

Side Stream Filtration

GTPL offers Side Stream Filtration System for removing suspended solids from the recirculating water. This water is pressure fed in pressure vessels containing sand as filter media. This system is offered in both horizontal and vertical configuration.

- Differential pressure transmitter with local differential pressure indication is used to measure the difference of pressure in the filtration system, i.e., between inlet and outlet of each filter and decide the initiation of backwash cycle for the filter.
- Pressure indicators at the inlet and outlet of each side stream pressure filter
- Backwashing of each compartment of filter is done by water and air scouring is done by Plant air. Necessary butterfly valves for flow control and pressure control valves are provided.
- Pressure reducing valves as required is provided in backwash water lines and on plant air supply line.
- A PVC / HDPE V-Notch/Orifice board in the drain sump for backwash flow measurement.
- Flow measurement with local indication at the inlet of each pressure filter by providing a flow instrument FE-FT-FI.
- Flow measurement at the common inlet header of pressure filters by providing a flow instrument FE-FT-FI.
- Complete piping and valves, fittings including piping for air scouring, pressure relief, vents, etc
- All instruments for filtration system including all Pressure Indicator, PDT-PDI, FE-FT-FI, Pressure Safety Valve, Pressure Control Valve, etc.
- Platform and ladder for approach to PSV and Manhole of each filters.

Chemicals, Consumables and Spares are also provided.