

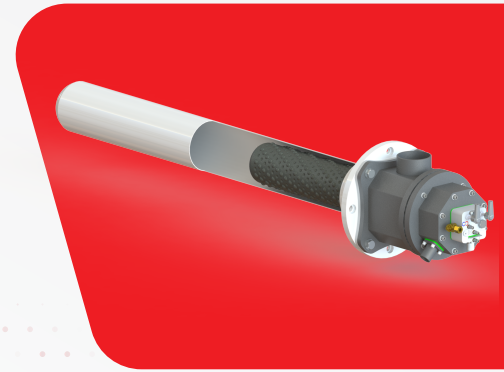
SELF-RECUPERATIVE GAS BURNER

Features:

- Thermal capacities from 20 kW up to 150 kW,
- Firing with natural gas, and LPG,
- Electronic modulation ratio up to 5:1,
- Direct and indirect combustion,
- Combustion air and fuel adjustment with servo motor,
- High thermal energy efficiency ,
- Internal cooling purge air,
- External fuel cooling air connection,
- Direct ignition and ionization electrodes ,
- Eco friendly via clean combustion with low NOx and CO levels,
- Easy installation and maintenance,
- Optional flame detection with photocell,
- Optional BMS or software connection for PLC control.

Main Using Applications:

- ✓ Radiant tube heating,
- ✓ Industrial recuperative furnaces,
- ✓ Drying ovens,
- ✓ Paint finishing systems,
- ✓ Glass manufacturing,
- ✓ Ceramic Manufacturing.



SELF-RECUPERATIVE BURNER SERIES					
PRODUCT	CAPACITY	NG CONSUMPTION	LPG CONSUMPTION	FLAME TUBE MATERIAL	FAN PRESSURE
	(kW)	(m3/h)	(m3/h)		(mbar)
ECO-RECU-SC 020	20	2,08	0,76	Silicon Carbide	80
ECO-RECU-SC 035	35	3,65	1,34	Silicon Carbide	80
ECO-RECU-SC 045	45	4,69	1,72	Silicon Carbide	80
ECO-RECU-SC 060	60	6,25	2,29	Silicon Carbide	80
ECO-RECU-SC 100	100	10,42	3,82	Silicon Carbide	80
ECO-RECU-SC 150	150	15,64	5,73	Silicon Carbide	80

MAX TEMPERATURE	AIR CONNECTION	GAS CONNECTION	PURGE AIR	COOLING AIR
(°C)				
1350	1"	1/2"	1/4"	1/2"
1350	1"	1/2"	1/4"	1"
1350	1"	1/2"	1/4"	1"
1350	1 1/2"	1/2"	1/4"	1 1/2"
1350	1 1/2"	1/2"	1/4"	1 1/2"
1350	2"	1/2"	1/4"	2"

"Graphics are for RECU-045. Differences may be seen in other capacities. Termo Isi reserves the right to change the data without notice."

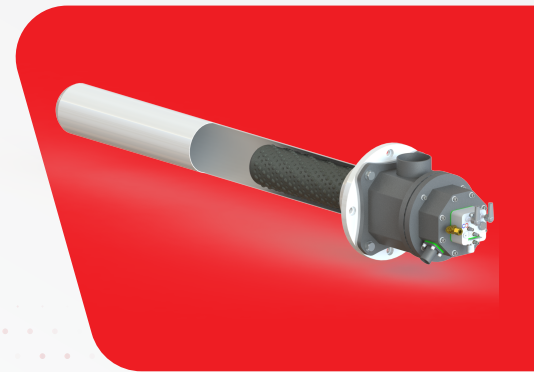
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	(kW)	Btu/hr.	scfh	scfh		w.c
ECO-RECU-SC 020	20	68.243	77,76	28,51	Silicon Carbide	32"
ECO-RECU-SC 035	35	119.425	136,09	49,90	Silicon Carbide	32"
ECO-RECU-SC 045	45	153.546	174,97	64,16	Silicon Carbide	32"
ECO-RECU-SC 060	60	204.728	233,29	85,54	Silicon Carbide	32"
ECO-RECU-SC 100	100	341.214	388,82	142,57	Silicon Carbide	32"
ECO-RECU-SC 150	150	511.821	583,24	213,85	Silicon Carbide	32"

MAX	AIR CONNECTION	GAS CONNECTION	PURGE AIR	COOLING AIR
°F				
2462	1"	1/2"	1/4"	1"
2462	1"	1/2"	1/4"	1"
2462	1"	1/2"	1/4"	1"
2462	1 1/2"	1/2"	1/4"	1 1/2"
2462	1 1/2"	1/2"	1/4"	1 1/2"
2462	2"	1/2"	1/4"	2"

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