

ASSEMBLY INSTRUCTIONS

Series FWS-00A38000 Floating Weir Skimmer

1. UNPACKING

1.1

Check all packages and contents for shipping damage. If damage occurred during shipment, notify the carrier and place a claim.

1.2

If a control system is ordered with the skimmer head, the curved control valve piece is normally packed in the same box as the skimmer.

2. ASSEMBLY

2.1

General Description:

All connections are quick disconnecting fittings for easy assembly and disassembly. Skimmers in the FWS-00A38000 series generally have two connection ports, the top port is a 2" quick connection for the control system. The bottom port is a 3" quick connection for a hose deployment. A dust cap must always block the unused port.

2.2

Skimmer Head:

The skimmer head has a "flow controlled" weir. This feature allows the skim cut to be adjusted by the flow rate being drawn from the skimmer. A slow draw from the skimmer allows a thin cut to be removed from the surface. Increasing the flow rate will cause the weir to drop lower and allow a thick cut off the surface. There are hollow pockets under the "toes" of the skimmer. These pockets need to have fluid captured in them to hold the skimmer properly on the surface. To accomplish this, fully submerge the skimmer, then tilt the skimmer to allow the air to vent out of these pockets. Once fluid has filled these pockets, the skimmer will float with a slight forward tilt.

The bottom port on the skimmer is used to deploy the skimmer on the end of a hose. The 3" male quick connection is located on the bottom back of the skimmer head. The female quick connection on the hose attaches to this port. The 2" dust cap must be on the top port to operate. A hose float should be attached a couple feet behind the skimmer on the hose to support the hose behind the skimmer.

The top port on the skimmer is used with the "Control System". This control wand connects to the top 2" male quick connection. This allows the skimmer to be pushed around like a vacuum. The bottom 3" dust cap must be on to operate properly.

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2.3

Control System:

A control system for the FWS-00A38000 series consists of three parts. A curved piece with a control valve and swivel. A 5' extension pipe and a pipe with a piece of hose on the end. The 2" female quick connection attaches to the top port on the skimmer. The 5' extension (if needed) attaches to the other end of the first section. The curved piece with the valve and swivel attaches to the extension pipe (if used). The 3" hose attaches to the other end of the curved piece. If the pump allows the suction to be limited, the ball valve on the curved piece can adjust the flow rate being drawn into the skimmer head. The swivel joint allows the skimmer head to be rotated without twisting the operator.

2.4

Hose:

Flexible hose, 3" x 25', made of PVC, is pre-assembled with quick connect fittings and requires no assembly.

2.5

Debris screen:

If heavy duty debris screens are ordered, they are normally attached to the skimmer head prior to shipment fitting over the front of the skimmer. The debris screens are held in place with bungee cords. A small window is cut into the front of the screen and a door made from screen material covers the opening when the skimmer is used near small debris. This door may be flipped up and out of the way when only large debris are encountered.

Grass debris screens, if ordered, are attached to the skimmer head with the two floats in front of the skimmer.

2.6

Hose floats:

Vinyl wrap around closed cell floatation collars are secured with "zip" ties. The zip ties should go through the brass grommets and also around the hose to hold it in place.

Stainless steel hose floats are attached with a hose clamp tightened around the hose.

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