

Maintenance Access Pipe
Access for removal of sediment and floatable by vacuum hose. Inspection point for oil and floatable litter accumulation.

Pressure Relief Pipe
Ensures influent continues to receive pretreatment in the event of total occlusion of the filtration tentacles.

Untreated Stormwater

Draindown Cartridge
During the automatic backwash, the displaced water from the lower chamber exits through this cartridge.

Separator Skirt
A pretreatment channel is formed between the vessel wall and the separator skirt. The pretreatment zone isolates oil, floatable litter and coarse sediment from the filtration zone.

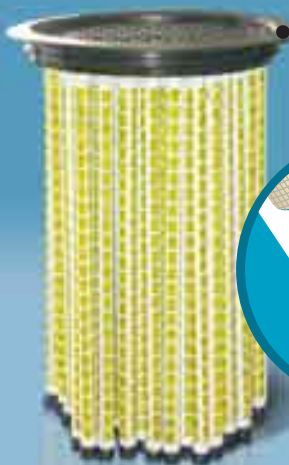
Vessel
A vertically-oriented, precast concrete cylinder is separated into upper and lower chambers by the cartridge deck. Vessels are available in 5 sizes ranging from 4 to 12 ft in diameter.

Backwash Pool Weir
An enclosed weir forms a pool of filtered water during a storm event. This pool provides automatic backwash self-cleaning of the cartridges as the runoff event subsides.

Filtered Effluent

Cartridge Deck
The deck contains Jellyfish cartridges, allowing the filtration tentacles to be extended into the lower chamber. Oil and floatable litter are trapped beneath the deck outside the filtration zone.

Jellyfish Cartridge



Cartridge Head
Dozens of tentacles are connected to the cartridge head. The largest cartridge weighs less than 50 lbs when wet.

Tentacles
These hollow filtration "tentacles" feature very high hydraulic conductivity. Tentacles are composed of one, two or three 18 inch segments connected end-to-end.

