

# Low temperature air heating

Maxon has been providing a variety of burner products for direct fired low temperature air heaters. To better support the needs of those customers requiring solutions within a limited budget, without sacrificing on product quality and reliability, Maxon introduces the V-Line™ burner.

Maxon V-Line™ burner is especially designed for fresh air heating or low temperature recirculating air heating applications.

It comes as a pre-packed slide in unit which can easily be flange mounted on a process air duct. The V-Line™ burner installation only requires the gas line and electrical power cables to be connected. Starting the burner was never so easy because it is pre-commissioned in the Maxon factory. This is what we call: Plug & Fire! The combustion products generated by the burner meet most of the global requirements for make-up air systems. Its operation is independent from possible variations of the process air flow.

The burner design allows for higher upstream temperatures which makes the V-Line™ suitable for recirculating air processes.

These features of the V-Line™ match the criteria of applications like paint-booths and make-up air units. Because of its high quality material selection, the V-Line™ can be used in all kind of drying applications, with fresh cold or preheated process air, or in recirculating low oxygen/high humidity atmospheres such as in paper-, food- and gypsum dryers.

## PRODUCT VALUE

### Fuel savings

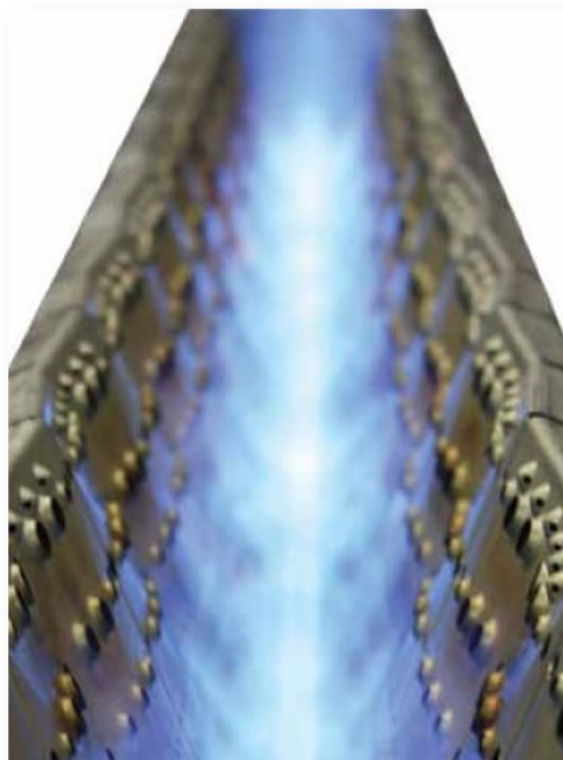
- V-Line™ allows customers to modulate combustion air
- V-Line™ allows customers to use preheated combustion air

### Cost savings

- V-Line™ allows for fast installation
- V-Line™ allows for quick start-up (Plug & Fire)

### Application flexibility

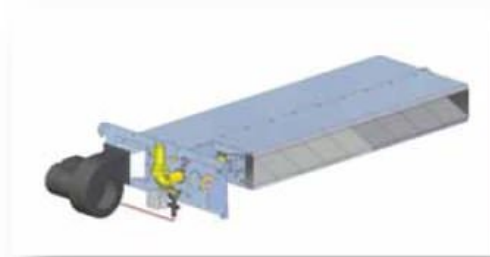
- V-Line™ accepts high upstream process air temperatures
- V-Line™ is built entirely out of stainless steel



## PRODUCT AVAILABILITY

### V-Line™ basic burner

- straight sections 0.5 ... 6.5 ft
- includes standard mounting plate
- includes spark ignitor & flame detection



### V-Line™ packaged burner

- V-Line™ basic burner
- Gas pipe train
- Flame safeguard
- Combustion air blower



## KEY FEATURES OF THE V-Line™ BURNER

- excellent flame stability
- even temperature distribution
- stainless steel burner parts
- can be used with preheated combustion air
- 40:1 turndown
- up to 400 kW per foot
- operates on all commercial available gasses

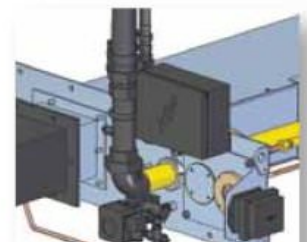
## OPERATING BENEFITS

The V-Line™ burner is manufactured out of stainless steel. This guarantees:

- long operational lifetime
- high availability
- low maintenance cost.

## SELECTION CRITERIA

- packaged V-Line™ burners include a gas pipe train and burner controller: Plug & Fire!
- low installation cost
- can generate fuel savings by preheated air capability



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