

# HIGH CONDUCTANCE EXTENDED LIFE (XL) HIGH VACUUM BALL VALVE

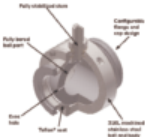
## Description

ANCORP's High-Conductance ball valve is the latest and largest addition to the Extended Life (XL) ball valve series. Including the XL's patented fully stabilised stem design, the HC provides maximum conductance with its fully-bored ball port and shortened two-piece corrosion resistant 316L stainless steel body.

The smooth profile makes this design easier and more efficient to heat. The valve is opened or closed manually or pneumatically by 1/2 turn, with actuation. During actuation, the PTFE Teflon® seats wipe across the ball. This feature reduces particulate build-up, making this valve robust in particle-rich effluent streams.

## Applications

The corrosion resistant design of ANCORP's vacuum ball valves make them ideal for isolating reactions, trays, and scrubbers in vacuum coating tools used for MOCVD, PVD, and other thin film coating processes.



## The High Conductance Difference

### Two-piece body

One less body O-ring seal means one less potential ball path and huge maintenance cost reductions when using performance liners.

### Smooth profile

Maximises heat transfer from heating components.

### Minimised overall length and sliver profile

Increase conductance and reduce weight & footprint.

### Fully bored ball port

Maximises conductance with straight-through, unimpeded flow.

### Extra space between body & handle brackets

Minimum of 50P clearance allows more room for heating components.

### Adjustable stroke actuator

Adjusts to +4.0° to ensure proper operation over life of the valve.

### Integrated handle lock

Prevents accidental opening/closing, lock not tag out ready.

## PATENTED XL DESIGN

- 10% longer cycle-life
- Fully modified stem
- Reduced welded components