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**SY- 080.24E**

# AIR HEATERS

Hot air generators manufactured by OSRAM SYLVANIA for various industrial applications.

## TRIPLE PASS HEATERS SERPENTINE HEATERS II VI

### ADJUSTABLE, QUICK RESPONSE, HIGH TEMPERATURE. WARMING AIR AND INERT GAS

Developed with the aim of meeting the OEM machine manufacturers heaters in this series offer unmatched versatility and effectiveness.

The specific design of the body with a triple heat exchange, use the cold air inlet to cool the outer wall before heading for the serpentine heater element.

Radiation losses are eliminated and the facility design and facility security are simplified.

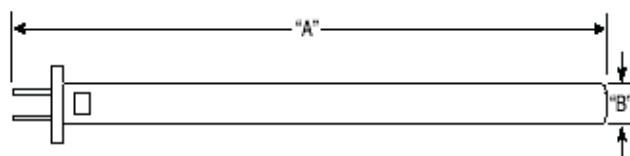
The replacement serpentine heater element is easily replaceable so the lack of production are reduced

These heaters developed and patented by OSRAM SYLVANIA exceed 5000 hours of operation if used appropriate control systems.

A full range of accessories, including nozzles and temperature controls complete the offer.



Maximum temperature 815 °C.  
Maximum pressure 1,75 Kgs/cm<sup>2</sup> (25 psi)



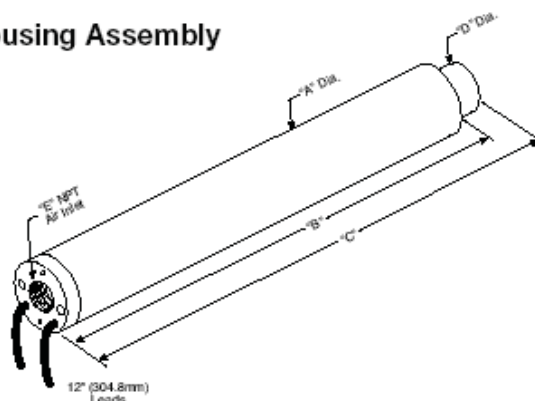
Part Number	W	V	Amp.	Pressure Kg/cm <sup>2</sup>	A mm.	B mm.
<b>Serpentine II (elements used with housing 029763)</b>						
029765	2000	240	8,3	1,7	208	16
029766	2800	240	11,7	1,7	208	16
029767	3600	240	15	1,7	208	16
060418*	3600	240	15	1,7	216	16
<b>Serpentine VI (elements used with housing 057088)</b>						
040291	5000	240	20,8	1,7	276	32
040292	6000	240	25	1,7	276	32
061429	6000*	240	25	1,7	276	32
056548	8000	240	33,3	1,7	276	32

\* Two stage

Incorporating elements of two filaments with different thread diameter located along the entire length of the heater.

This is to ensure a uniform temperature entire length resulting in a temperature of more work higher, without affecting the duration of element.

### Housing Assembly



### HOUSINGS

Part Number	Serpentine	A mm	B mm	C mm	D mm	E
029763	II	40	229	254	18	3/8" NPT
057088	VI	54	302	327	35	3/4" NPT

### Bases

Part Number	
039739	Base for Serpentine II
042339	Base for Serpentine VI

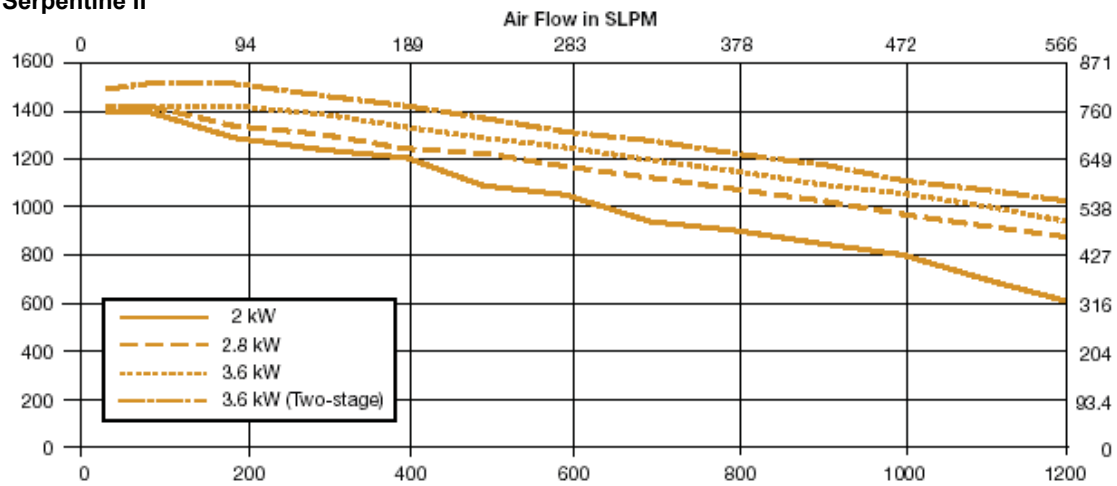


Typical Application shrink capsules

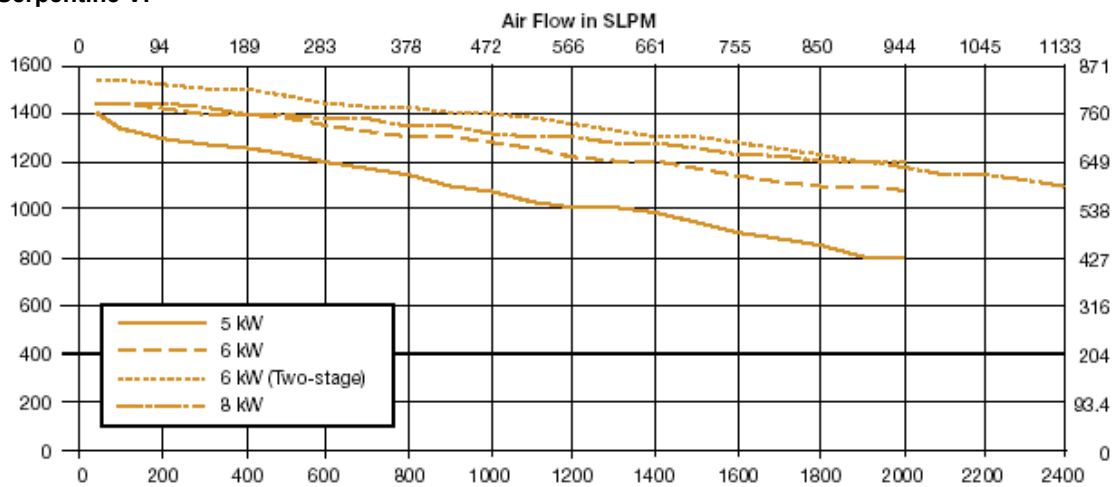
## PERFORMANCE

In the charts below we see the air outlet temperature according to their flow

### Serpentine II



### Serpentine VI



OSRAM SYLVANIA heaters of either model catalog can only be used for heating dry air or inert gas. They should never be used in explosive