Final Parts List

GPS: <http://www.adafruit.com/products/1272> - $50

External Pressure Sensor: <https://www.parallax.com/product/29124> - $30 (3 - 3.6V, >10 kPa)

Internal Pressure Sensor: <https://www.parallax.com/product/29124> - $30 (3 - 3.6V, <120 kPa)

Valve: <http://www.gemssensors.com/Solenoid-Valves/General-Purpose/M-Series-Valves>

<http://www.industrialcontrolsonline.com/asco-8215-series> (maybe too heavy, min temp works)

<http://aldax.se/catablog-items/pulse-valves-miniature-high-speed-high-vacuum-dispense-valve/> (high voltage high current - may be too high)

<http://aldax.se/wp-content/uploads/2012/07/PulseValves.pdf> (datasheet)

<http://ph.parker.com/us/12051/en/pulse-valves-miniature-high-speed-high-vacuum-dispense-valve#tech-specifications> ?

<http://www.mcmaster.com/#standard-solenoid-valves/=zc9h2o> (select helium on the side)

See the Catalog Here:

<http://www.farnell.com/datasheets/1673813.pdf>

Buy Parts Here:

<http://www.gemssensors.com/Solenoid-Valves>

Looking most at the D2019

Consider this, though it is sketchy site: <http://ph.parker.com/us/12051/en/miniature-solenoid-valves-prf>

Battery mAh