



Fuel/Oxidizer Management Assembly

- Fuel/Oxidizer System Specifications:
 - Capable of mixing 3 gases
 - Utilizes ISS nitrogen
 - Gases supplied by using up to three 3.8, 2.25, and/or 1.0 L bottles
 - Bottle pressure up to 14 MPa (~2000 PSI)
 - Static blending
 - Partial pressures
 - <±0.35% accuracy
 - Accommodates pre-mixed bottles
 - Dynamic
 - Mass flow controllers
 - Accuracy: <25% O₂: ± 0.25% absolute
 >25% O₂: ± 2.0% of reading
 - Flow rate ± 1.0% stability
 - Oxidizer: Up to 30 SLPM
 - Fuel: Up to 2 SLPM
 - High pressure supply directly from gas bottle
 - Chemical bed and particle mesh filters
 - Designed to clean: Methane, Propane, n-Heptane,
 CO, CO₂, Sulfur Dioxide, Nitrous Oxide, H₂O + others
 - Gas chromatograph
 - Accuracy: 2.0% of reading

