



## EQUIPMENT PROFILE

# Flushing Skid 500 (FS-500)

### FS-500

The FS-500 is a fully integrated skid-mounted flushing and filtration unit specifically designed for quick set up and operation. The unit can provide controlled flow rates from 20 to 500 litres per minute for flushing, chemical cleaning, or filtering operations. This system is ideal for applications where a high degree of cleanliness is required to meet operational or OEM specifications.

### Equipment

The FS-500 comes equipped with a 135,000 BTU per hour electric heating element, a dual seal stainless steel 50 HP pump capable of pressures up to 150 psi, a stainless steel 400 litre

chemical additive tank, and one vertical four-bag filter vessel containing four 7" x 32" high-flow bag filter elements able to meet standards as demanding as 1 micron. The FS-500 is also equipped with stainless steel piping between elements, including a reverse flow manifold and easy access connection points for suction and discharge. An integral vent and drain system allows for easy filling and draining of the skid.

### Capabilities

**Flow Capability:** 20 to 500 litres per minute

**Discharge Pressure:** Up to 150 psig

**Filtration Range:** Down to 1 micron

**Operating Temperature Range:** 5°C to 95°C

**Heater:** 40 KW



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## FS-500 Footprint

	Length	Width	Height	Weight
Single Skid	2.5 m (8' 4")	1.8 m (5' 8")	2 m (6' 6")	6000 lbs (2722 kg)

## Applications

The FS-500 is suitable for both water and oil base applications, and is ideal for any of the following:

- > Lube oil flushing
- > Chemical cleaning
- > High velocity flushing
- > Glycol filtration



## Requirements

The FS-500 is required to either have spill containment underneath or be placed in a berm. Heating and hoarding is required if there is a risk of freezing conditions. The FS-500 requires the following power requirements at maximum duty:

Element	Current	Power
Centrifugal Pump	50 amps	40 kW
Heater	50 amps	40 kW
480V, 60Hz, 3 Phase Power		



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