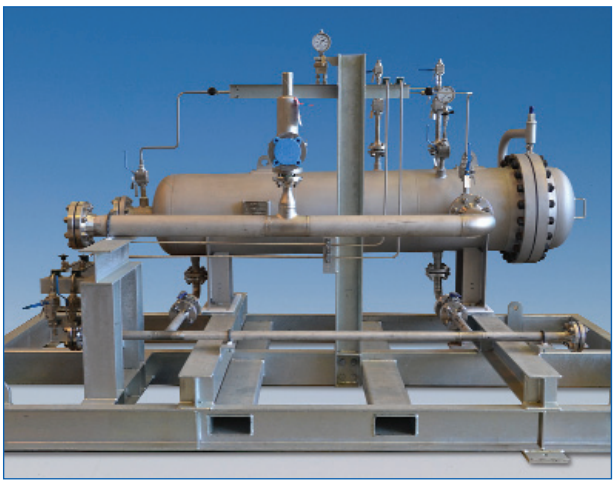
Pall Corporation

High Flow Filtration Technology Available as a Rental Skid: 4 and 7 Element Vessels

Description

For more than 70 years Pall Corporation has been solving complex contamination problems across the refining, petrochemical and oil and gas industries. **By applying our advanced filtration and separation technologies** directly to the problem, we're able to help operators reduce maintenance costs and minimize unscheduled shutdowns. Our High Flow Filtration platforms are proven to **efficiently filter contaminants from a wide variety of process and product streams**, which can cause a multitude of costly operational and fluid quality problems.



4 Element High Flow filter rental skid

Features

- Fully valved and piped on skid (clean and dirty side vents and drains)
- PSV connection and pressure safety valve
- Local differential pressure gauge
- Full bore flange with lifting davit
- Integrated, valved fluid sampling panel for influent and effluent samples
- Filter vessel complies with ASME Code, Section VIII, Div. 1
- 4HFH skid: Maximum hydraulic flow capacity 454 m^3/hr (2,000 USGPM) (68,500 bbl/day)
- 7HFH skid: Maximum hydraulic flow capacity: 795 m^3/hr (3,500 USGPM) (120,000 bbl/day)
- Single-point lifting with sling; lifting points at four corners of skid
- Fork lift slots for portability

Design Specifications

- Mobile skid dimensions (L x W x H): 3.85 m x 2.4 m x 2.02 m. Can be shipped via standard flatbed truck.
- Skid Weight Dry:
  4HFH skid: 1800 kg
  7HFH skid: 2400 kg
- Vessel mechanical design: ASME Code, Section VIII, Div. 1 with 33 barg -40°C/+110°C & FV
- Piping design: ASME B31.3
- Filter vessel: one each, Pall Ultipleat® High Flow. Accepts four or seven, 15.24 cm (6") diameter x 152.4 cm (60") long elements per vessel
- Inlet/outlet:
  4HFH skid: 10 cm (4"), #300 RFWN flange
  7HFH skid: 25.4 cm (10"), #300 RFWN flange
- ASME VIII code calculations, MDR, general arrangement, P&ID and lifting drawings available

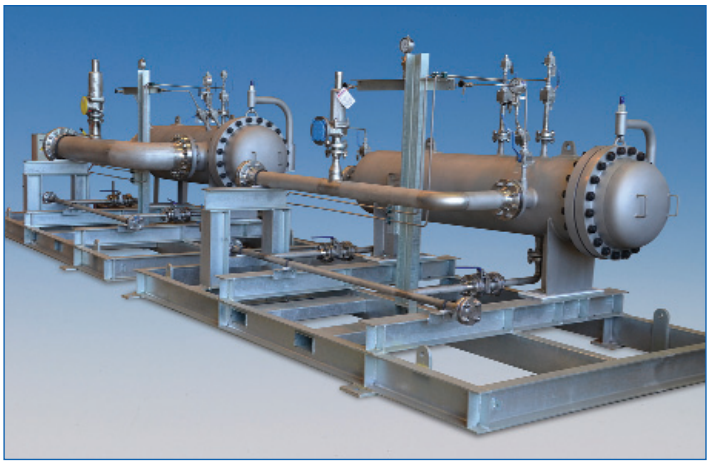
Materials of Construction

- Skid base: carbon steel (hot dip galvanized)
- Filter vessels and piping: 316L stainless steel
- Housing closure gaskets: 304 SS inner ring and CS outer ring/Grafoil[1]

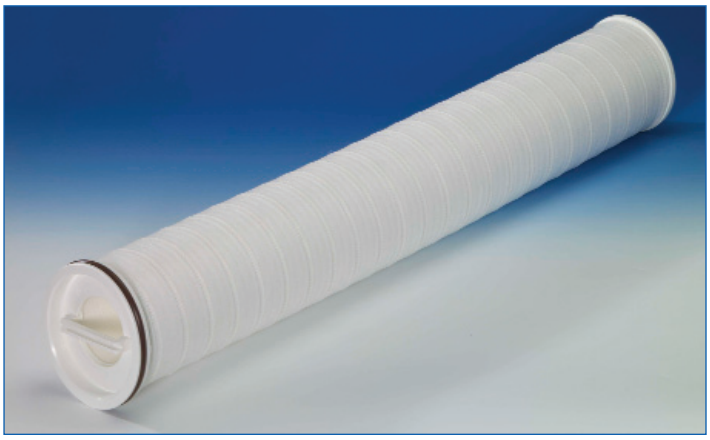
Typical Applications

- Remove particulate contamination from:
  - feedstocks to protect catalytic reactor beds
  - condensate, naphtha, LPG, gasoline, diesel, kerosene, and jet fuel final products
  - many other contaminated products that can be found in a variety of storage tanks in a plant or fuel terminal
  - amine solvents inventory cleanup
  - glycol
  - aromatic extraction solvents
  - heating medium (hot oil)
  - sour water
  - make-up water
  - produced water
- Prefiltration for liquid/liquid coalescer
- Water injection/EOR
- Lube oil base stock
- RO membrane pre-filtration

[1] Grafoil is a registered trademark of Graftech International

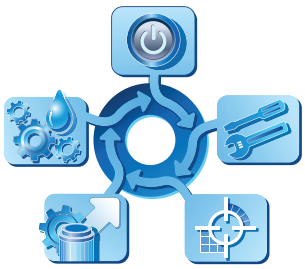


4 and 7 Element High Flow filter rental skids (closure view)



Ultipleat High Flow filter element

Protect. Renew. Optimize.



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