| Grade | ULSI Plus 4N8/6N5 | Gigabit 5N5/7N |
|---------------------------|-------------------|----------------|
| Vapor Phase Purity, % | 99.998 | 99.9995 |
| Oxygen + Argon | ≤1.0 ppmv | ≤0.5 ppmv |
| Nitrogen | ≤1.0 ppmv | ≤0.5 ppmv |
| Carbon Dioxide | ≤1.0 ppmv | ≤0.5 ppmv |
| Carbon Monoxide | ≤1.0 ppmv | ≤0.5 ppmv |
| Carbon Tetrafluoride | ≤1.0 ppmv | ≤0.5 ppmv |
| Hydrogen Fluoride | ≤10 ppmv | ≤1.0 ppmv |
| Sulfur Hexafluoride | ≤0.5 ppmv | ≤0.5 ppmv |
| Silicon Tetrafluoride | ≤0.5 ppmv | ≤0.5 ppmv |
| Liquid Phase Purity, %(w) | 99.99995 | 99.99999 |
| Total Metals: | ≤500 ppbw | ≤100 ppbw |
| Individual Metals - Cr | ≤10 ppbw | ≤5 ppbw |
| Fe | ≤10 ppbw | ≤5 ppbw |
| K | ≤10 ppbw | ≤5 ppbw |
| Na | ≤10 ppbw | ≤5 ppbw |
| Th | ≤0.1 ppbw | ≤0.08 ppbw |
| U | ≤0.05 ppbw | ≤0.05 ppbw |

- A lot analysis is provided for metals, sampled in the liquid phase
- Individual cylinder analysis is provided for gas impurities.
- Pneumatic valves are available for a Nickel DISS 638 connection Stainless Steel is not available
- WF₆ supplied in Nickel /Nickel-lined cylinders and Nickel valves to maintain the guaranteed purity.

| Internal Volume | Liters | 22.6 | 20.5 | 8.0 | 4.2 |
|-------------------|--------|------|------|-----|-----|
| Cylinder Sizes >> | | QW | QM | GH | JD |
| Content | kg | 59 | 59 | 20 | 10 |
| Content | lbs | 130 | 130 | 44 | 22 |
| Change Point* | lbs | 0.8 | 0.7 | 0.3 | 0.1 |

*Recommended Cylinder Change Point at NTP, based on Phase Break, or the amount of product left in the cylinder when the liquid phase has completely evaporated and only gaseous product is left (estimate based on ideal gas behavior).

| | DOT Shipping Name | Tungsten Hexafluoride | UN Number | UN 2196 | Shipped as |
|---|--------------------|-----------------------|--------------|--------------|------------|
| 붎 | DOT Classification | 2.3 (Poison Gas) | ECCN# | EAR99 | Liquefied |
| | DOT Label | POISON GAS CORROSIVE | Harmonized # | 2826.19.0080 | Gas |

| | Cylinder Pressure | 2.6 psig |
|----------------|-------------------|-------------------------|
| 4TA | @NTP | 1.2 atm |
| L D/ | Specific Volume | 0.081 m³/kg |
| TECHNICAL DATA | @NTP | 1.3 ft ³ /lb |
| H | CAS No | 7783-82-6 |
| Ħ | CGA/DISS | 670/638 |
| | Molecular Weight | 297.84 g/mol |

| | Vapor | Temp, °C | 0.0 | 15.5 | 21.0 | 32.2 | 43.3 |
|----------|-------------|----------|-----|------|------|------|------|
| Pressure | Press, psig | -8.0 | 0.0 | 2.6 | 15.6 | 31.7 | |
| | Temp, °F | 32 | 60 | 70 | 90 | 110 | |

| RFO Data | Size, mm | 0.254 | 0.3556 | 0.508 | 0.762 | 1.016 |
|----------|--------------|-------|--------|-------|-------|-------|
| | Size, inches | 0.010 | 0.014 | 0.020 | 0.030 | 0.040 |
| | Flow, sccm | 234 | 447 | 922 | 2057 | 3547 |
| | Flow, scf/h | 0.5 | 0.9 | 2.0 | 4.4 | 7.5 |

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

△WARNING: This product can expose you to chemicals including Carbon Monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

