

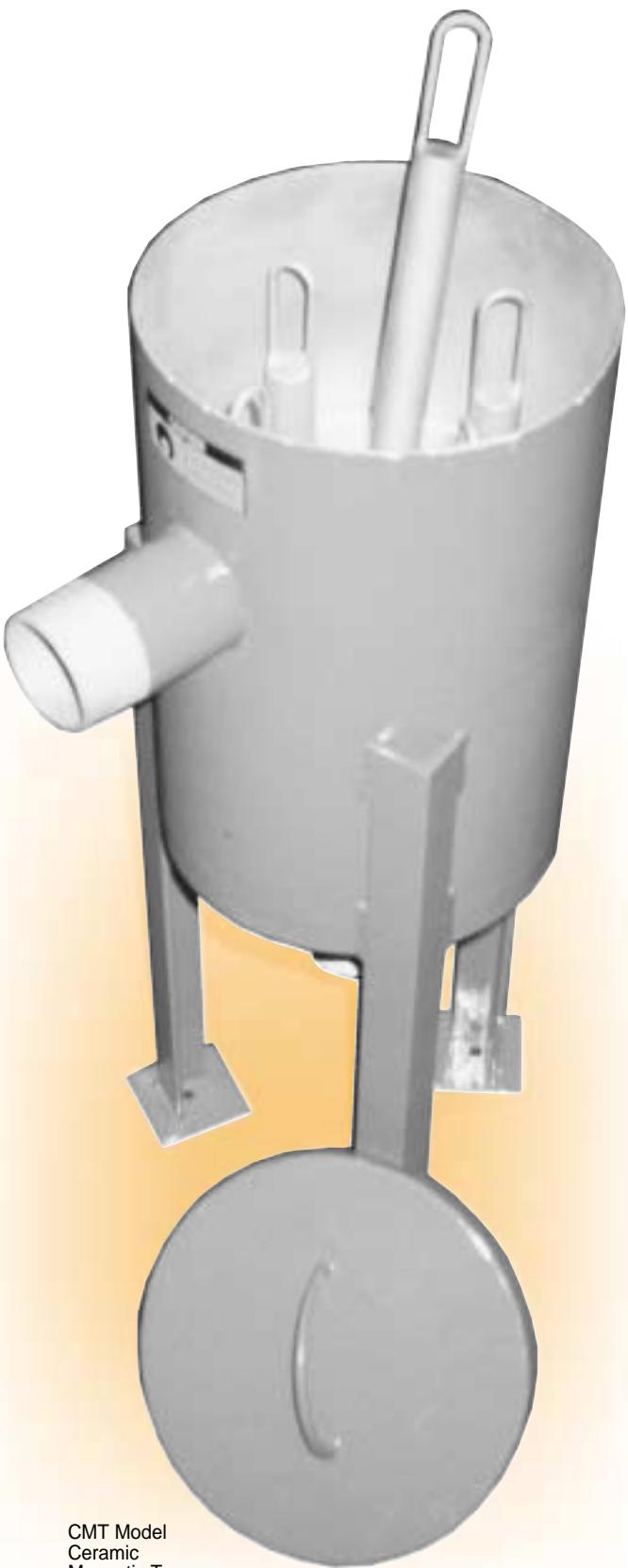
CERAMIC MAGNETIC TRAP

CMT Models



The Eriez Ceramic Magnetic Trap has been designed to optimise iron removal from ceramic slurries.

The unique Ceramic Trap is part of an extensive range of magnetic equipment that Eriez supplies to the ceramics industry.

