

MT-30 Filtration Unit

Reference Guide



Proudly manufactured by:
Advanced Superabrasives, Inc.

Why filter coolant?

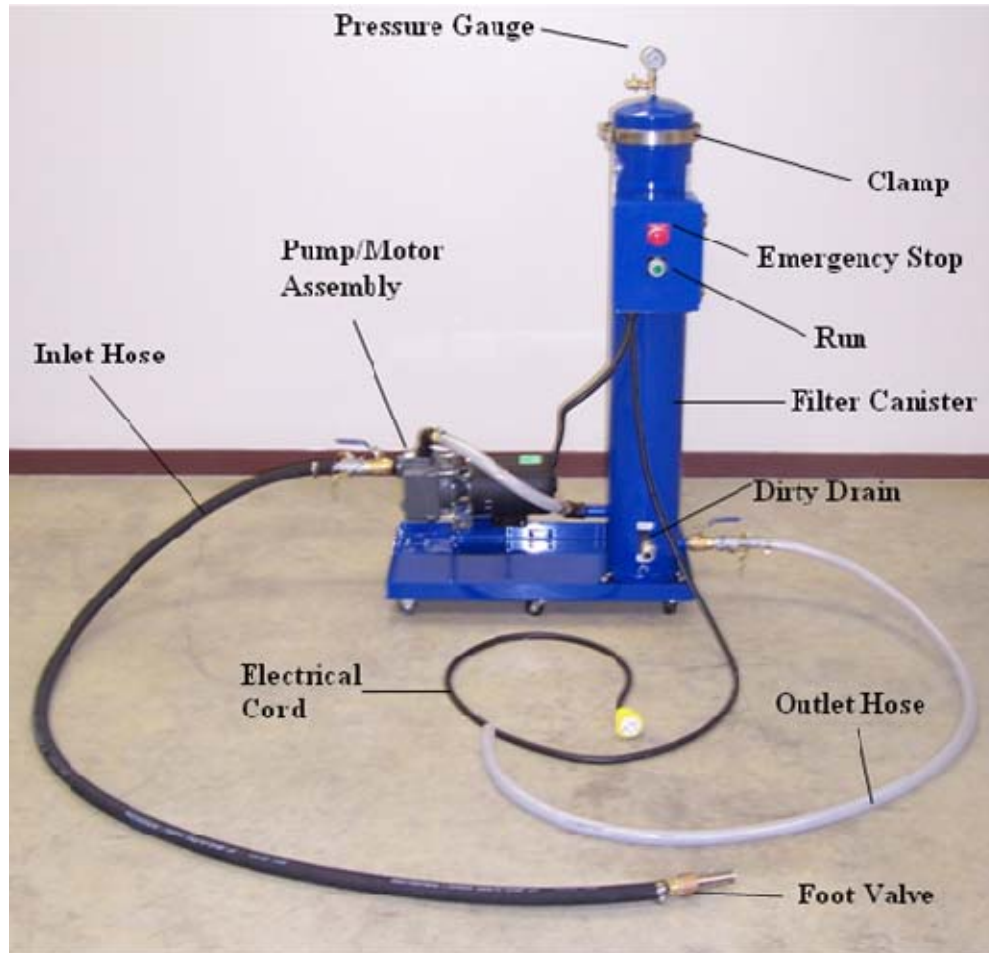
- Extends tool life
- Reduces machine service intervals
- Increases coolant life
- Reduces cycle times
- Decreases machine down-time
- Keeps machine clean

Features

- Self-priming
- Works in oil or water based coolants
- Up to 30 gallons per min (114 L/min)
- Filters available in 1, 3, 5, & 10 Micron
- Electrics available in 240/480v 3 phase or 400v 3 Phase 50 Hz



MT-30 Components



Priming The Pump

- Check direction of pump rotation
- Be sure valves on machine are closed
- Place suction hose in sump
- Turn machine on by pressing green run switch
- If the unit does not prime within 2 minutes, turn off by pressing red emergency stop button, remove suction hose from sump, remove foot valve from hose and fill hose with coolant. Finally replace foot valve, return hose to sump and start unit again.



Changing The Filter



When pressure displayed on gauge reaches 20 – 25 psi or when the flow is noticeably reduced, it is time to change the filter element.

First, turn the unit off by pressing the red Emergency Stop button.



Changing The Filter Cont.



Relieve residual pressure in the filter canister by opening valve.



Loosen the band clamp and remove it. Then Remove the lid.

Changing The Filter Cont.



Remove filter retaining hardware.

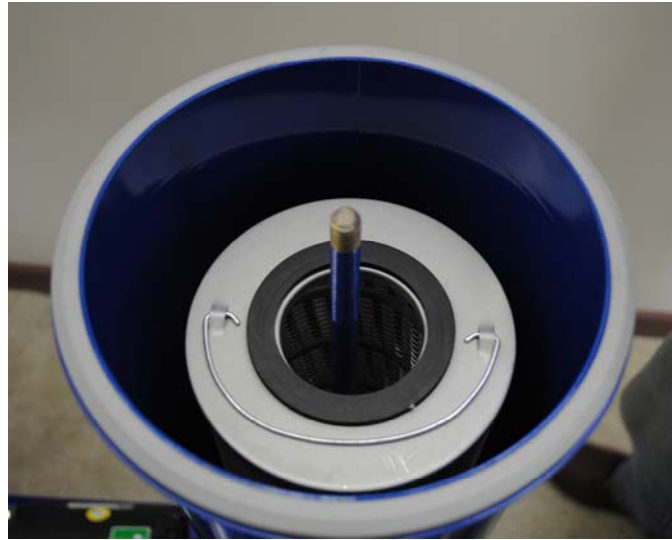
1. Wing Nut
2. Spring
3. O-ring
4. Plastic Spacer

Changing The Filter Cont.

**Remove the old
filter element.**



Changing The Filter Cont.



- **When inserting new filter element, be sure the element is properly seated over the rings at the bottom of the canister. (If element is not seated properly, coolant will bypass the filter element.)**
- **Insert the new filter element and replace the hardware in the order which it came off.**

Changing The Filter Cont.



- Place lid so it is centered over the gasket.
- Replace the band clamp and torque lightly.
- Using a rubber or plastic mallet, **lightly** tap band clamp evenly around its diameter while tightening to seat clamp properly.

The unit is now ready to be put back into operation.

Contact

Feel free to contact us for further information regarding literature or pricing on the MT-30 filtration unit.

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