

QHRLS - MP

This solution – termed as ‘Medium Pressure’, or MP – is a closed-loop system, recovering the entire boiloff when and where it occurs. As stated in the name, the system will store the recovered gas in medium pressure storage. Boiloff from all parts of the system (dewars, customer devices, etc.) is recovered in a gas bag, from which it is taken by a medium-pressure compressor, which sends the gas to a medium-pressure storage, or directly to the helium liquefier.

The presence of the gas bag requires the continuous use of the purifier, in order to ensure that the gas entering the liquefier is clean. The recovery rate of this system is around 85% and above, primarily due to the losses in the gas bag.

Quantum Technology Corp. has a variety of MP compressors for recovery and compression.



Figure 1. Quantum MP compressor – pressures up to 215 psi, flowrates up to 150 m³/hr.

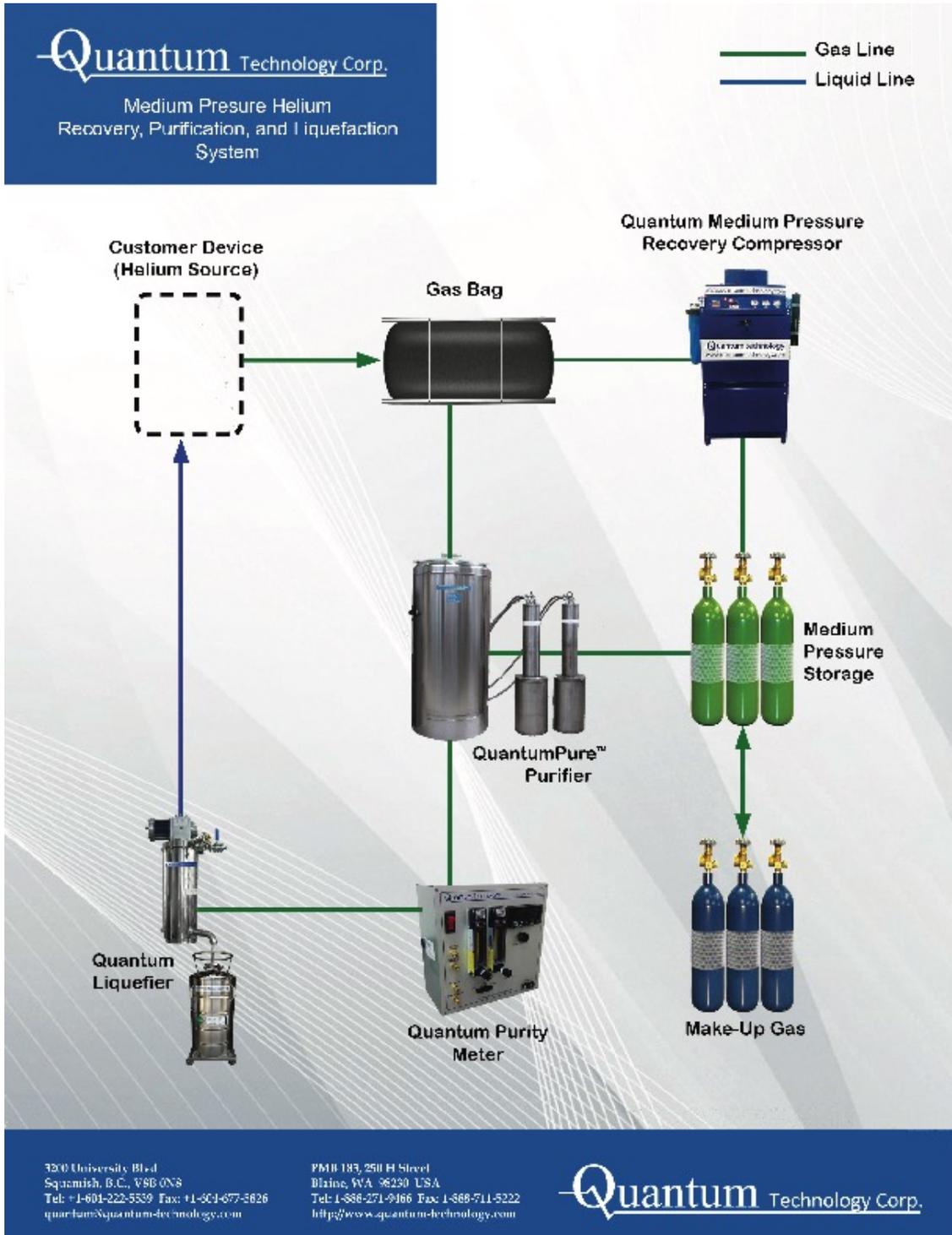


Figure 2. QHRLS - MP – Medium Pressure Helium recovery, purification and liquefaction system.