Pall Corporation

High Flow Filtration Technology Available as a Rental Skid: Duplex 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 and reliably filter contaminants from a wide variety of process and product streams**, which can cause a multitude of costly operational and fluid quality problems.

Features

- Duplexed unit – can operate in one-on/one-standby or parallel modes
- Maximum hydraulic flow capacity of 795 m^3/hr (3,500 USGPM) (120,000 bbl/day) per vessel
- Fully valved and piped on skid (inlet/outlet, clean and dirty side vents and drains)
- Spare ports for vessel flushing and PSV connections
- Local differential pressure gauge
- Davited full-open closures
- Integrated, valved fluid sampling panel for influent and effluent samples
- Complies with most refinery mechanical specifications
- NACE compliant for sour service
- Single-point lifting with sling; lifting points at four corners of skid
- Fork lift slots for portability
- The frame on all skids is totally boxed in on all sides and bottom to provide spill containment

7-Around Duplex High Flow filter rental skid (side view)[1]

Design Specifications[2]

- Mobile skid dimensions (L x W x H): 4.97 m (195.5 in) x 2.16 m (85 in) x 2.33 m (91.7 in) Can be shipped via standard flatbed truck.
- Skid Weight: Dry – 6917 kg (15,250 lbs), Full of Water – 8346 kg (18,400 lbs)
- Vessel design: ASME Code, Section VIII, Div. 1 with CRN for Canada; 31 bar (450 psig) and FV @ 149°C (300°F)
- National Board Number
- Piping design: ASME B31.3 Process Piping Code for 31.03 bar (450 psig) @ 149°C (300°F)
- MDMT – 40 F
- Filter vessel: two each, Pall Ultipleat® High Flow. Accepts seven, 15.24 cm (6 in) diameter x 152.4 cm (60 in) elements per vessel
- Valving: 20.32 cm (8 in), 136.08 kg (300 lb), equipped with full port gate valves
- Inlet/outlet: 20.32 cm (8 in), 136.08 kg (300 lb) RFWN flange
- Full history dockets, code calculations, dimension and connection drawings available

[1] Pictures shown are for illustrative purposes only. Actual product may vary due to product enhancement.

[2] For complete details, request a design package.

Materials of Construction

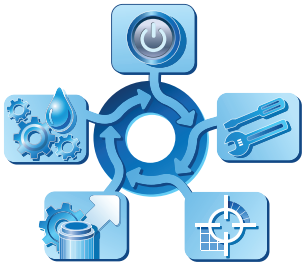
- Skid base: carbon steel (hot dip galvanized)
- Filter vessels and piping: carbon steel, primed and epoxy coated exterior
- Inlet/outlet valves: 300 lb, OS&Y outside stem and yoke, 316 stainless steel flexible wedge, full-port gate style
- Housing closure gaskets: 304 SS inner ring and CS outer ring/Grafoil[3]

Applications

- Remove particulate contamination from:
  - feedstocks to protect catalytic reactor beds
  - LPG, gasoline, diesel, and jet fuel final products
  - many other contaminated products that can be found in a variety of storage tanks in a plant
  - amine (rich and lean)
  - aromatic extraction solvents
  - dehydration solvents
  - sour water
  - make-up water
- Prefiltration for liquid/liquid separations

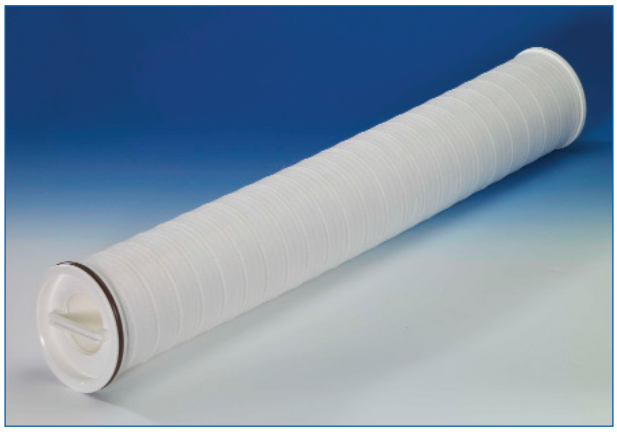
[3] Grafoil is a registered trademark of Graftech International

Protect. Renew. Optimize.



For immediate assistance, please contact NAfleetmanager@pall.com

7-Around Duplex High Flow filter rental skid (closure view)[1]



60 in Ultipleat High Flow filter element

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