

# Regenerative burner SX



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## CHARACTERISTICS

- A regenerator is used to efficiently recycle waste heat, achieve high fuel efficiency and low carbon emission.
- The autonomous Sinnox-Flame® combustion technology, combined with flue gas reflux and multi-stage combustion, solves the problem of high NOx due to high air preheating temperature.
- Regenerator materials is ceramic ball or honeycomb body. Long flame (L) and flat flame (F) are available.
- Rated capacity range is 200~1500 kW, and the burner is used in pairs.
- Fuel: natural gas, LPG, town gas and other gases.

## APPLICATIONS

Suitable for periodical furnaces with direct heating, such as trolley-type heat treatment furnaces and heating furnaces, as well as continuous production heating furnaces such as steel pusher furnace and rotary bottom furnaces, and other furnaces with direct heating, such as aluminum melting furnaces and mold shell heating furnaces.

## CONFIGURATION

- Composed of burner and regenerative box. Burner of 200~400 kW is integrated with regenerative box. For high-capacity burner, a split type is available.
- Ignited by a pilot burner and detected by UV sensor.
- To facilitate installation and save space, the regenerative box of honeycomb body is installed above the burner.
- To facilitate replacement and cleaning, the regenerative box of ceramic ball is installed below the burner.
- Burner housing with thermal insulation lining and integrated burner block.



## SPECIFICATION

### Type table

Type	SX	HR	(F)	800	L	N	/D	T
Regenerator	BR: ceramic ball HR: honeycomb body (600~1500kW)							
Supplement	F: flameless mode (High-temperature mode)							
Capacity	200kW 800kW	300kW 1000kW	400kW 1200kW	600kW 1500kW				
Flame shape	L: long flame		F: flat flame					
Fuel	N: natural gas		P: LPG	T: town gas				
Regenerative box	D: split (600~1500kW)							
Furnace type	T: temperature~1000 °C			H: temperature ~1250 °C				

The selection and control scheme of regenerative burner must combine with the actual scene and customer demand. Please contact us for details.