

WIN WITH



Hot Zones



Hot Zones

As the largest Hot Zone manufacturer, Ipsen provides a high-velocity one-piece plenum design to help maximize performance.

When the time comes to replace or retrofit your vacuum furnace hot zone, it only makes sense to call on Ipsen. Whether you need to replace an existing Ipsen hot zone or a different brand furnace—we can deliver a hot zone for exceptional process control, efficient cooling and easy installation and maintenance. Most of our hot zones are supported by a heavy, duty, double-wall steel plenum. Its one piece design gives it long-term reliability and outstanding energy efficiency. The one piece plenum features a unique extruded nozzle design with free flowing, gentle curves for efficient gas flow. The gas nozzles are oriented 360° around the work zone for the ultimate in uniform cooling.

The all graphite Hot Zone is usually considered the best choice for vacuum furnaces because of its long life and superior thermal efficiency.

- Graphite elements usually last the life of the hot zone
- 1" graphite felt and graphite board with bonded Garfoil hot face
- Segmented element design makes for fast and easy replacement
- Hearth will easily withstand long, high temperature cycles
- Exceptionally strong and economical to repair
- Several options to perfectly fit your application



Or, if your process is susceptible to graphite contamination, the All-Metal hot zone could be your best choice.

- 2" all metal radiation shield constructed of three molybdenum shields and two stainless steel shields
- Layers are secured with moly hangers to the plenum wall
- Patented Sure Lock moly gas nozzles are designed to lock into the extruded nozzle ports
- Elements feature a 'double U' profile, which makes them easier to install or replace, and minimizes distortions over the life of the hot zone