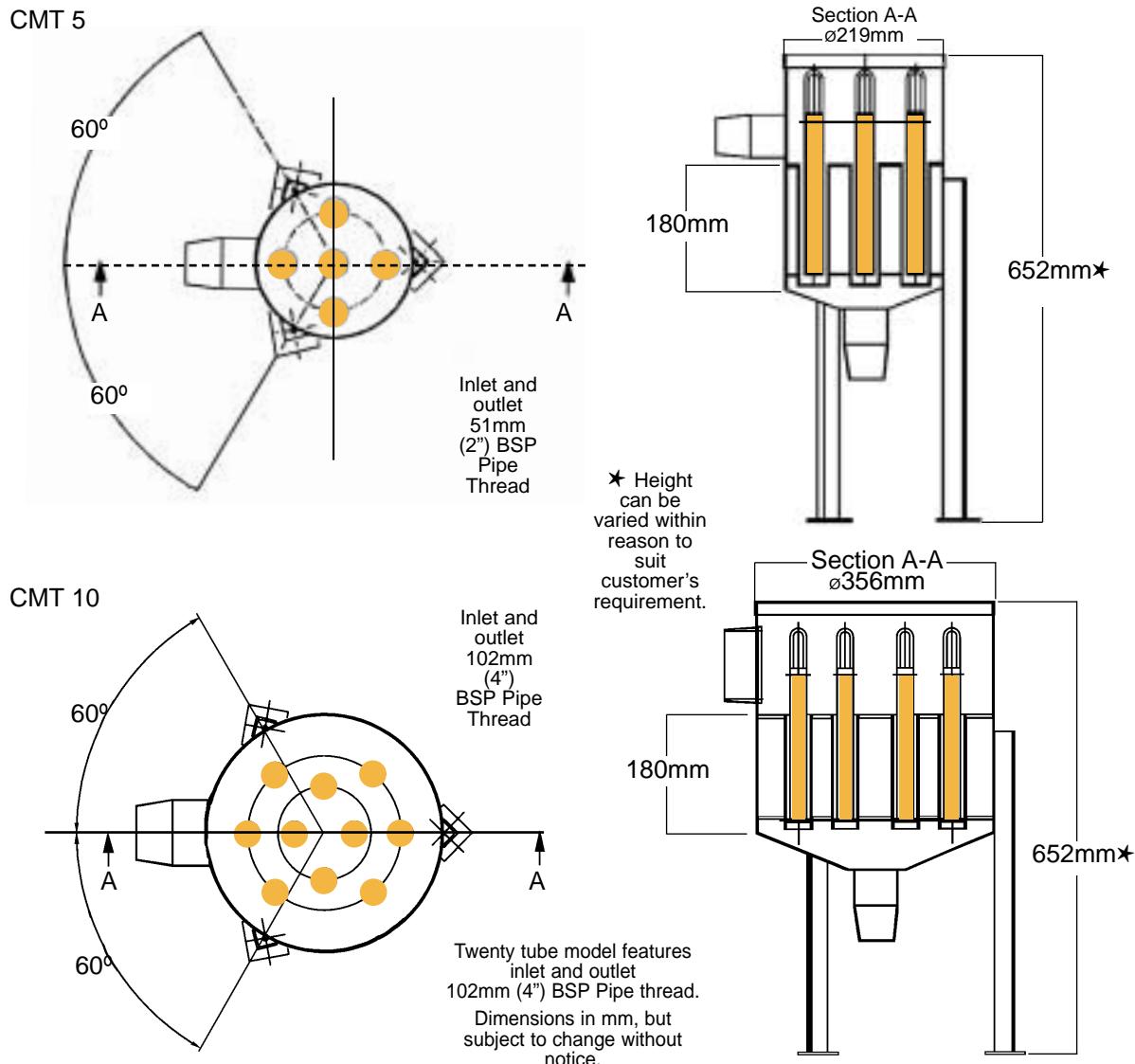


CMT Model
Ceramic
Magnetic Trap

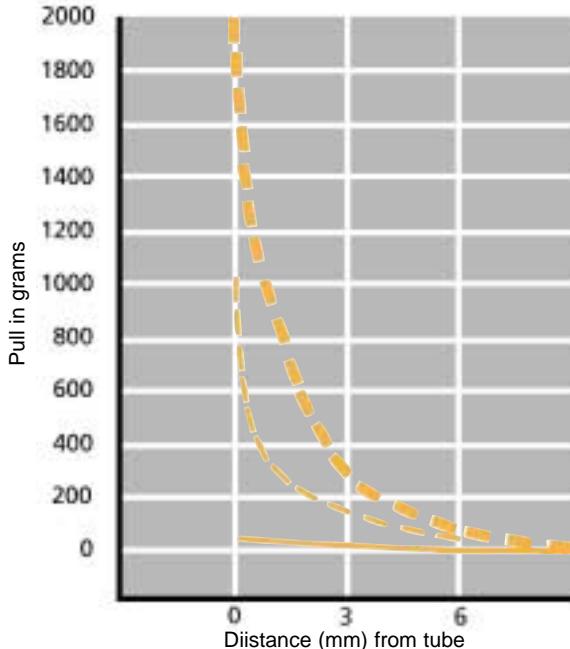
Features

- The Ceramic Trap is designed to remove fine and coarse iron from ceramic glaze.
- The design enables the separation of tramp iron, fine iron and stainless steel that has been introduced from the abrasion of process equipment.
- The system incorporates high intensity, Rare Earth magnetic tubes in a unique configuration. The Rare Earth magnetic tubes have magnetic field readings of between 9,000 to 10,500 Gauss.
- Five, ten and twenty tube models available depending on throughput requirements.
- The unique design allows ceramic material to be gravity fed from the top or pumped up from the bottom.
- Can be installed at many locations:
 - prior to spray drier
 - prior to screening
 - recycling glaze lines
 - prior to glaze spraying.
- The units are being used extensively throughout Europe.

CERAMIC MAGNETIC TRAP



Tube Magnet Pull Analysis



Benefits

- By improving the removal of iron, the number of product rejects is reduced.
- The Ceramic Trap is proven to provide better iron separation than systems such as standard magnetic traps and small electromagnetic filters.
- Despite enhanced separation, the cost of the Ceramic trap is lower than standard systems.
- Simple and cheap to install.
- Easily removable magnetic tubes ensure that cleaning of ferrous contamination is quick and simple.
- Can be easily moved from one location to another.
- Option to modify design to increase Trap size and number of magnetic tubes for larger throughputs.

— Ferrite Tube 1500 Gauss
 - - - Standard RE Tube 6000 Gauss
 - - - - Mega RE Tube 10500 Gauss

Pull tests undertaken using a 6mm diameter ball and spring balance.

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