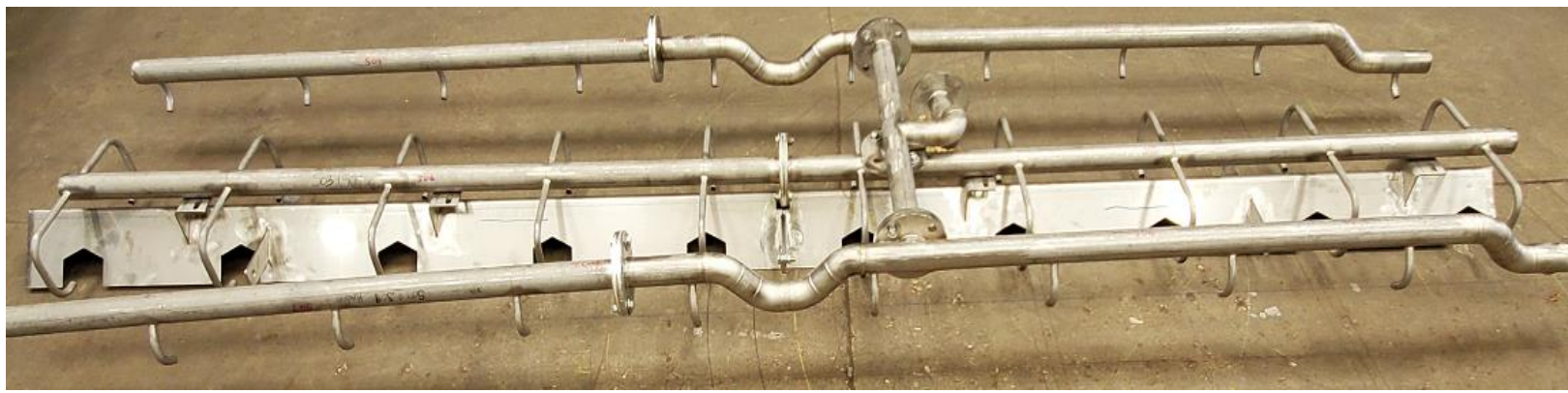


# Sand Jet System

# Sand Removal



Sand Jetting systems remove solids that have been deposited in the bottom of a separator. They fluidize the solids by use of pressurized water introduced through spray nozzles and remove the slurry through drain nozzles in the bottom of the separator. During cleaning there is no need to depressurize the separator or even stop production.

AMACS Sand Jet System consists of headers, fluidization nozzles, transportation nozzles, and sand pan. Water flows through the piping system towards a series of spray nozzles. As the water sprays through these nozzles, it fluidizes the sand, and the transportation nozzles push the now sand slurry into the sand pan openings where it travels towards the drain nozzle.

The system can be designed to flush the complete length of the vessel at the same time or if the water supply is limited, the system can be sectioned to flushing smaller length.

### Advantages:

- Remove sand build-up
- Prolong life of separator
- Helps maximizing separation efficiency
- Online cleaning
- Less water requirements

### Applications:

- Production and test separators
- FWKO drums
- CPI
- Inlet separators
- Most liquid/liquid separators where sand is an issue

