



# Rotary Oil Skimmer

Oil Skimming Slotted Pipe Skimmer Systems

**The RS Series skimming systems feature hand wheel operation and heavy duty construction with a positive end pipe sealing design.**

Our RS oil skimmers and scum skimmers built for industrial applications for use in new and existing small as well as large installations such as API oil water separators DAF clarifier systems.

## ***The Solution***

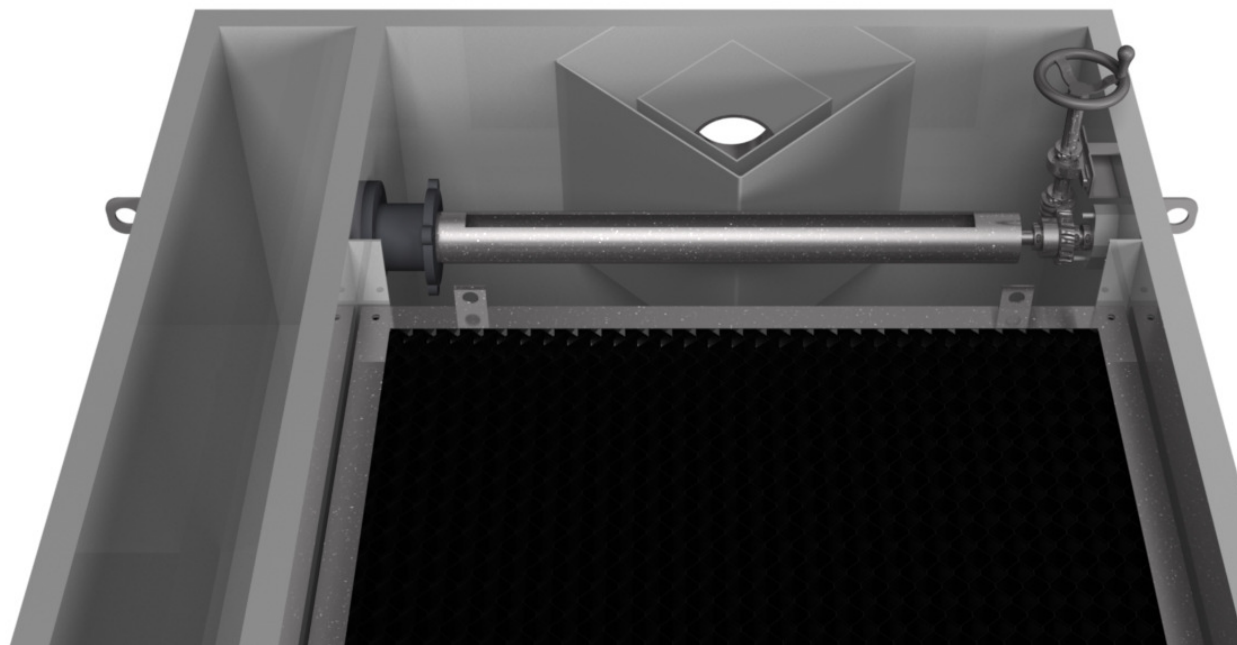
A simple, economical and reliable solution for high rate, high volume skimming operations.

## ***Features Include:***

- ◆ Steel construction
- ◆ Flanged & water sealed end coupling
- ◆ Geared handwheel/hand lever adjustment
- ◆ Diameters 2"-20" + custom sizes
- ◆ End bearing support
- ◆ Slotting intervals of up to 2'
- ◆ Variable handwheel shaft lengths
- ◆ 45-60° slot angle

## ***Materials of Construction Offered:***

- ◆ Galvanized steel
- ◆ 304/316 SS/Duplex 2205
- ◆ PVC/CPVC sch. 40 & 80
- ◆ FRP
- ◆ Coated carbon steel: A53, A106
- ◆ Aluminum
- ◆ Various schedules: 5, 10, 40





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## RS Skimmer Design

The skimmers are typically located at the effluent end of a separator tank and spans the tank width. The design consists of:

- Skimmer pipe
- Wall mounted supportive sealing flange
- Drive end support bearing and wall bracket
- Worm gear assembly
- Handwheel, wheel shaft and support
- Wall to support flange sealant: Bitumastic or other

**Construction:** Typical component construction:

- Skimmer pipe: 304/316 SS
- Support flange: Coated steel
- Drive end bearing: UHMW
- Worm gear assy: 304/316 SS
- Handwheel: Aluminum
- Flange sealant: Bitumastic or other

**Wall Spool Flange:** Mating wall flange in concrete is to be provided by contractor for RS mount flange connection.

**Available Styles:** RS skimmers are available in lever actuated and handwheel actuated designs.

The lever style provides a long, manually operated lever attached to the skimmer to effect adjustment.

The handwheel style provides a handwheel with revolving handle for speedy adjustment.

**Hardware:** All hardware provided will be 304 SS minimum.

**Coatings:** When provided coatings will be coal tar epoxy 15-20 mil minimum.

**Size Rationale:** Diameter is typically determined by water level variation, skimming flow capacity and tank width. The skimmer pipe is used as its own support over the distance of the tank width.

