

Replacement Hot Zones

High Efficiency, Economical and Durable

Features and Benefits

- Four (4) layers of .5" graphite felt with 0.040" Flex Shield hot face provides high thermal value
- Internally tapered graphite gas nozzles are specifically directed at the work load to provide improved cooling rates
- Thin curved graphite resistance heating elements for uniform radiant heat up and rapid cool down
- Threaded or twist-in element supports provide sturdy and durable support for the elements and are easily maintained
- Operating temperatures up to 2800°F
- Temperature uniformity of approximately $\pm 10^\circ\text{F}$
- Heavy duty hearth of molybdenum support pins and graphite rails
- Multiple zones of trim control
- Insulation and heating elements are mounted on a heavy duty stainless steel support ring
- Other insulation materials are available upon request



Manufacturer	Description	Watts Per Square Inch
Solar Manufacturing	2" of high purity graphite felt insulation with 0.040" thick Flex Shield hot face	< 6.0
VFS design	1" graphite insulation board backed by a layer of 1/2" carbon felt	10.19
VFS design	1-1/2" of carbon felt insulation with 0.015" thick graphite foil hot face	7.74
Any Manufacturer	3 molybdenum / 2 stainless steel shields, all metal hot zone	12.6

For a full detailed price proposal with specifications, contact Dennis Hiddemen, Aftermarket Sales Manager at 267-384-5040 x 510.

SOLAR HOT ZONE ADVANTAGES	
SOLAR	OTHERS
<ul style="list-style-type: none"> - High efficiency and 5.48 WPSI - High velocity graphite nozzles - Single leg element support - Thin curved graphite elements - Flex Shield hot face 	<ul style="list-style-type: none"> - Medium efficiency 7.76 WPSI - Straight thru graphite nozzles - Complex multi-piece element support - Heavy, flat, plate-type graphite elements - Graphite board on graphite foil
<p>For more information or to request a proposal, contact the vacuum furnace specialists at Solar Manufacturing.</p>	



performance

Faster heating & cooling, uniform temperature.

These were some of the words Winston Heat Treating, Inc used to describe their replacement hot zone from Solar Manufacturing. "From the competitive pricing to the dimensional correctness and the simplicity of assembly, Solar made my job much easier," says Guy Harshman. John Reger agrees, stating "Solar are great people to work with. We are completely satisfied with this purchase."



*"I see major improvements
over our old hot zone."*

- John Reger, President

*"Solar builds an excellent hot zone.
I was impressed with every detail."*

- Guy Harshman, Maintenance Manager



What are some other reasons Solar's products stand out? Check out www.solarmfg.com or call 267.384.5040 to speak to a Solar specialist.