

Floating Intakes

Even with effective rainwater pre-filtration, fine sediment accumulates at the bottom of rainwater storage tanks, and organic debris floats on the water's surface. *CT Floating Intakes* rise and fall with the water level, so the filter screen is always positioned in the cleanest water just below the water surface.

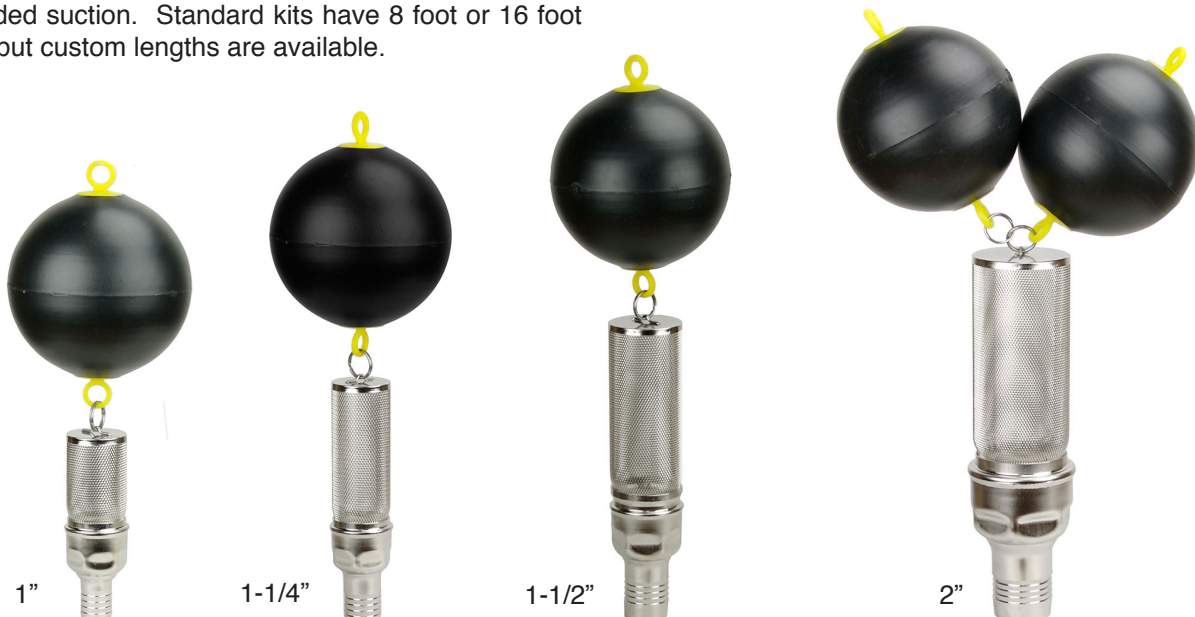
CT Floating Intakes consist of a stainless-steel screen welded to a stainless steel housing with an integral stainless-steel hose barb. This assembly hangs by a stainless-steel ring from a molded fitting in a sturdy polyethylene float. Water is drawn through a highly flexible, wire-reinforced hose made from food-grade PVC hose with sufficient density to prevent flotation. The hose is secured to the filter assembly and to a polypropylene threaded adapter with high-torque stainless-steel clamps. There are no parts to corrode or loosen over time.

Since rainwater prefilter screens typically openings less than 800 microns (1/32"), CT Floating Intake screens have 1000 micron openings so that any particle passing through a rainwater prefilter will pass through the floating intake. Larger particles formed by chemical or biological processes in the tank or entering through access openings are blocked before then can damage mechanical system components. The combined area of all of the openings is at least fifteen times the interior cross-section of the hose size to keep the water flow velocity and suction pressure loss very low. The low flow velocity also makes the floating intake screens virtually maintenance free.

Standard sizes are 1", 1-1/4", 1-1/2", and 2". Each size is available with integral stainless-steel check valves where there is potential for loss of prime, or without check valves for flooded suction. Standard kits have 8 foot or 16 foot hoses, but custom lengths are available.



floating intake
assembly



1"

1-1/4"

1-1/2"

2"