

## Helium He - Data

### Helium, Oil Free MIL-BB-H-1168D

DESCRIPTION: A colorless, odorless, tasteless, inert gas

Purity: **Grade A:** 99.995% (CGA GRADE H)

**Grade B:** 97.5% Not stocked - call for large quantity pricing (use Grade "A" for non-truckload quantities)

**RG (Research Grade):** 99.9999%

**PRF (MIL-PRF-27407D) Grade B:** 99.997%

**UHP (Ultra High Purity):** 99.999% (CGA G-9.1 GRADE P)

VALVE: CGA-580 RH Thd (BELOW 3000 psi)

CGA-680 RH Thd (3000 TO 5500 psi)

CGA -677 LH Thd (5501 TO 7500 psi)



CYLINDER COLORS: shoulder & cap; "BUFF"

body; "GRAY"

See Helium Accessories page for balloon filling supplies and capacities.

#### SHIPPING DATA

SHIPPING NAME: Helium, Compressed

ID NO: UN1046 DOT Class: 2.2

CAS Registry: 7440-59-7

DOT Label: Nonflammable Gas

Flammability Limits: Nonflammable

Molecular Weight: 4.003

Specific Volume: 96.7 cf / lb

USES: MIL-BB-H-1168D

(Grade A) Shielding gas for

welding processes

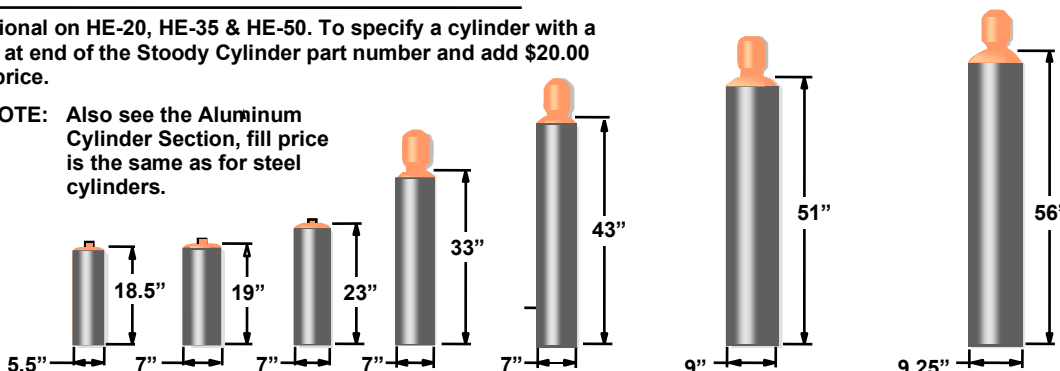
(Grade B) For balloons and

lighter-than-air crafts

#### EMERGENCY RESPONSE: See EMERGENCY RESPONSE GUIDE #121

3/ Collar/cap set is optional on HE-20, HE-35 & HE-50. To specify a cylinder with a cap; add the letter "C" at end of the Stoody Cylinder part number and add \$20.00 to the empty cylinder price.

NOTE: Also see the Aluminum Cylinder Section, fill price is the same as for steel cylinders.



Steel

Cylinder Styles

20 3/ 40 3/ 50 3/ 80 110 125 200 220 250 300 3500 call

Tare (empty) weight 10 lb. 23 lb. 30 lb. 40 lb. 55 lb. 55 lb. 105 lb. 114 lb. 115 lb. 135 lb. 180 lb. 270 lb.

#### Grade A. Cross Ref. Numbers / Prices

Cyl. style	GAS No.		Gas fill Price Ea.	CYLINDER (empty cyl.)			RANGE cf /	
	NSN's	<sup>1/</sup> Stoody Part No.		NSN's	<sup>1/</sup> Stoody Part	Price ea.	Psi <sup>2</sup>	
20 (24)	Refill Only	HE-20CF	CALL	-	CHE-20	\$99.99	15 - 20	ABC
40	Refill Only	HE-40CF	CALL	-	CHE-35	\$122.22	35 - 40	AB
50	Refill Only	HE-50CF	CALL	-	CHE-50	\$165.00	41 - 50	BC
60	Refill Only	HE-60CF	CALL	-	ACHE-50	See Page 71	51 - 60	1800/2015
80	Refill Only	HE-80CF	CALL	-	CHE-80	\$299.90	60 - 99	2015
110	Refill Only	HE-105CF	CALL	-	CHE-110	\$305.00	90 - 108	2015
125	Refill Only	HE-115CF	CALL	-	CHE-125	\$333.00	109 - 120	2265
200	Refill Only	HE-160CF	CALL	-	CHE-C197	\$342.70	160 - 197	1800
	<sup>1/</sup> Refill w/Services	EXHE-160CF	CALL					
220	Refill Only	HE-200CF	CALL	8120002446981	CHE-C220	\$349.99	198 - 219	2015
	6830007822656 <sup>1/</sup> Refill w/Services	EXHE-200CF	CALL					
250	Refill Only	HE-220CF	CALL	-	CHE-250	\$355.00	220 - 240	2265
	<sup>1/</sup> Refill w/Services	EXHE-220CF	CALL					
300	Refill Only	HE-300CF	CALL	-	CHE-300	\$442.22	260 - 291	2400
3500	Refill Only	HE-3500CF	CALL	-	CHE-3500	\$772.22	292 - 399	3500/3600
220 PRF	<sup>1/</sup> Refill w/Services	EXHE-200PRF	CALL	-	CHE-200RG	\$485.00	198 - 219	2015
220 RG	Refill Only	HE-200RG	CALL					
220 UHP	Refill Only	HE-220UHP	CALL	-	CHE-C250U	\$495.00	220 - 240	2265
	<sup>1/</sup> Refill w/Services	EXHE-220UHP	CALL					

<sup>1/</sup>The refill price on gas cylinder exchange part numbers beginning with an "EX" includes basic cylinder maintenance services as needed

Color coded rows identify the most commonly ordered MIL-SPEC gas refills & cylinders

<sup>2/</sup>In psi column: A = 1800 psi; B = 2015 psi; C = 2265 psi; D = 2400 psi; E = 3500/3600 psi