SPENT MEDIA REWINDER (SMR)

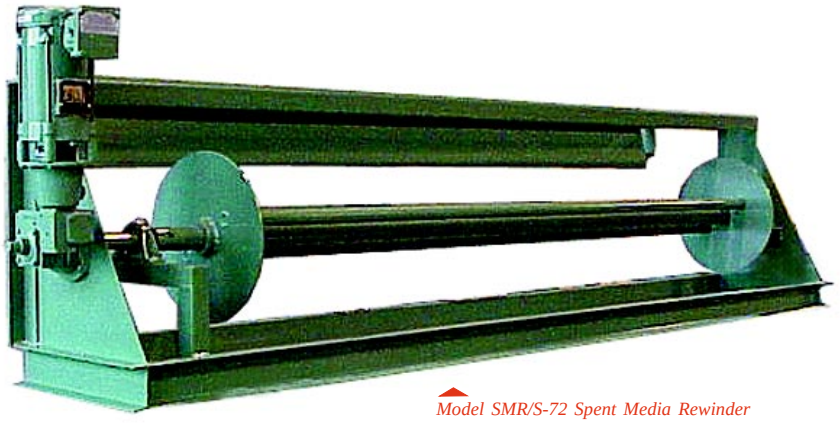
PRODUCT BULLETIN FT 230

FILTRATION WASTE DISPOSAL

RECOVERY OF SPENT MEDIA WITH MEDIA REWINDER AND OPTIONAL SLUDGE SEPARATOR

In the filtration of many oil and oil-water emulsions used in metal working, both gravity and vacuum filters are used to remove the particulate contaminants from the coolant. These filters use a variety of different types of filter media to trap the particulates while allowing the coolant to pass through. As the media becomes blinded with particulates, indexing occurs automatically, which introduces fresh media into the filter, while at the same time discharging spent material out the opposite end of the filter.

The spent media exiting the filter has traditionally been collected in drums, hoppers and corrugated boxes. This method, however, results in collection containers overflowing with spent media, a dirty work area and a less dense package for collection resulting in higher disposal costs.



Model SMR/S-72 Spent Media Rewinder with standard electric drive motor and optional sludge separator.

Optional air drive motor.

EQUIPMENT FEATURES

Standard

- Heavy-duty structural steel construction with built-in drip pan.
- Disposable core design with locking pins for easy disposal.
- ½ HP drive motor with slip clutch for tension control.
- Electrical controls for installation in existing filter control panel.
- Protective paint coating with primer coating and machinery enamel finish coat.

Optional

- Core-free collapsible shaft take-up with locking pins.
- Air drive with up to ¾ HP motor and adjustable tension control.
- Sludge removal doctor blade and sludge collection hopper constructed of hot rolled steel.
- Remote access control panel located at the rewinder.

TYPICAL APPLICATIONS

- **Gravity Filters**
- **Vacuum Filters**
- **Sludge Filters**
- **Liquid Vacuum Filters**
- **Liquid-Air Vacuum Filters**

Model SMR/S-72 Spent Media Rewinder with portable casters, push bar and disposable shaft option.

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MODE OF OPERATION

The Filtertech Model SMR and SMR/S Spent Media Rewinders when installed at the discharge end of a media filter automatically rewind the spent media into a tight roll providing a smaller, more dense package for easier disposal. The media rewinder utilizes an electric or air drive motor to rewind the spent media onto either a collapsible take-up shaft or disposable core. During indexing and when the media is not in motion, the drive motor maintains tension on the media between the rewinder and the filter.

The rewinder is electrically connected to the existing filter's control panel so that the rewinder's drive motor is automatically activated at the same time as the media drive on the filter. Controls for the rewinder include both manual and automatic operation and can be incorporated into the existing filter control panel or be mounted on a separate panel near the rewinder.

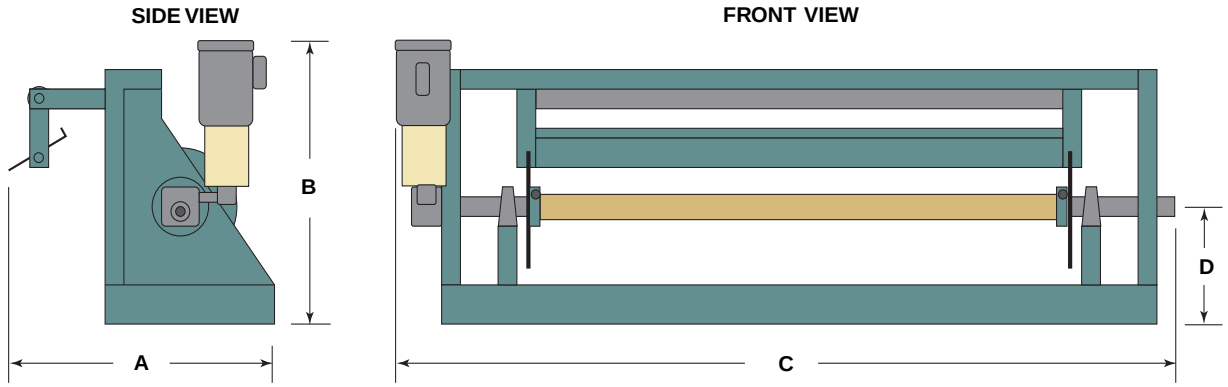
As the spent media is rewound into a tight roll, excess moisture in the media is squeezed out and collected in a drip pan beneath the media roll. Once the spent media roll reaches the desired size for disposal, the spent media is manually cut between the rewinder and the filter whereby either the collapsible take-up shaft or disposable core are easily removed from the rewinder. After the spent media roll is removed, the collapsible shaft is then easily placed back on the rewinder with two locking pins and the spent media from the filter is reattached. With the disposable core option, the core is discarded with the spent media, and a new core is inserted into the rewinder, again secured with locking pins. The spent media from the filter is then attached to the disposable core, which is made from standard 2"x4" lumber.

Model SMR/SC-51 Spent Media Rewinder with optional sludge separator and collapsible take-up shaft.

The Media Rewinder is available in a variety of standard widths and speeds to accommodate all media sizes and can be readily adapted to the majority of existing or new filtration equipment.

For sludges with reclamation value, the media rewinder can be equipped with a sludge separator which incorporates a doctor blade that removes the majority of the sludge from the media and is discarded into a collection hopper included with the unit.

The Filtertech Spent Media Rewinder & Sludge Separator provides for fully automatic rewinding of spent filter media for a variety of filters thus eliminating operator attention and producing a more dense, drier waste for less-costly disposal.



SPECIFICATIONS

Model†	Dimensions (cm)				Drive HP*	Est. Wt.
	A	B	C	D		lbs. (kg.)
SMR-24	2'-5" (74)	2'-5" (74)	5'-2" (158)	1'-2" (36)	½	225 (102)
SMR-36	2'-5" (74)	2'-5" (74)	6'-2" (188)	1'-2" (36)	½	300 (136)
SMR-51	2'-5" (74)	2'-5" (74)	7'-5" (226)	1'-2" (36)	½	375 (167)
SMR-72	2'-5" (74)	2'-5" (74)	9'-2" (280)	1'-2" (36)	½	600 (272)
SMR-96	2'-5" (74)	2'-5" (74)	11'-2" (340)	1'-2" (36)	½	900 (408)

† Other systems are available on a custom basis. Use the following suffix designations for the various options.
- /S - sludge separator
- /A - air drive motor (rated for up to ¾ HP)
- /C - collapsible take-up shaft
- /P - control panel

Specifications subject to change without notice.
* Horsepower rating for electric motor.

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