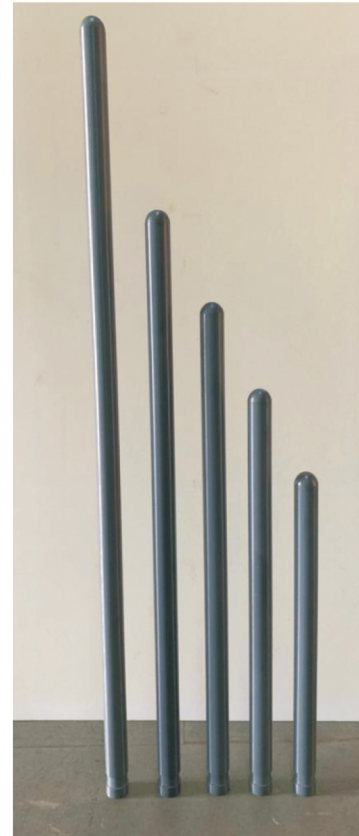


PIC[®] Silicon Nitride Thermocouple Protection Sheath

Type	Diameter (OD*ID)	Max. Length
PIC TS16	16*8MM	800MM
PIC TS 22	22*12MM	1000MM
PIC TS 28	28*16MM	1200MM
PIC TS 32	32*20MM	1500MM



Si3N4 Products Technical Data	
Component	Si3N4 92% Y2O3 + Al2O3 8%
Density	>3.20 g/cm ³
Flexural strength	≥ 650 Mpa
Thermal conductivity	22-24 W/(m.k)
Thermal expansion coefficient	3.1-3.3X10 ⁻⁶
Max. Working temperature	1400 C

ADVANTAGES:

1. Good density & mechanical strength
2. Good thermal conductivity & thermal shock resistance
3. No wetting by non ferrous metal melts
4. High corrosion and wear resistance
5. Long service life

ATTENTIONS:

1. Keep storage in a dry environment
2. It is better to preheat it before applications
3. Do not make mechanical stress during applications
4. Regular slag removal and correct maintenance



PIC[®] SILICON NITRIDE DEGASSING ROTOR & SHAFT

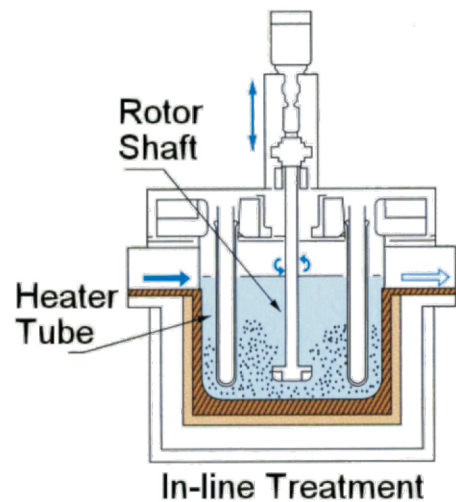
Si3N4 Products Technical Data	
Density	> 3.20 g/cm ³
Flexural strength	≥ 700 Mpa
Thermal conductivity	16-22 W/(m.k)
Thermal expansion coefficient	3.3X10 ⁻⁴
Max. Working temperature	1400 C

CHARACTERISTICS:

1. Good density & mechanical strength
2. Good thermal conductivity & thermal shock resistance
3. No wetting by non ferrous metal melts
4. High corrosion and wear resistance
5. Long service life

ATTENTIONS:

1. Keep storage in a dry environment
2. It is better to preheat it before applications
3. Do not make mechanical stress during applications
4. Regular slag removal and correct maintenance



PIC[®] SILICON NITRIDE RISER STALK TUBE

CHARACTERISTICS:

- Best cost performance
- Long service life (≥ 12 month)
- Can be used in melts containing Na and Sr
- No melt contamination under high temperature
- Excellent corrosion resistance
- Excellent thermal shock resistance
- Max. working temperature is 1300°C
- Easy cleaning and maintenance



OD(mm)	ID(mm)	Max. Length (mm)
80	60	2000
90	70	2000
110	90	2000
130	110	2000

Other size available on request.

Metal flange could be offered together with riser tube



PIC[®] SILICON NITRATE HEATER PROTECTION TUBE

Specifications:

OD (mm)	ID(mm)	Max. Length (mm)
45	55	1100
80	65	1200
105	88	1200
112	96	1200
145	125	1200
188	168	1200

