

SUPERIOR PROPERTIES OF ALUMINUM

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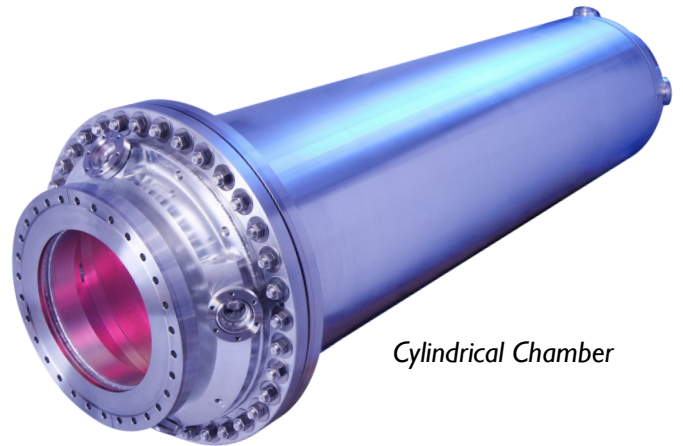
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Aluminum

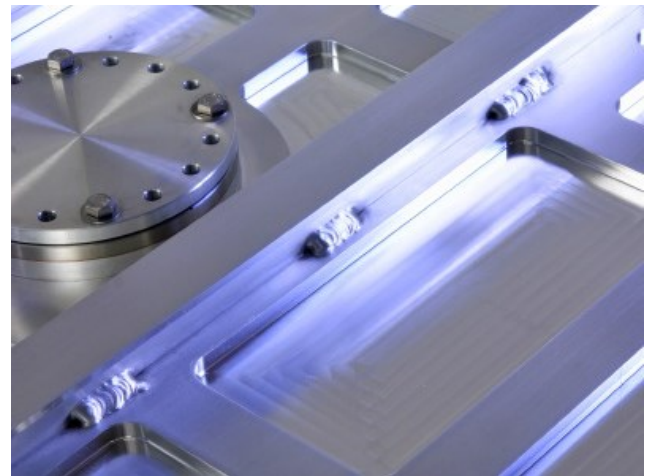
- 7 orders of magnitude less H₂ for ultra pure vacuum.
- Less carbon for reduced contamination.
- 10x the thermal conductivity and 21x the thermal diffusivity for fast, complete bake outs and unmatched thermal performance.
- Outgassing rates of less than 10⁻¹³ Torr liter/sec cm² suitable for extreme high vacuum.
- High resistance to a variety of chemicals.
- The option to be anodized for electrical or chemical resistance.
- Low Z (low nuclear activation), for less residual radiation.
- Non-magnetic for applications that require it.
- High vibration dampening (low Young's modulus) for increased absorption.
- 1/3rd the weight for superior manageability.
- Lower material and operations cost for an improved bottom line.
- Machinability up to 10x faster for lower manufacturing costs.

ATLAS ALUMINUM PRODUCTS ARE COMPATIBLE WITH

STANDARD STAINLESS STEEL EQUIPMENT



Cylindrical Chamber



Aluminum Chamber Detail



Formed Chamber

Why Aluminum