■ Introduction：

RBSIC High Temperature gas cooled reactor heat exchanger is a new type of tubular high temperature heat energy recovery device, has high fuel saving rate,which can be widely used in industries such as metallurgy, machinery, building materials, chemical industry, etc. RBSIC Heat Exchanger Tubes can directly recover the waste heat of high-temperature flue gas at 850-1400 ° C discharged from various industrial kilns to obtain high-temperature combustion air or process gas. Silicon Carbide Ceramic heat exchangeris a new type of silicon carbide engineering ceramic, which has high temperature resistance and heat resistance and Excellent impact performance.

■ Technical data sheet:

Item	Unit	Data
Temperature of application	℃	1380℃
Density	G/cm3	＞3.02
Open porosity	%	＜0.1
Bending strength	Mpa	250 (20℃)
	MPa	280 (1200℃)
Modulus of elasticity	GPa	330 (20℃)
	GPa	300 (1200℃)
Thermal conductivity	W/m.k	45 (1200℃)
Coefficient of thermal expansion	K-1 ×10-6	4.5
Rigidity	/	13
Acid-proof alkaline	/	excellent

■ Advantages:

1.RBSIC High Temperature gas cooled reactor heat exchanger has high efficiency and energy saving. Has improved heat transfer efficiency and reduced thermal resistance.
2.Flexible design, complete specifications, strong practicality and targeted, saving cost.
3.Wide application conditions, suitable for large pressure, temperature range, and multiple media heat exchange.
4. Low maintenance cost, easy operation, long cleaning cycle, and convenient cleaning.
5. Silicon Carbide Ceramic heat exchanger has a wide range of applications and can be widely used in fields such as thermal power, factories and mines, petrochemical industry, urban centralized heating, food and medicine, energy electronics, machinery and light industry, etc.

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