



# *why the* **Tube?**

Why a Tube Type Skimmer  
May Be a Better Option  
than a Belt Skimmer



## Why replace your belt skimmer with a tube oil skimmer?

### Performance

#### **"The unit doesn't work like it should"**

Floating debris builds up in front of the belt preventing oil from reaching the collection surface, thus rendering it useless. Attempts to screen this debris only produces additional problems of clogged screens.

Our free floating tube does not have this problem, as it has the ability to snake over, under, and through debris to constantly pick up oil.

#### **Efficiency**

Oil adheres to the belt skimmer on the down stroke of the belt, carrying the oil down into the water where it can be re-emulsified into the solution. This defeats the skimming process and presents the typical oil-in-water problems.

The free-floating collector tube on Brill® tube-type oil skimmers floats only on the surface and continues to remove oil, even when water levels fluctuate.

Belt skimmers present only a small strip to the surface to which the oil can adhere. Also, the fixed path of the belt creates no movement to draw the oil to it. This results in inefficient oil removal.

In contrast, our tube type skimmer can have up to 15' of tubing floating on the surface to which the oil can adhere, and the movement of the tube over the surface creates a small current which draws in the oil. This results in more efficient skimming.





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# Operation

### Problems

One issue with belt skimmers occurs on installation. Some applications require support or bridging to mount the belt skimmer which can exceed the cost of the unit itself. Oil Skimmers, Inc. has overcome this issue by offering pre-fabricated mounting systems which provide easy, economical installation.

#### Pulley

Most belts require a bottom pulley to keep tension on the belt. Debris and oil have a tendency to get trapped between the pulley and the belt causing it in many cases to untrack, which results in the pulley falling into the solution. It is necessary to fish out the pulley which may require draining of the tank, which can be time consuming and expensive.

With the floating tube no pulley is needed. The tube floats freely and easily on the surface and continues to pick up oil, even in the presence of floating debris.

### Maintenance

The drive mechanism and wiper blades on belt skimmers also present problems. Oil and debris cause the drive to be misaligned and wipers to wear unevenly. The unit may be “running” but very little oil is removed. Maintenance is constantly needed to adjust the wipers and check the drive mechanism. This is time consuming and expensive or it’s never addressed. Neither situation is good, and makes for an inefficient skimming device.

Oil Skimmers, Inc. tube type oil skimmers feature a positive-drive drivewheel with ceramic fingers and tube scrapers made of ceramic. This provides long-lasting, maintenance-free performance, providing the customer a reliable, low cost method of continuous oil removal.