HK 214 Heater-Cooler Assembly for extrusion machines

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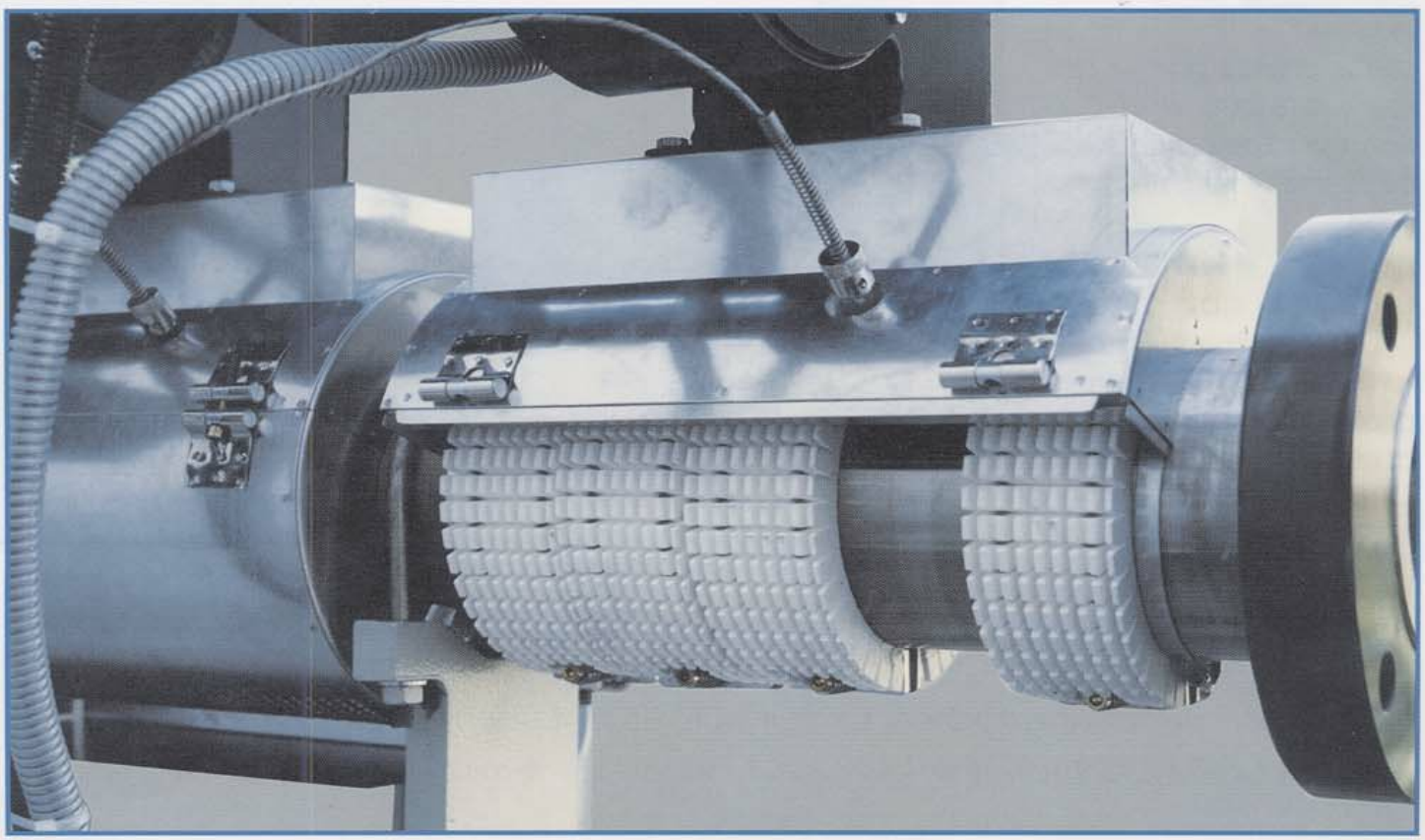
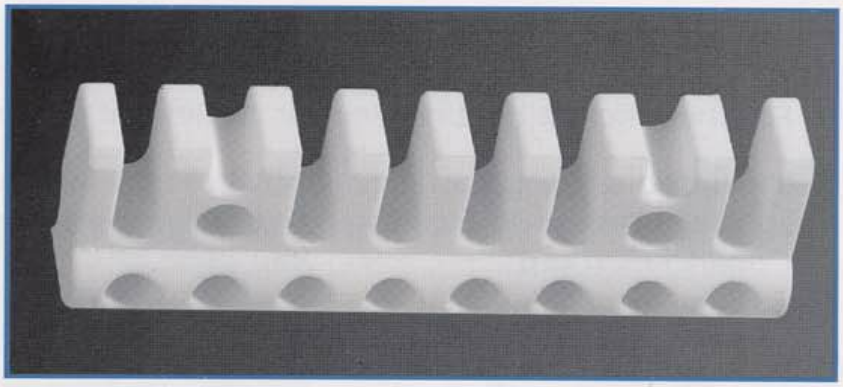
- For the efficient heating and air cooling of extruder barrels
- Increased cooling capacity is achieved by increasing the surface area of the barrel with specially designed Heating Cooling Elements
- The elements themselves ar made from highly conductive ceramic material in a special ribbed design
- Fast delivery of complete units from 60 mm to 300 Diameter without extra tooling costs
- Suitable for use at high temperatures
- Easily fitted due to simplicity of construction

- Uniform barrel temperature is possible because the entire surface area of the barrel is used for the heating-cooling process therefore less wear on screw and barrel
- The units are available with inbuilt insulation 25 mm thick.
- Delivery complete with a metal housing incorporating the flange for the cooling fan and electrical connection box.



