



# KUBOTA Ceramics for Molten Aluminium

## Low-Pressure Casting



### ■ Heater Element Protection Tube (KN)

Kubota heater element protection tube increase the life and reliability of heater elements. We can provide protection tube for vertical or horizontal applications.



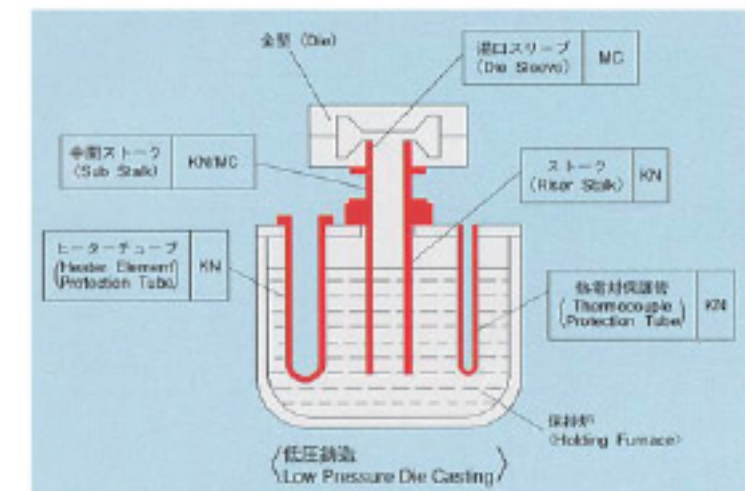
### ■ Riser stalk for Low Pressure Casting (KN)

Riser stalk life can be increased due to the superior corrosion resistance of Kubota's KN material. We also offer the versatility of providing either a ceramic or metal flange to suit your requirements.



### ■ Thermocouple Protection Tube (KN)

(Standard Size)  
OD = 28 mm. , ID = 16 mm.  
Length = from 300 to 1400 mm.  
Special shapes & assemble can be made upon your request.



## MELTING AND TRANSFER



### ■ Rotor and shaft for De-gassing and Rotating (KN)

In treatment process of molten aluminum, rotor and shaft is used for de-gassing and rotating. Kubota ceramic rotor and shaft has good thermal shock resistance and gives stable performance over a long period of time.



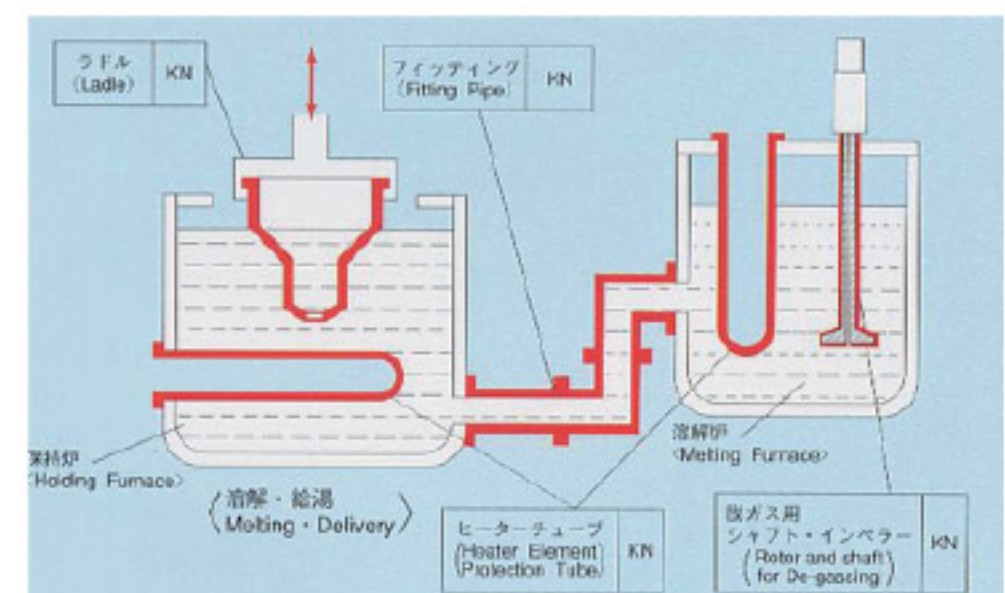
### ■ Fitting pipe (KN)

Fitting pipes are used to supply molten aluminum to the holding furnace from the melting furnace. Using Kubota's unique joining method, L-shaped and T-shaped components can be produced.



### ■ Ladle (KN)

In squeeze casting, the molten aluminum is supplied through the ladle show above. Kubota ladles have good thermal shock resistance and provide stable performance for a greater period of time.







## KUBOTA Ceramics for Molten Aluminium

### Die Casting / Squeeze Casting



#### ■ Shot Sleeve (MC/MI)

Kubota high performance shot sleeves have insulation properties, and are manufactured by HIP process. MC type and MI type are available. MC sleeve has high anticorrosion resistance against molten aluminum, and MI sleeve is easy to handle. Both type of sleeves have high insulation property, so than they could make a contribution to the quality improvement of aluminum casting products.



#### ■ Die Sleeve (MC)

MC offers superior insulating properties to the die sleeve shown above. This technology may be utilized in various die casting processes, including low and high pressure die casting.



#### ■ Pipe (KN)

KN can be applied to various kinds of pipe including gas injection pipe.

