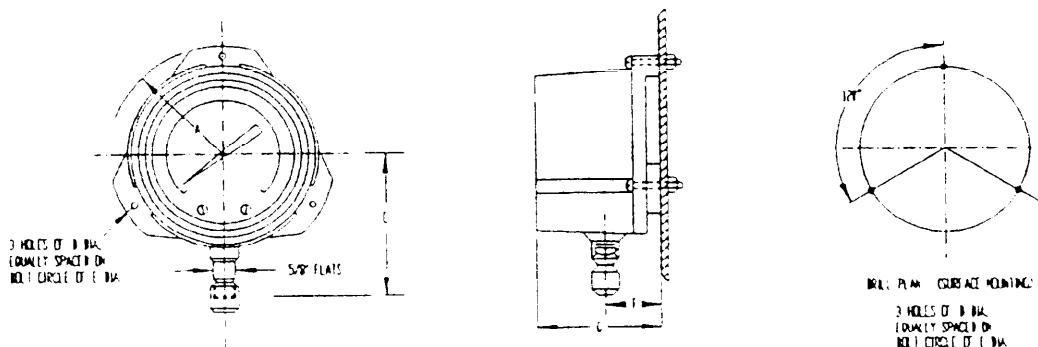
3 1/2", 4 1/2" and 8 1/2" dial diameters

MIL-HDBK-801(SH)

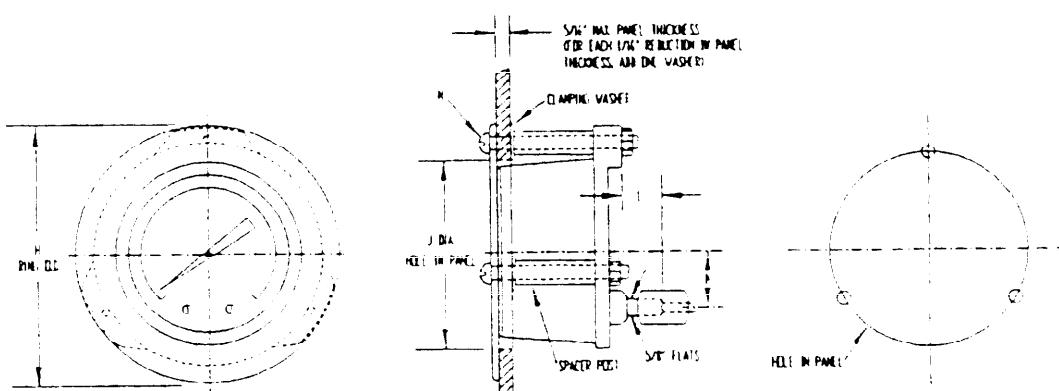
Range press (psi)	Location	Connection data			Dial diameters and national stock numbers			
		Type	Dial color	Cleaning	Item No.	4 1/2" dial	Item No.	8 1/2" dial
0 - 10	Back	1/4" NPT	Black	General	943	6685.00-.510.0357	945	
0 - 60	Bottom	1/4" NPT	White	General	946	6685.00-.974.6516	948	
0 - 100	Bottom	7/16"-20	White	General	949	6685.01-.047.5110	951	
0 - 100	Bottom	1/4" NPT	White	General	952	6685.00-.246.2360	954	
0 - 200	Bottom	O-ring	White	General	955	6685.01-.240.3750	957	
0 - 200	Back	1/4" NPT	Black	General	958	6685.00-.526.8702	959	
0 - 200	Back	1/4" NPT	White	General	961	6685.00-.342.1136	963	
0 - 100	Back	O-ring	White	General	964	6685.00-.086.9321	966	
0 - 400	Back	1/4" NPT	White	General	967	6685.00-.585.4419	969	
0 - 800	Bottom	1/4" NPT	White	General	970	6685.00-.135.0674	972	
0 - 800	Back	7/16"-20	White	General	973	6685.01-.047.5136	975	
0 - 1000	Bottom	1/4" NPT	White	General	976	6685.00-.252.0555	978	

MIL-HDBK-801(SH)
GAUGES
MOUNTING DIMENSIONS
3 1/2", 4 1/2", AND 8 1/2" DIAL DIAMETERS

BOTTOM CONNECTED GAUGE, SURFACE MOUNTED



BACK CONNECTED GAUGE, PANEL MOUNTED (USING FLUSH MOUNTING RING)



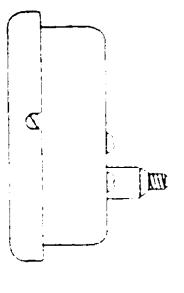
DIMENSIONS (INCHES)

Gauge Size	A	C	B	I	J	L	K	J	L	K	SET FLAT POS. LENGTH	SPACER POS. LENGTH
3 1/2	2 5/16	3 23/32	7/32	4 1/16	1/8	2 1/2	4 3/4	4 13/32	1 1/16	1 9/64	10 21 1/2	1 19/32
4 1/2	2 7/8	3 23/32	7/32	5 3/8	1/8	2 1/2	6	5 19/32	1 1/16	1 9/64	10 21 1/2	1 19/32
8 1/2	5 1/4	9/32	9 5/8	2 1/2	11 13/32	4 29/32	1 1/16	1 9/64	12 21 1/2	1 3/4

FIGURE 10. Gauges mounting dimensions 3 1/2", 4 1/2", and 8 1/2" dial diameters.

MIL-HDBK-801(SH)

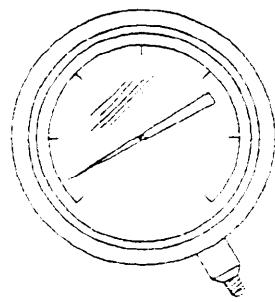
GAUGES CONNECTION LOCATIONS



BACK



BOTTOM



5 O'CLOCK

FIGURE 11. *Gauges connection locations.*

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