

## Boron Trifluoride (BF<sub>3</sub>)

A colorless, highly toxic and corrosive, nonflammable gas with a strong, suffocating odor. Fumes strongly in moist air.

| Product Specifications | Minimum Purity |
|------------------------|----------------|
| Chemically Pure (CP)   | 99.9%          |

| PRODUCT              | Ordering Information                               |              |                             |                |                                  | Equipment Recommendations   |  |  |
|----------------------|--|--------------|-----------------------------|----------------|----------------------------------|---|--|--|
|                      | Cylinder Size                                      | Contents lbs | Standard Valve Outlet (CGA) | Product Number | Cylinder Pressure at 70°F (psig) | Description Product Number  | Delivery Pressure Range (psig)                                   | Page Number  |
| Chemically Pure (CP) | 200  | 50           | 330                         | BF CP200       | 800                              | <b>Two-Stage Regulator</b><br>Y12-E444A330<br>Y12-E444B330<br>Y12-E444D330  | 0-30<br>0-60<br>0-100  | E29<br>E29<br>E29                                    |
|                      | 35   | 6            | 330                         | BF CP35        | 800                              |   |  |  |
|                      | Certificate of Conformance available upon request. |              |                             |                |                                  | <b>Single-Stage Regulator</b><br>Y11-E444A330<br>Y11-E444B330<br>Y11-E444C330<br>Y11-E444D330<br>Y11-E464A330<br>Y11-E464B330<br>Y11-E464C330<br>Y11-E464E330 | 0-30<br>0-60<br>0-100<br>0-150<br>0-30<br>0-50<br>0-100<br>0-150 | E29<br>E29<br>E29<br>E29<br>E29<br>E29<br>E29<br>E29 |
|                      |  |              |                             |                |                                  | <b>Cross Purge</b><br>Y99-CPA4330   |  | E50  |

| Technical Data & Shipping Information |                               |
|---------------------------------------|-------------------------------|
| Molecular Weight                      | 67.806                        |
| Specific Volume                       | 5.70 cf/lb @70° F & 1 ATM     |
| Flammability Limits in Air            | Nonflammable                  |
| U.S. DOT Name                         | Boron Trifluoride, Compressed |
| ID Number                             | UN 1008                       |
| U.S. DOT Hazard Class                 | 2.3                           |
| U.S. DOT Label                        | Inhalation Hazard, Poison Gas |
| CAS Registry                          | 7637-07-2                     |

### Airgas Quality Policy

The purpose of the Airgas Quality System is to continually improve our manufacturing and related processes to provide our customers with the highest product purity, consistency, and service.