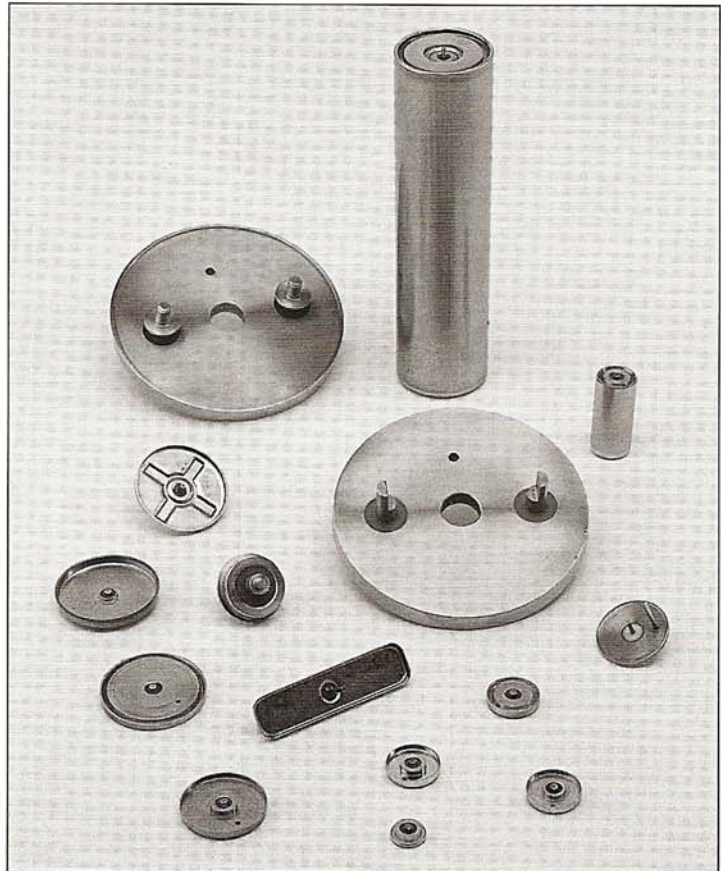


HERMETIC TERMINALS FOR BATTERY APPLICATIONS

AMETEK SCP offers a wide range of glass to metal sealed terminals suitable for most long cell life applications especially lithium/sulfur dioxide and lithium thionyl chloride. Stainless steel and nickel plated cold roll steel are typical materials for circular or prismatic cell types. Terminal materials of Alloy 52, molybdenum or stainless steel are carefully selected depending on the battery application.

All terminals can be tested in-house for environmental conformity and helium leak inspected. The cell top assemblies have successfully passed a helium leak rate of 1×10^{-9} along with hydrostatic pressure requirements.

AMETEK SCP can build exactly to your specifications or offer a complete design and manufacturing service. Three atmospheric furnaces and in-house fixture manufacturing capabilities allow for quick turn around times for both large and small runs. Our battery terminals and carefully selected sealing processes have proven successful for our customers whenever shock, vibration, radical temperature extremes or pressure have been a problem.



Look for our feed thrus and battery covers when your cell applications are used in ocean depths, down hole or the upper reaches of the atmosphere.

Typical Materials

Cell Top: Stainless Steel, Nickel Plated Cold Roll Steel.

Terminal: Alloy 52, Molybdenum, Stainless Steel.

Hermeticity

Units successfully pass 1×10^{-9} cc/sec. Helium Leak Rate.