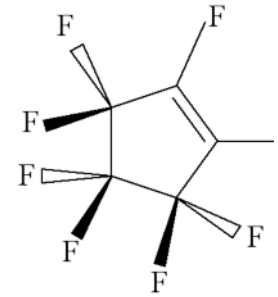


# Halocarbon 4110 (Octafluorocyclopentene)



| Grade                 | ULSI 4N   |
|-----------------------|-----------|
| Purity, %             | 99.99     |
| Oxygen                | ≤20 ppmv  |
| Nitrogen              | ≤100 ppmv |
| Water                 | ≤10 ppmw  |
| Hexafluorocyclobutene | ≤50 ppmw  |



- A lot analysis is provided for each order. – Individual analysis is also available upon request.
- Pneumatic valves and JIS connections are available upon request.

| CYLINDER | Internal Volume                | Liters | 43.8      | 7.3       |
|----------|--------------------------------|--------|-----------|-----------|
|          | <b>Cylinder Sizes &gt;&gt;</b> |        | <b>QB</b> | <b>UF</b> |
|          | Content                        | kg     | 10        | 3         |
|          |                                | lbs    | 22        | 6.6       |
|          | Cylinder Pressure*             | psig   | 11.9      | 11.9      |
| atm      |                                | 1.87   | 1.87      |           |

\* @ NTP

| SHIP | DOT Classification | 6.1               | Shipped as    |
|------|--------------------|-------------------|---------------|
|      | DOT Label          | NON-FLAMMABLE GAS | Liquefied Gas |
|      | UN Number          | UN 2810           | Gas           |

| TECHNICAL DATA | Specific Volume  | 0.709 m <sup>3</sup> /kg  |
|----------------|------------------|---------------------------|
|                | @NTP             | 11.36 ft <sup>3</sup> /lb |
|                | CAS No           | 559-40-0                  |
|                | CGA/DISS/JIS     | 660/716/W22-14R           |
|                | Molecular Weight | 212.04 g/mol              |

|                      |          |          |
|----------------------|----------|----------|
| Boiling Point @NP    | 27°C     | 80.6°F   |
| Critical Temperature | 159.9°C  | 319.8°F  |
| Critical Pressure    | 25.2 atm | 358 psia |

NTP = 21°C or 70°F and 101.3 kPa or 1 atm

| Cylinder | Treatment      | Nominal Diameter (OD)xHeight* |              | Material of Construction |       |
|----------|----------------|-------------------------------|--------------|--------------------------|-------|
|          |                | cm                            | Inches       | Cylinder                 | Valve |
| QB       | ULTRA-LINE II® | 23x130/134/143                | 9x51/52.5/56 | CS                       | SS    |
| UF       | ULTRA-LINE®    | 15x51/55/64                   | 6x19/20.5/24 | CS                       | SS    |

\*Height is reported as the distance from the bottom of the cylinder to the cylinder neck/ center of the valve outlet/ top of the handwheel  
CS: Carbon Steel SS: Stainless Steel



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