

Single-end Radiant-tube Burner

The high-efficiency burner that recovers waste heat with a heat exchanger installed in the burner head.



◆ Standard specification

Radiant-tube burner (type of single-end)

Model	Outer tube outside diameter (mm)	Maximum outer tube length (mm)	Maximum efficient outer tube length (mm)	Capacity (kW)	Gas pressure at burner (kPa)	Air pressure at burner (kPa)	NOx (ppm)	Noise level (dB)	Maximum furnace temperature (°C)
80SERT	80A	1,800	1,500	20.93	$\geq 7.8^{*1}$	$\geq 7.8^{*1}$	$\leq 80^{*2}$	$\leq 80^{*3}$	950°C
100SERT	100A	2,300	2,000	34.89					
150SERT	150A	2,800	2,500	69.78					

* Including gas,air metering orifice, spark rod and observation port as standard parts.
And flame detector ultraviolet , exhaust gas recirculation are available.

*1 The pressure "Air,gas pressure at burner" is for combustion control device

*2 Reference data: O₂ 11% conversion, 800°C

*3 Noise level: "A property" JIS C 1502-1990 distance 1m.