Ceramic Ribbed Heating-Cooling Blocks

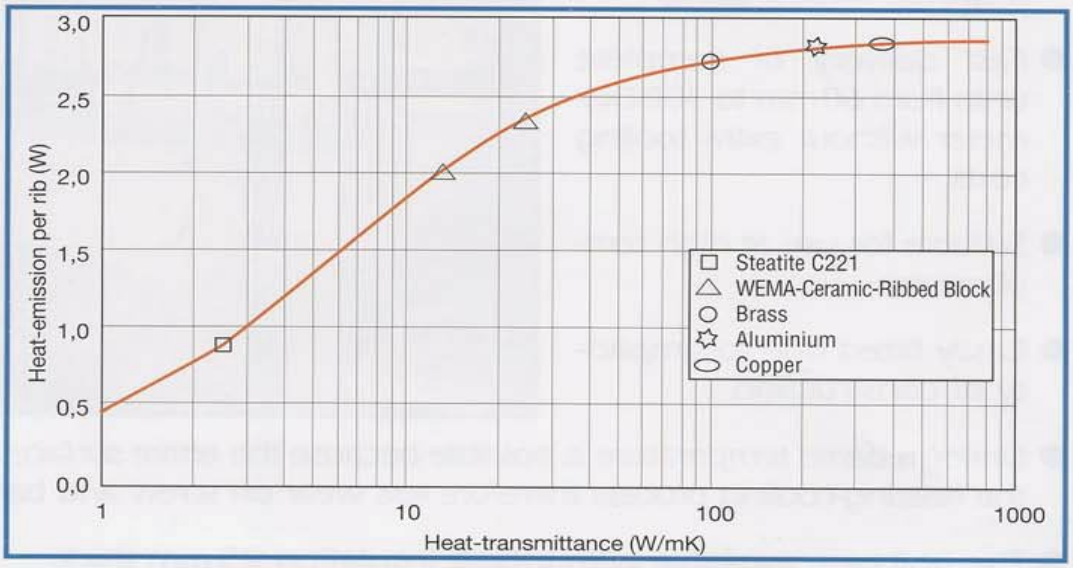
With the new development of this Ceramic Ribbed Block System we have succeeded in producing a Heater-Cooler Unit which has many technical advantages compared to other systems.



The new system achieves increased cooling by using ribs which are fitted to the rear side of the ceramic knuckle heating element.

Because of the high thermal conductivity of the special ceramic material a very high cooling performance can be achieved.

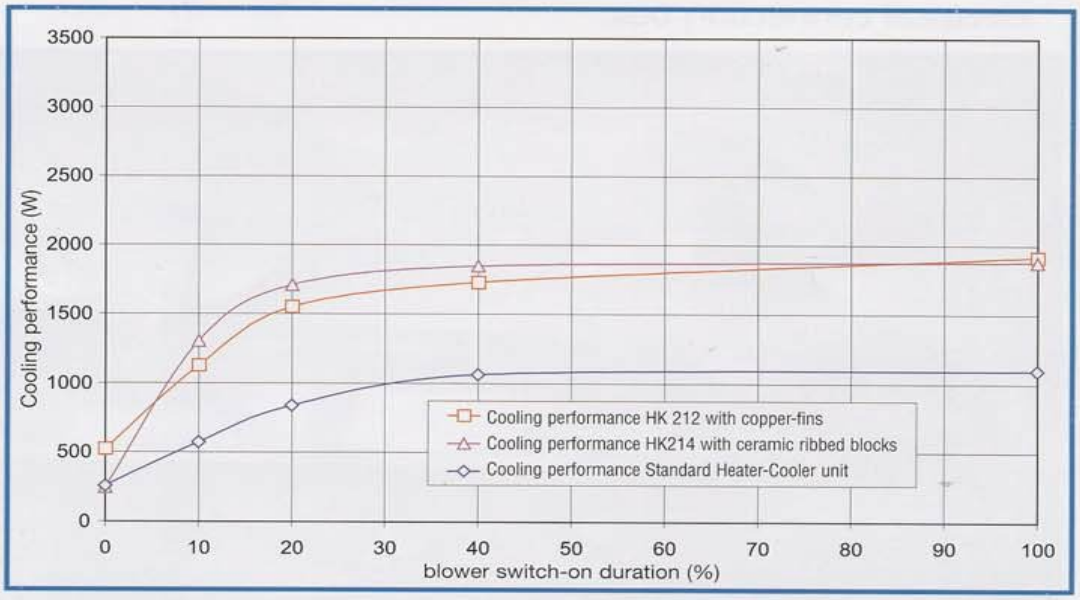
The ceramic knuckle heating elements are of normal construction and are secured to the machine barrel by stainless steel straps.



Heat emission per rib for one block with the use of various materials

These are used in conjunction with a metal housing with in-built air ducts which give a uniform distribution of cooling over the entire surface of the machine barrel.

Because the HK 214 units do not contain metals such as Aluminium, brass or copper, problems with oxidation can be avoided.
The units can be offered at very competative prices.



Dependence of cooling performance on blower switch-on duration