

# MONROE Oil Recovery Units

- Superior belt type oil skimmer
- Removes tramp oil from process liquids
- Prevents oil pollution
- Recovers valuable oil products
- Minimum maintenance

The Monroe Oil Recovery Unit is heavily constructed for industrial applications and consists of an endless belt, an electric motor and drive unit and a complete enclosure. The belt is suspended from a specially designed driven pulley, with the lower portion immersed in an oil supporting liquid.

As the belt descends into the liquid, the floating oil adheres to both sides of the belt. Self-adjusting wipers mounted in a staggered position wipe the oil from the belt. The recovered oil drains into a trough for deposit into a storage tank or containers.

The Monroe Oil Recovery Unit operates unattended in any area of tranquil oil accumulation. It will continuously recover floating oil in a condition that permits disposal or reclaiming for other industrial purposes.

Many different industries can prevent water pollution by recovering oily waste with a Monroe Oil Recovery Unit. Even the lightest oils from food processing can be easily removed.

## Totally Enclosed Drive Unit

The Monroe Oil Recovery Unit features a totally enclosed drive unit mounted inside the housing. The compact design provides easy drive access, excellent drive protection and maximum personnel safety. The entire drive unit is protected from weather, dirt and contaminants.

## Easy Maintenance

The Monroe Oil Recovery Unit is provided with a full-width hinged door for easy access to all working components. The endless belt can be removed for repair or replacement without disassembling the unit, minimizing maintenance. The wiper assembly is self-adjusting to compensate for wear. Constant pressure and alignment with the belt are assured.

## Automatic Belt Tracking

The Monroe Oil Recovery Unit incorporates a specially designed drive pulley that eliminates belt tracking problems. Unlike other recovery units, periodic tracking adjustments are not required on the Monroe unit. This unique feature eliminates complicated adjustable bearing assemblies and their associated maintenance procedures.



## Expected Capacities for Certain Common Oil Products

Belt Width	Fuel Oil Kerosene Mineral Seal	30 Wt. Motor Oil	Bunker "C"
8"	2 – 4 GPH	20 – 25 GPH	55 – 60 GPH
12"	5 – 7 GPH	45 – 50 GPH	80 – 90 GPH
24"	10 – 14 GPH	90 – 100 GPH	160 – 180 GPH

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*Self-adjusting wipers and oil removal from both sides of belt.*

## Special Features

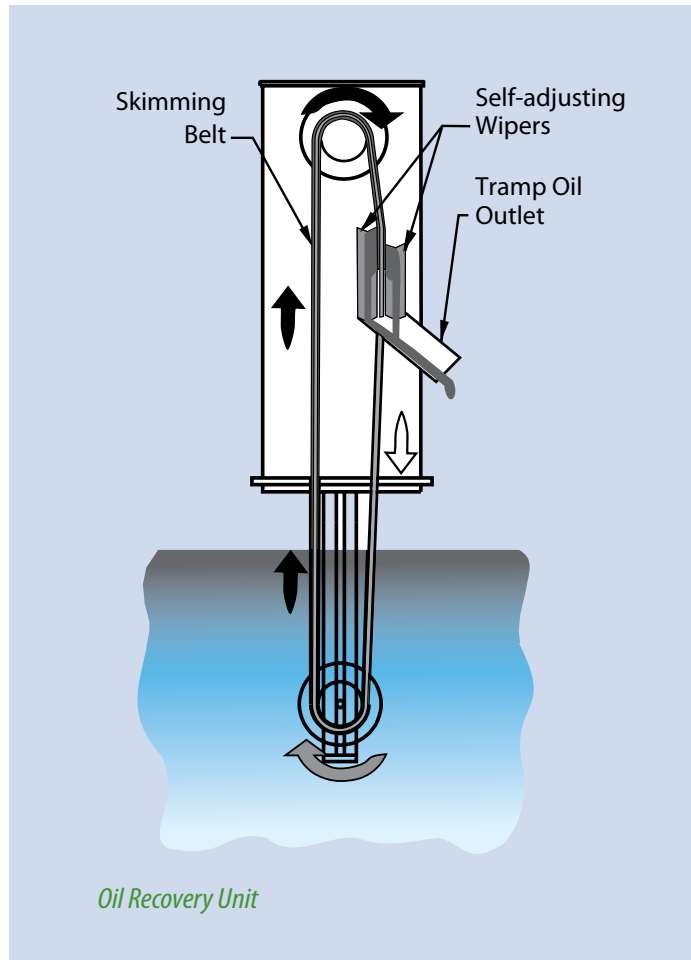
**Heavy gauge steel construction** with welded seams and lifting hooks provides rugged durability. Special construction materials and coatings are also available.

**Large, easy to open access doors** for all serviceable areas.

**Heated enclosure.** For use in extreme cold, the 12" & 24" model can incorporate insulated panels and an electric infrared or steam heater.

**An optional controller** is available for variable speed operation.

**Complete electrical controls** to meet customer requirements are available.



## Ideally Suited for Use In

- Auto manufacturing
- Chemical processing
- Food processing
- Metal processing
- Oil refineries
- Steel mills
- Storm water systems
- Wastewater treatment

## For Recovery of

- Bunker "C" oils
- Cooking oils
- Hydraulic oils
- Lubricating oils
- Machine oils
- Mineral seal oils
- Other organic and synthetic fluids

Monroe Environmental designs and builds liquid cleaning and recycling equipment including:

- Circular Clarifiers
- Parallel Plate Settlers
- Tube Settlers
- Horizontal and Vertical Clarifiers
- Air Strippers
- API Separators
- Oil Recovery Units
- Complete Engineered Systems



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