

# Filtration Equipment

Dual Vessel Fluid Filtration Unit

ISO 9001 Certified

## General Description

The Mitchell Dual Vessel Cartridge Filtration Unit is recommended for filtering completion brines, gravel pack fluids, produced water, and stimulation fluids. The unit allows for continuous fluid filtration with one vessel, while the spent cartridges in the second vessel are replaced. This skid mounted unit is equipped with forklift pockets and lifting eyes, and has built-in storage for the charge pump and fittings. The unit also provides intake/discharge connection points on two sides, making placement and rig up very easy.

Filter Element Specifications	
Standard Elements:	636-05 / 636-10
Filter Media:	Pleated Cellulose
Element Core/Body:	Tin Plated Steel
Dimensions:	6" O.D. x 3.5" I.D. x 36" L
Elements per vessel:	4
Max. Flow Rate:	11.44 bbls/min
Max. Temperature:	240 F
Collapse Pressure:	75 PSI
Cartridge Chage Out:	25 PSI Differential
Note: Other filter elements available upon request.	

## System Design Features

- Standard parallel and bypass configurations
- Entire unit constructed of stainless steel
- Skid mounted with forklift pockets and lifting eyes
- Inlet/outlet pressure gauges
- Equipped with safety pressure relief valves
- Innovative easy lift / swing away vessel lids
- Swing-bolts and nuts for quick opening
- Integrated safety railing, ladder, and service platform
- System includes charge pump, hoses, and fittings
- 3" and 4" valve/connection designs
- Easily operated by rig personnel
- Robust frame with 2 layer epoxy coating
- Environmentally safe - no contaminated fluids on the ground
- Equipped with air lines and drain lines, allowing each vessel to be drained back into the rig/frac tank



## Applications

- Gravel Pack fluids
- Completion fluids
- Workover fluids
- Water injection
- Produced water
- Frac fluids

## Filtration Advantages

- Filter large fluid volumes
- Less disposable waste
- Continuous filtration
- Economical operating costs