

**Form APR-404-00-F, Rev. I**

**Cryogen Order**

**Document Owner: Administration**

**Official Release Date: February 10, 2021**

**Approvals**



1. **PURPOSE**

The purpose of this form is to allow Science Groups to place orders for cryogens, gases, and liquid helium for delivery to CSBF in Ft. Sumner, New Mexico or Palestine, Texas.

1. **EQUIPMENT REQUIREMENTS**

N/A

1. **REFERENCES**

AA-502-00-P Payload Support Process

1. **QUALITY RECORDS**

Quality records are controlled in accordance with AS-2015-7.5-P, *Control of Configuration, Documents, and Records.* The specific file location for this completed document is shown below. Unless otherwise noted, the retention time will be 3 years after delivery of all items and/or completion of all services called for by the contract.

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| **RECORD** |
| **DOCUMENT NUMBER** | **DOCUMENT TITLE** | **FILE LOCATION** |
| APR-404-00-F | Cryogen Order Form | Individual Purchase Order file retained by Purchasing Department |

**REVISION CONTROL**

|  |  |  |
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| **REVISION** | **EFFECTIVE DATE** | **DESCRIPTION OF CHANGE** |
| I | 02/10/2021 | Updated to current formatting standards; changed email address; changed phone/fax numbers |

1. **FORM**

Form begins on the following page.

SBF Science Group Gas and Cryogen Order Form

(Ft. Sumner, NM and Palestine, TX Flights ONLY)

To order cryogens, gases, and liquid helium for delivery to CSBF in Ft. Sumner, New Mexico or Palestine, Texas, complete this form and e-mail to WFF-DL-CSBF-Cryogens@mail.nasa.gov or fax to 903‑723-8068, Attn: Cryogens. If faxing, please call 903‑723-8042 to verify the order was received.

***Important:*** See the *CSBF Science Group Gas/Cryogen Instructions* ([www.csbf.nasa.gov/gas.pdf](http://www.csbf.nasa.gov/gas.pdf)) for details about ordering and delivery schedules.

# Customer Information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Payload Name: |       | Contact Name: |       | Phone: |       |
| Univ./Org. Name: |       | Contact E-mail: |       |
| Date: |       | Alternate Name: |       | Phone: |       |
| Delivery Location: | [ ]  Ft. Sumner, NM [ ]  Palestine, TX | Alternate E-mail: |       |

# Gas/Cryogen

| **Qty for 1st Delivery** | **Cylinder Size** | **Type** | **Specifications** | **Date 1st Delivery Required** | **Replenishment Rate** | **Notes** |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | **Qty** | **Frequency** |  |
|      | LS160 NI160LLP  | Liquid Nitrogen | Low pressure (22 PSI), 160L |       |       |  |       |
|      | LS160NI160LMP  | Liquid Nitrogen | Medium pressure (230 PSI), 160L |       |      |  |       |
|      | LS160 NI160LHP | Liquid Nitrogen | High pressure (350 PSI), 160L |       |      |  |       |
|      | LS160AR160LMP | Liquid ARGON | Medium pressure (230 PSI), 160L |       |      |  |       |
|      | K Bottle | Dry Nitrogen | Standard Industrial Grade |       |      |  |       |
|      | K BottleSGUHPNI230 | Dry Nitrogen | 99.999% UHPGrade 5 / 255 Ft3 |       |      |  |       |
|      | T BottleSGUHPNI300 | Dry Nitrogen | 99.999% UHPGrade 5 / 300 Ft3 |       |      |  |       |
|      | K Bottle | Dry Helium | Standard Industrial Grade |       |      |  |       |
|      | K BottleHE250 | Dry Helium | 99.995% UHPGrade 4.5 / 244 Ft3 |       |      |  |       |
|      | K BottleSGUHPHE244 | Dry Helium | 99.999% UHPGrade 5 / 244 Ft3 |       |      |  |       |
|      | T BottleSGUHPHE291 | Dry Helium | 99.999% UHPGrade 5 / 291 Ft3 |       |      |  |       |
|      | SGRAR225M(K bottle) | ARGON Gas | 99.9999% Res. Grade 6 / 280 Ft3 |       |      |  |       |
|      | SGUHPAR336(T bottle) | ARGON Gas | 99.999% UHPGrade 5 / 331 Ft3 |       |      |  |       |
|      | SGICO2560M(K bottle) | Carbon Dioxide  | 99.99%, Coleman Instru. Grade / 60 lb |       |      |  |       |
|      | K BottleCA200  | Dry Air  | H2O < 6ppm,225 Ft3 |       |      |  |       |
|      | K BottleSG2CA238  | Extra Dry Pre-Purified Air | H2O < 1ppm,225 Ft3 |       |      |  |       |
|      | Liquid Heater | Liquid Nitrogen cylinders | Air vaporizer withhose and connector |       |      |  | Indicate size requirement:      |

# Liquid Helium (Linde LLC)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Qty for 1st Delivery** | **Cylinder Size** | **Specifications** | **Date 1st Delivery Required** | **Replenishment Rate** | **Notes** |
|  |  |  |  | **Qty** | **Frequency** |  |
|      | 100L Dewar | MIL-PRF-27407D |       |      |  |       |
|      | 500L Dewar | MIL-PTF-27407D |       |      |  |       |

# Comments

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| Enter 140 characters or less. |

***It is the responsibility of each science group to check all containers for correct volume and weight upon receipt.***