

J1 - Macipump Mounting Toe

Specialist Fabrication

Locates Macipump and allows mounting to vessels, tanks and hoppers.

CAPACITY:

To suit Macipump selected.

Fabricated toe that ensures optimal performance of the Macipump and allows good maintenance / clean out access.

The toe allows undesirable items such as debris and stones to settle out for removal.

It is recommend that all Macipumps are mounted on a toe for optimal performance.



J2 - Solids Conditioning Tank

Specialist Fabrication

Allows process solids to be presented to Macipump(s) in a controlled manner.

CAPACITY:

To suit process medium solids and Macipump(s) selected.

Fabricated tank designed to ensure process solids with wash water are presented to the Macipump in the most efficient manner.

Also allows settlement out of undesirable items such as debris and stones.

Grit settlement can also be incorporated on the inlet to the tank. Suitable for multiple Macipumps.



J3 - Flow Distribution Tank

Specialist Fabrication

To allow flow distribution of macerated effluent and settlement of grit.

CAPACITY:
16 - 96 l/s.

A conical tank providing multiple inputs, independent outlets and grit discharge port.

Macerated effluent is pumped into the tank and internal features allow denser grit material to settle out whilst allowing suspended matter to pass to outlet ports for further processing.

Multiple inputs are made into the tank which then can be distributed to selected outputs via control valves.



J4 - Inlet with Integrated Bypass Channel

Specialist Fabrication

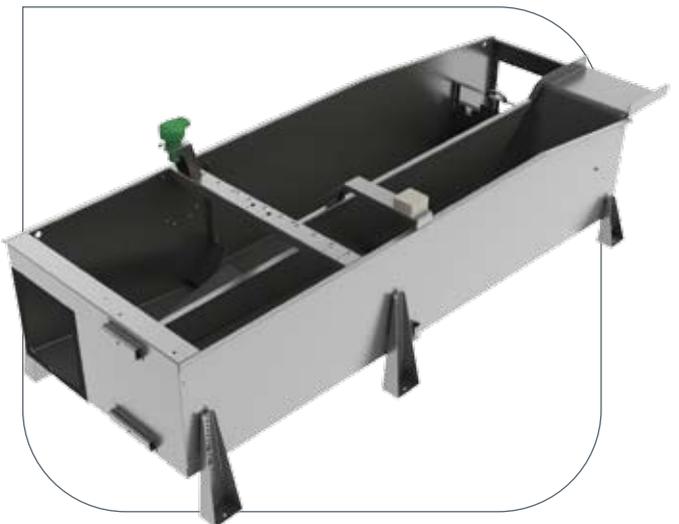
Allows ACE Brush Screen and ACE Bandscreen to be incorporated into fabricated inlet works.

CAPACITY:
4 - 250 l/s.

Fabricated inlets and bypass channels with flanged inlet and outlet connection to allow ACE Brush Screen and ACE Bandscreen to be mounted in pipeline installations.

Bypass channel incorporates a hand raked screen.

Hydraulics pre calculated and pre tested.



J5 - Inlet Hopper for Solids

Specialist Fabrication

To allow process medium to be fed to the Macipump in a controlled fashion.

CAPACITY:

To suit process medium and Macipump selected.

Fabricated hopper to suit specific applications.

Fixing directly onto Macipump mounting toe and ensuring that process medium is correctly fed to the Macipump.



J6 - Manual Stone Trap

Specialist Fabrication

Trap to collect stones and coarse grit for manual removal.

CAPACITY:

2 - 150 l/s.

Designed for pipeline installation with flanged inlet & outlet connections. Effluent velocity is slowed down as it passes through the box dropping out stones, coarse grit and some process solids. These are periodically raked up a slope out of the box for disposal.



J7 - Launder Channel Stone / Grit Trap

Specialist Fabrication

Automated trap to collect stones and coarse grit contained within process solids.

CAPACITY:
2 - 40 l/s.

Designed for launder channel installation with flanged inlet & outlet connections.

On entering the fabrication the flow can be directed to either of two channels, the main channel which incorporates an actuated penstock and a bypass channel, used whilst the grit removal process is taking place.

Grit settles in the trap as the flow passes over it, then periodically the grit is removed by closing the penstock and diverting the flow around the bypass. Water is introduced into the trap to float off any solids entrained with the grit before opening an actuated valve on the base of the trap to discharge the grit.

The valve then closes, the penstock opens allowing the flow through the main channel and completing grit removal process.



K1 - Structural Steelwork

Access Platforms and Support Steelwork

To elevate plant where appropriate and provide safe access and egress.

CAPACITY:
To suit Haigh process plant range.

SPECIFICATION OPTIONS:
Galvanised Mild Steel
Stainless steel
GRP (Glass Reinforced Plastic)
Combination of above.

Structural support steelwork and access platforms can be provided in galvanised mild steel, stainless steel and GRP or combinations thereof to provide safe access and egress to the plant for operation and maintenance activities.

