

## Brain **Phoenix** Pre Conditioning & Screening System

### Why use Pre Conditioning & Screening ?

The most important thing in treating volumes of product is to maintain a consistent feed that has been pre conditioned and screened. The Brain Phoenix system has been developed over decades of tank cleaning to represent a Swiss army knife allowing multiple processes to be undertaken on the inlet product.

This allows screening, cutting, separation & segregation of difficult to handle sludges & liquids before they move on to the next stage of treatment / storage. This may be bio side, electrolysis, dissolved air floatation, evaporation etc. that we supply as desired.



Watch the video at [brain-associates.com](http://brain-associates.com) you tube

### Design Features

- 5mm to 2 micron wedge wire screening capability.
- Inlet chamber with sparge mixing system allowing the introduction of Air, Steam or additional blending products.
- External Connections to allow ancillary systems attachment.
- 60m Steam Coiling heating system
- Adjustable debris shoot
- Outlet product can be pumped back to the clients storage facility or re used as a motive liquid to bring further solids back through the phoenix.



### Specification

<b>Length Width Height:</b>	4m x 3m x 4m
<b>Weight:</b>	2400kgs
<b>Capacity:</b>	17,000 liters
<b>Material:</b>	Mild or Stainless 6mm
<b>Inlet Outlet:</b>	ANSI 4" Knife gate valves
<b>Process Capacity:</b>	up to 100m <sup>3</sup> / hour (Product dependent)