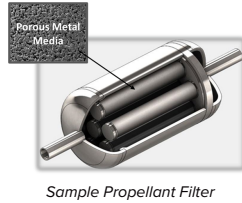




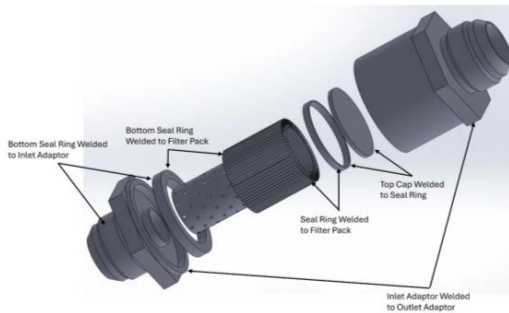
PROPELLANT/ACTUATION FILTERS

- 20+ Spacecraft programs proven flight heritage success
- Offered in porous sintered metal and mesh
- Tortuous filter media for submicron capture for thruster longevity and accuracy
- Long-standing reliability and durability with improved strength over other medias



3D PRINTED THRUSTER COMPONENTRY

- Single component bill of material with integrated porous/solid structures with small prototype or large 1m build scale up capability
- Highly uniform flow distribution in electric/chemical propulsion systems
- You own your design, we own our process for IP peace of mind



CERAMIC COMPONENTRY

- Diverse porous or solid materials in Alumina, Zirconia, Titania & Silicates
- Custom designs for dielectric insulation/heater components for electric propulsion or thermal shield componentry in weapon systems and orbital data centers
- +/- 0.0001" Tight tolerance and surface polishing for optics & missile componentry



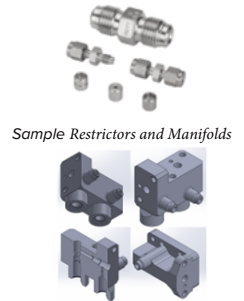
GROUND FILLING FILTRATION & GAS PURIFICATION

- Point of Use or Bulk Sub-systems particulate and non-particulate contamination removal down to ppb and 0.1u levels in virtually any gases
- Water purification and recovery filtration skid designs with suite of project management available



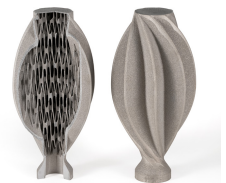
HP/LP FILTER MANIFOLDS, FLOW SPLITTING & RESTRICTORS

- Machined to spec fluid paths with pre-installed flow restrictor and filter elements
- Multi-pore elements prevent clogging at lower flow rates over orifice designs
- Proof tested for leak, pressure, flow, and cleanliness



PROPELLANT MANAGEMENT DEVICES (PMDs) & SURFACE TENSION ELEMENTS (STEs)

- Conventional and 3D printed options to customize design, weight, pressure drop, pressure rating, and flow
- Novel 3D printed designs optimizes fluid pull for more flight time & diverse flight conditions
- Porosity and permeability testing in-house for barrier to performance optimization



ENVIRONMENTAL CONTROL & LIFE SUPPORT SYSTEM FILTRATION

- Proven crewed mission qualifications for Oxygen/Nitrogen/Air service
- Durable long mission life 15+ years
- Customizable footprint and flame arresting capability



LOOP HEAT PIPE/WICKS, PHASE SEPARATORS, & THERMAL PROTECTION SYSTEM COMPONENTRY

- Leak proof single component bill of material in HP fluid compatible metal designs
- Gradient porosity for efficient phase separation in 2-phase systems
- Internal system temperature control with porous/lattice TPS structures

