

Sulfur Hexafluoride SF6 / Specialty & Common Calibration Gas - Data

Sulfur Hexafluoride

DESCRIPTION: A colorless, odorless, liquefied gas

Purity: 99.8%

VALVE: CGA-590 L.H.

ASTM D2472-00 (old MIL-BB-S-1419)

CYLINDER COLORS: shoulder/body; "GRAY"

bands: (1) "WHITE (1) "BLACK

NOTE: Empty cylinder weight = 114 lb, contents weight = *100 lb; total weight = 214 lb

SHIPPING DATA

SHIPPING NAME: Sulfur Hexafluoride

DOT Label: Nonflammable Gas

ID NO: UN1080 DOT Class: 2.2

Flammability Limits: Nonflammable

CAS Registry: 2552-62-4

Specific Volume: 2.5 cf / lb

Molecular Weight: 146.05

USES: As a dielectric fluid or in electronic equipment

EMERGENCY RESPONSE: See EMERGENCY RESPONSE GUIDE #126

SF6 REGULATOR



#HPD-3-30-590
\$365.00 EA

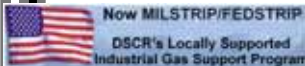
2-30 PSI Outlet – (1/4" Female NPT)
3000 PSI Maximum Inlet – (CGA-590)
Stainless Diaphragm

Gas & Cylinder Cross Reference Numbers / Prices

Cyl. style	GAS Number		Gas fill Price Ea.	CYLINDER (empty)			Rated psi
	NSN's	^{1/1} Stoody Part No.		NSN's	Stoody Part No.	Price ea.	
220	6830009857283	Now MILSTRIP/FEDSTRIP (see below for ordering information) DSCR's Locally Supported Industrial Gas Support Program	8120001394441	Now MILSTRIP/FEDSTRIP (see below for ordering information) DSCR's Locally Supported Industrial Gas Support Program		2015	
220		EXSH612-100	\$1,995.00	CSH612-C220	\$265.00	VARIES	

^{1/1}The refill price on gas cylinder exchange part numbers beginning with an "EX" includes basic cylinder maintenance services

Stoody Industrial & Welding Supply, Inc. has teamed with Haas Group International (HGI) to locally support this item under HGI/ Defense Logistics Agency - Aviation (DLAA) contract #SPM4AR-07-D-0100. Once your order has been placed Stoody Industrial & Welding Supply, Inc will arrange delivery of full cylinder(s), and pick-up of qualified empty cylinder(s) within 2 – 5 days and typically no later than 12 days (according to the Issue Priority Group [IPG] you select).



Non-MILSTRIP/FEDSTRIP items may be ordered directly from Stoody Industrial & Welding Supply, Inc.



To order your MILSTRIP/FEDSTRIP items, you may use these methods:

- (1) Service/Government agency automated ordering systems using MILSTRIP/FEDSTRIP (Standard Form 344) – (this is the preferred method)
- (2) Email your MILSTRIP/FEDSTRIP order to DLA's Customer Interaction Center at: DLACustomerCenter@dla.mil
- (3) Call your MILSTRIP/FEDSTRIP order in to DESX, which uses voice recognition, at 1-877-DLA-CALL
- (4) Online shopping using a Government credit card through the DoD E-Mail at: <https://dod-email.dla.mil> call 1-877-352-2255 DSN 661-7766

For MILSTRIP/FEDSTRIP item program questions, call 1-866-724-0932

To speak with a DLA Customer Interaction Center representative, call 1-877-DLA-CALL



HIGH PURITY AND SPECIALITY GAS & EQUIPMENT (Call For Information)

It has been said "That to understand element purity of gases, you must learn to speak German. You see, purity is measured in *Nines*. The more *Nines* the higher the purity." As a rule of thumb two to three nines are for Industrial Grade, four nines is for High Purity, five nines is for Ultra-High Purity, six nines or higher is by application. Remember the gas cannot be dispensed any purer than the container it is stored in, or the lines it's distributed in. Call us for all of your High Purity, Blended, Calibration, EPA Protocol & other Specialty Gas, along with Gas Storage & Distribution Equipment. Please verify the purity, any required impurity or moisture limits (in percentage, ppm/ppb or dew point), container size & type, possible blend percentages, tolerances (+ or -%).

