

# Mobile Filtration and Storage Systems



**Velcon**  
  
**Systems**

Turn Oil Handling  
Into *Art*

# SKID MOUNTED FILTRATION PACKAGES

FROM *Velcon*®

TURN OIL HANDLING INTO ART

*Art*

Velcon Filters' Systems Department manufactures complete insulating oil filtering plants designed for use on mobile equipment. Whether you require a complete system with oil storage and a Wells Cargo trailer, or just the oil filtering skid itself, Velcon is your premier source for a state of the art oil filtering plant. With optional flow rates ranging from 10 – 50 gpm, the quality of Velcon systems starts with **all stainless tubing** utilizing flared JIC hydraulic fittings for years of leak free service. The systems are then outfitted with all the instrumentation necessary to process used insulating oil to the **highest quality achievable**. Specify your system to be equipped with pre and post filtration so that **Superdri**® Cartridges can be used in the final stage to dry your oil to less than 5 ppm total water in a single pass. These systems can produce high dielectric strength oil to levels of dryness previously only achievable using heat and vacuum technology, and, for a fraction of the cost.



## AVAILABLE OPTIONS AND ACCESSORIES

### OPTIONAL VOLTAGE REQUIREMENTS

- 115 VAC, 1 ph, 60 Hz (not available on 30+ GPM systems)
- 230 VAC, 1 ph, 60 Hz
- 230 VAC, 3 ph, 60 Hz
- 460 VAC, 3 ph, 60 Hz
- 575 VAC, 3 ph, 60 Hz
- Also available: 50 Hz, explosion proof, low RPM motor

### RECOMMENDED ACCESSORIES

- Four-way flow reversing valve
- Flow control bypass valve
- Filter bypass valve
- Filter vessel automatic air eliminators
- Flow meter, provides flow rate, batch total and locked total
- High pressure shutoff switch
- Doble *DOMINO*® moisture sensor and display (If using *Superdri*® cartridges)

### OPTIONAL ACCESSORIES

- Hose reels, spring rewind self-retracting
- Ground reel
- Cam and groove connectors for hoses
- Power vessel drain
- On-board generator
- Solar panel (charging generator and/or trailer lights)
- Remote start/stop switch



# FOR TRANSFORMER OIL

## FILTER SYSTEMS

Velcon has over thirty oil filter trailer designs, for both open and enclosed trailers, to choose from. Our standard oil filters systems, such as the SDS20 and HCP30 can also be modified with hose reels and storage tank connections for trailer mounted operation. The most common flow rate is 30 GPM but other flow rates are available. Single or dual filter housing systems are available as requested.



## OIL STORAGE TANKS

Most trailer mounted filter systems utilize on board oil storage tanks. These can be supplied in either stainless steel or aluminum construction. In many cases, dual compartment tanks are used that allow the trailer to be hauled with a separate compartment of new "make-up" oil. While a split compartment, 600 main tank with 150 gallons of make oil is the most common tank configuration, we can supply these in a variety of different configurations and capacities. Storage tanks are typically equipped with sight glass level indicators, over-fill protection, and manway access.

## TRAILERS

Velcon works closely with Wells Cargo trailer manufacturers to provide a durable, custom designed enclosed trailer to meet your specifications. These trailers can vary in length from 12' to 16' interior dimensions, with the overall length being 16' to 20' respectively. Depending on preferences the trailers normally have full rear access and side door access. Internal lighting, shelving, and other customized options are readily available. Trailer GVWR is normally specified by the customer as are hitch type and brake system. Open type trailers are typically less expensive and normally supplied by the user. Detailed trailer specifications available upon request.



# TRAILER ORDERING CHECKLIST

FILTER SYSTEM	
	Flow rate: _____ gpm
Std	Positive displacement gear pump with built-in pressure relief bypass
Std	TEFC motor
Std	Power requirement: _____V _____ph _____Hz
Std	Digital flowmeter/totalizer
Std	Carbon steel filter housing(s)
Std	Gauge package: compound suction, pump discharge, filter discharge
Std	Drip pan base with forklift slots and lifting lugs
Std	Stainless steel tubing with JIC hydraulic connections
Std	High pressure shut-off switch with alarm light
	Differential pressure gauge(s)
	Single stage filtration
	2-stage filtration - pre-filter & polishing filter
	Automatic housing air vent(s)
	Housing power drain(s)
	Auxiliary oil make-up port
	Power cord
	Power cord reel
	Ground lug
	Ground reel with _____ ft S/S cable (25 ft std)
	Filter bypass line with 3-way ball valve, check valve
	Paddle wheel sight glass
	Flow control bypass line with globe valve
	Full port isolation ball valves
	4-way flow reversing inlet valve
	Power cord - Length: _____
	Remote stop/start pendant with _____ feet cord (25 ft std)
	Doble <i>DOMINO</i> ® Moisture Sensor

HOSE REEL(S)	
	Single hose reel, bonded hose, ball stop, cam connection
	Dual hose reels, bonded hoses, ball stops, cam connections
	Type of rewind: _____spring _____electric
	Length of hose on reel(s): _____ ft

GENERATOR	
	Gasoline fueled
	Diesel fueled

**Note: "Std" indicates standard equipment**  
Contact Velcon for additional features and options.

OPEN DECK TRAILER	
	1/8" steel deckplate floor
	Steel deck plate fenders
	Spare wheel and tire
	Electric brakes with battery and solar charger
	Positive lock ball hitch
	Top crank tongue jack with removeable foot
	DOT safety chains with hooks
	Sealed DOT lights and wiring harness
	Aluminum locking full width tool box
	Adjustable height pintle eye

ENCLOSED TRAILER	
Std	36" curbside door, lockable
Std	Double rear doors, lockable (std)
Std	Front aluminum stone guard (std)
Std	12 volt dome light (std)
Std	14" x 14" roof vent with screen (std)
Std	Spare wheel and tire (std)
Std	DOT lighting package (std)
	Adjustable height pintle eye
	Positive lock ball hitch
	Electric brakes with battery & solar charger
	Rear support jacks
	7-way J560 plug and wiring
	Electrical outlets
	Work light

STORAGE TANK	
Std	Manway / cleanout
	Single compartment capacity: _____ gals
	2nd compartment capacity: _____ gals
	Rectangular aluminum construction (std)
	Elliptical aluminum construction
	DOT approved
	Baffled inside to prevent sloshing (std)
	Skid mounted with forklift slots
	Tubular sight glass
	High level float switch
	Drain with ball valve
	Dessicant vent with ball valve (std)



Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your **LOCAL REPRESENTATIVE**:

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