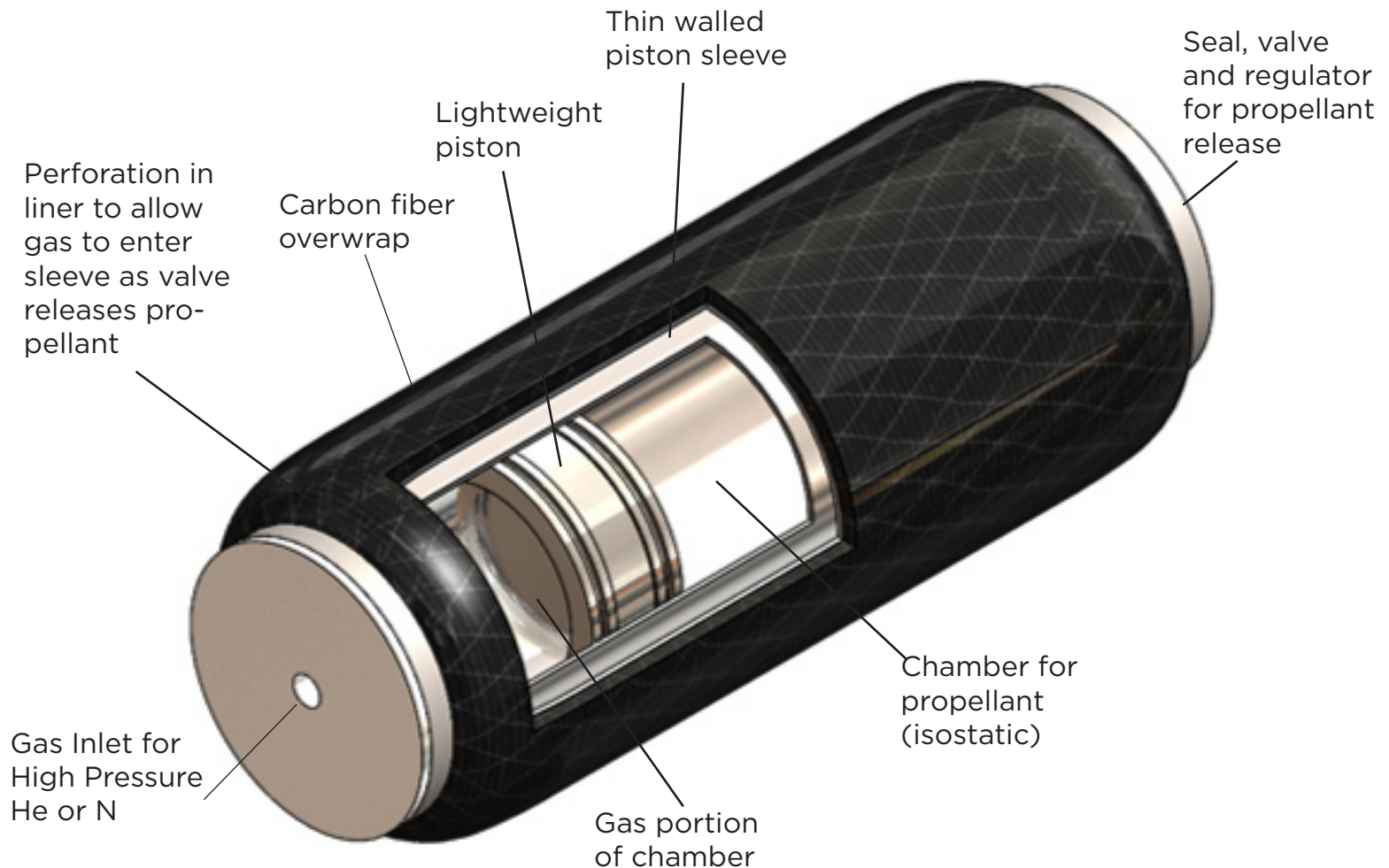


# Propellant Solution



Steelhead Composites Combined Propellant/Pressurant Vessel (CPPV) -- a novel composite vessel with lightweight piston in a thin-walled sleeve to house both pressurant and propellant for a lightweight, low cost, safe and simple rocket propellant solution.



We have demonstrated a lightweight piston propellant system. The piston sleeve could be made of any material removing concerns about material compatibility, and since the sleeve is merely a barrier, could be made with very thin walls. The pressurant is housed in a high-pressure external chamber isolated from any propellant, but structural to the propellant chamber.