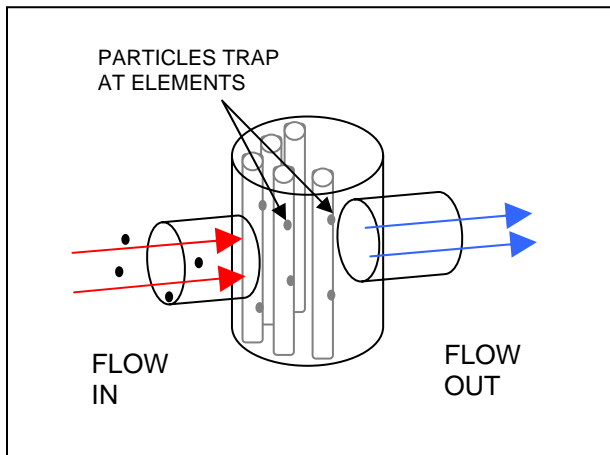


## PIPELINE FERROUS TRAPS

**EMNIN** has designed and developed a range of pipeline ferrous traps in response to a demand for pure iron-free liquids such as ceramic slips and glazes, ball clay, printing inks, paint products, liquid enamels, lubricating and cutting oils, chemical solutions and various other liquid products and slurries.

- *Protect and enhance the life of pipelines.*
- *Assure purity of the end product by removing fine particles such as scale, oxides and fine iron contaminations.*
- *Other benefits such as preventing pumps from jamming, reduce damage and maintenance to mixers, refiners, filters, pumps and other processing equipment.*

The ferrous trap employs a slip-in cage of stainless steel magnetic elements. The magnetic element tubes within the trap device catch the tramp and fine iron contamination in a product as it flows through the processing line. As the particles collect, they migrate to the rear of the tubes where they remain protected from washing off until the tubes are cleaned. Having a top access by a bolt-on steel plate and seal, the ferrous trap is easy to clean. Simply remove the top, lift out the magnet cage, wipe clean and re-install. The pressure drop through the unit is no more than that of a 90°C elbow.



Pipe Size	Model	Capacity/Flow	No. of rods
2"	EMT 2 RE	1 – 64 gpm	6
3"	EMT 3 RE	65 – 132 gpm	6
4"	EMT 4 RE	133 – 364 gpm	6
6"	EMT 6 RE	360 – 700 gpm	7

*\* Pipe size not stated above is deliverable on request.*

### Specifications:

MAGNETIC ELEMENTS : Magnets encapsulated in Stainless Steel 304 casing.  
MAGNETIC STRENGTH : 8000 – 10000 gauss  
MAIN HOUSING : Stainless Steel 304.  
FLANGES & COVER : Stainless Steel 304 with cast steel standard flanges.  
OPERATING TEMP. : 80°C – 120°C  
OPERATING PRESSURE : Min 150 psi