■ Introduction of RBSIC vortex spray nozzle：

Silicon carbide nozzle vortex volute spray nozzle pipe is a new ceramic material with characteristics such as high temperature resistance (1380 ℃), oxidation resistance, high strength, extreme cold and hot resistance, good thermal shock resistance, reduced high temperature, good thermal conductivity, wear resistance, and corrosion resistance.RBSIC vortex spray nozzle have better acid, alkali, and high temperature resistance compared to ordinary ceramics.

■ Technical data sheet of RBSIC flue gas desulfurization dust removal nozzle :

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 of RBSIC high flow double flow cone tangential nozzle :

1. RBSIC vortex spray nozzle have high hardness, good erosion resistance, and long service life.
2. Silicon carbide solid conical spiral Spray nozzle has good elasticity, and the quality of nozzles of the same specification is lighter.
3. The surface of Silicon carbide nozzle vortex volute spray nozzle pipe is smooth without pores, and the internal flow channel is smoother, less prone to scaling, and the atomization is more uniform.
4. The heat transfer is better, and the RBSIC volute spray nozzle is less prone to cracking and deformation due to alternating heat and cold.
5. In addition, RBSIC nozzle vortex volute pipe can be used as a full size spiral nozzle and a tangential hollow cone nozzle.

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