Gas Purity Conversion Table

Purity	Impurities
99.9999%	= 1 ppm
99.999%	= 10 ppm
99.99%	= 100 ppm
99.9%	= 1,000 ppm
99%	= 10,000 ppm

Is Single or Two Stage better when choosing a regulator?

The difference is in the output. A Single Stage Regulator tends to raise slightly in outlet pressure (as the high pressure cylinder, that it is connected to, empties). A Two Stage Regulator tends to hold a steady outlet pressure (as the cylinder empties). So unless you run through a complete cylinder, at one sitting, or if your equipment requires a constant pressure (from cylinder start to finish), buy a Single Stage Regulator, it is a much better value.

Acetylene	Carbon Dioxide	Ethylene	Helium	Methyl Fluoride	Propane
Air	Carbon Monoxide	Ethylene Oxide	Hydrogen	Methyl Mercaptan	Propylene
Ammonia	Carbonyl Fluoride	Fluorine	Hydrogen Bromide	Monomethylamine	Silane
Arsine	Chlorine	Halocarbon 11	Hydrogen Chloride	Neon	Silicon Tetrafluoride
Argon	Deuterium	Halocarbon 12	Hydrogen Fluoride	Nitric Oxide	Sulfur Dioxide
Boron Trichloride	Dichlorosilane	Halocarbon 13	Hydrogen Iodide	Nitrogen	Sulfur Hexafluoride
Boron Trifluoride	Dimethylamine	Halocarbon 13 B1	Hydrogen Selenide	Nitrogen Dioxide	Sulfur Tetrafluoride
1,3-Butadiene	Dimethyl Ether	Halocarbon 14	Hydrogen Sulfide	Nitrogen Trifluoride	Tungsten
n-Butane	2,2-Dimethylpropane	Halocarbon 22	Isobutane	Nitrous Oxide	Hexafluoride
1-Butene	Disilane	Halocarbon 23	Isobutylene	Oxygen	Vinyl Bromide
cis-2-Butene	EPA Protocol	Halocarbon 114	Krypton Methane	Perfluoropropane	Vinyl Ether
trans-2-Butene	Ethane	Halocarbon 116	Methyl Bromide	Phosgene	Xenon
Calibration	Ethyl Chloride	Halocarbon 500	Methyl Chloride	Phosphine	

COMMON CALIBRATION GAS IN DISPOSABLE CYLINDERS (also see MSA Calibration Gas pages)

Disposal Is Included - You may return one empty cylinder (for disposal) for each cylinder purchased of the same type

Part No.	Price ea	Cyl. Size	Description - Contents (Calibration Mix)
17-CAL1	\$92.86	17 Liter	20% LEL Methane In Air
17-CAL2	\$92.86	17 Liter	100 ppm Isobutylene In Air
17-CAL3	\$92.86	17 Liter	50 ppm Carbon Monoxide In Nitrogen
17-CAL4	\$92.86	17 Liter	200 ppm Carbon Monoxide In Nitrogen
58-CAL1	\$464.25	58 Liter	10 ppm Hydrogen Sulfide / Balance Nitrogen
58-CAL2	\$564.25	58 Liter	40 ppm Hydrogen Sulfide / Balance Nitrogen
58-CAL3	\$650.00	58 Liter	50 ppm Carbon Monoxide / 25 ppm Hydrogen Sulfide / 1% Propane / Balance Air
58-CAL4	\$650.00	58 Liter	50 ppm Carbon Monoxide / 25 ppm Hydrogen Sulfide / 50% LEL Methane / 18% Oxygen / Balance Nitrogen
58-CAL5	\$650.00	58 Liter	50 ppm Carbon Monoxide / 25 ppm Hydrogen Sulfide / 50% LEL Methane / 20.9% Oxygen / Balance Nitrogen

For more information on this Program see the Military Bottled Gas Ordering Guide