

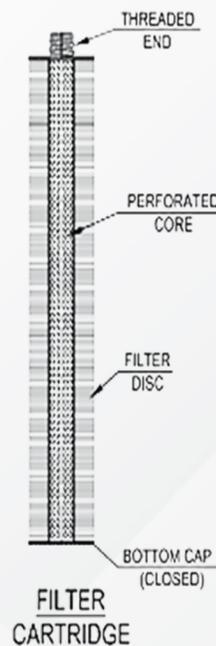


SS FILTERS PVT. LTD.  
THE TRUST FOR PROCESS FILTRATION !!

- **Purpose & Application:** The Auto-back washable filter (REDF) is designed for chemical reaction's where salt precipitates or activated carbon powder or catalyst is used
- **System Components:** The REDF system consists of a filter housing, filter candles, and necessary instrumentation for operation and monitoring.
- **Material Options:** Filter housings are available in SS 304, SS 316, SS 316L, Duplex, Hastelloy, or with PTFE coating/lining to handle various corrosive chemical environments.
- **Unique Filtration Technology:** Unlike traditional systems, REDF uses radial flow filter candles, where the feed flows radially across the membrane surface, enhancing filtration efficiency.

# The Next-gen Auto-Back washable Filter

## Radial Edge Disc Filter (REDF)

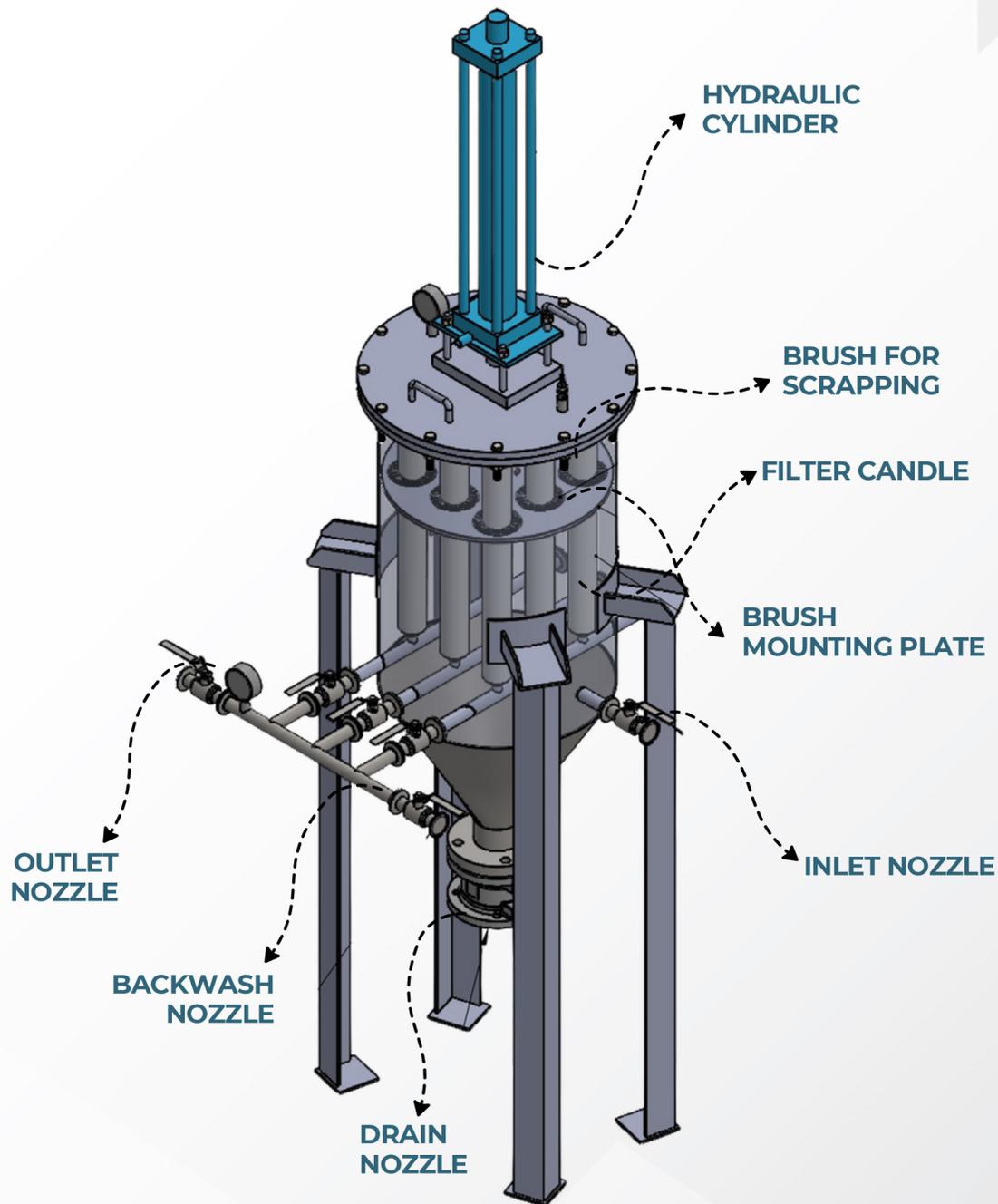


### Features & Benefits:

- Zero manual labor as no need to open filter housing.
- Hi-Flow powder is not required for filtration
- Operational cost comes down to zero.
- Dry cake discharge is possible.
- Long service life of filter candles.
- Complete auto backwash.
- Customized designs as per requirements

### Applications:

- API
- Activated Carbon Filtration
- Catalyst Regeneration Processing
- Chemicals Petrochemicals
- Solvent Recovery
- Beverages Purification



## Operation:

- Contaminated fluid enters through the inlet connection.
- It passes through the filter element where filtration takes place in an outside-to-inside direction.
- Contaminants of the stipulated micron size are captured on the outer surface of the filter element and clean fluid exits through the outlet nozzle.
- Once the system senses the preset differential pressure or after batch completion, the brush mounting plate and drain valve are activated initiating the filter element cleaning process.
- Depending upto application demand for back purging medium like compressed air, nitrogen, solvents & water can be used.