

Fiberglass Scum Pipe



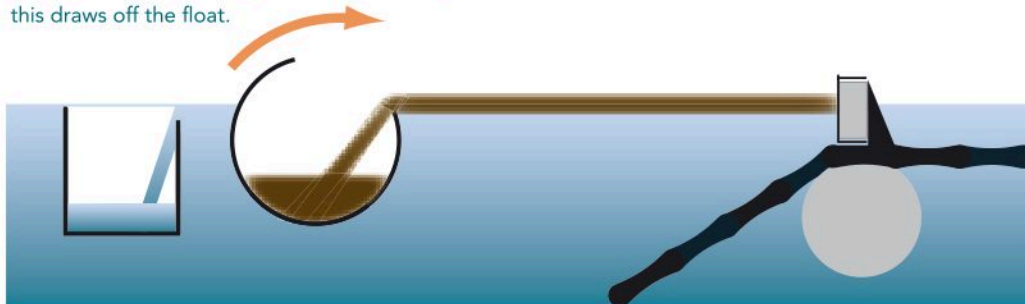
New product for TERSON's Wastewater Division is the FRP (fiberglass) Scum Pipe. Unlike chain and flight collectors, the scum pipes are found in rectangular, circular and other applications within wastewater treatment. Used to remove surface "floatables" the scum pipe keeps unwanted oils and grease from escaping into the treatment process.

About Scum Pipes

Sewage contains high levels of oils, grease, and associated materials. These materials float to the surface are typically nonsoluble and must be removed. Scum troughs (also known as "tipping troughs") block the scum from going over the weirs and contaminating the secondary process. It skims off the surface of the water (removing the float). In the example shown, the flight boards push the float towards the scum pipe.



To remove the float the trough is tipped where just the lip of the pipe is below surface, this draws off the float.



Originally made from cast iron pipe, today's pipes are usually made of stainless steel, and now FRP materials. The problems with scum pipes typically are frozen operation (due to corrosion) where the pipes no longer rotated. With the advent of Non-Metallic materials not only is the problem eliminated, but it makes for a easier operation. Feature of Non-Metallic scum pipes is the ready release of built-up sludge like material in the pipe. The picture below shows the zero effect of the heavy surface float on the FRP scum pipes.