 Let’s break down the subsystems and provide some *very* broad approximations, keeping in mind these are *highly speculative* and should *not* be used for any actual financial planning. Also, the prices depend if parts are newly manufactured or refurbished.

**Disclaimer:** These are *extremely rough estimates* based on general knowledge of aircraft maintenance costs, relative complexity of the systems, and a significant amount of guesswork. They are for illustrative purposes only.

**Assumptions:**

* Prices are in USD.
* Estimates are for a “typical” overhaul, which includes inspection, cleaning, replacement of common wear items (seals, gaskets, etc.), and testing.
* Labor rates are a significant factor.

**Subsystem 1: Storage & Control (Approximations)**

* **1.1: Oxygen Cylinder:** $500 - $2,000 (depending on size, type, and re-certification requirements). Hydrostatic testing and re-certification is a large part of this cost. New oxygen cylinder may cost around $5000
* **1.2: Pressure Transducer/Gauge:** $300 - $1,500 (replacement and calibration)
* **1.3: Manual Isolation Valve:** $200 - $800 (disassembly, cleaning, resealing, testing)
* **1.4: Storage Regulator:** $500 - $2,500 (more complex; depends on the extent of repair needed, including diaphragm replacement, etc.).
* **1.5: Discharge Equipment:** $400 - $1,800 (This is very broad as it could include various components like discharge valves or quick-disconnects. The price depends on the specific component being overhauled.)

**Approximate Total Cost for Subsystem 1 Overhaul (all components):** $1900 - $8600 (This is a VERY wide range)

**Subsystem 2: Distribution & Delivery (Approximations)**

* **2.1: Storage to Cockpit Piping:** $100 - $500 (Inspection for damage/corrosion, pressure testing. Replacement would be significantly more).
* **2.2: Distribution Manifold:** $400 - $1,500 (Cleaning, inspection for cracks, resealing, pressure testing).
* **2.3: To Storage Box Pipelines:** $100 - $500 (Same as 2.1)
* **2.4: Storage Box Assembly:** $600 - $2,000 (This depends on the components within the box and the nature of any repairs to the box itself).
* **2.5: Face Mask Pipeline:** $50 - $300 (Inspection, cleaning, replacement of quick disconnects or fittings if needed).
* **2.6: Face Mask:** $100 - $400 (Inspection, cleaning, replacement of straps/seals. Often, face masks are replaced rather than overhauled for hygiene reasons).

**Approximate Total Cost for Subsystem 2 Overhaul (all components):** $1350 - $5200 (This is a VERY wide range)

**Key Considerations:**

* **Shop Labor Rate:** A typical aircraft maintenance labor rate can range from $80 to $150+ per hour, depending on the location and the MRO. The amount of labor involved in each overhaul will dramatically affect the cost.
* **Part Costs:** The availability and price of spare parts are major drivers of overhaul costs.
* **Hidden Damage:** Unexpected damage discovered during the overhaul process can significantly increase costs.