



Floating Decanter for Backwash Water Reclaim Tanks

Description

The Floating Decanter is designed to provide reliable, air-free withdrawal of settled supernatant from backwash water reclaim tanks after residual solids have settled. By floating at the water surface, the decanter maintains a consistent withdrawal elevation across varying tank levels while minimizing disturbance of settled solids.

Used in conjunction with reclaim pumps, automatic valves, and control systems, the Floating Decanter supports efficient backwash water recovery, prevents air ingestion, and promotes stable pump operation. The assembly is fully corrosion and chemical resistant and engineered for long-term service in demanding water and wastewater environments.

Features

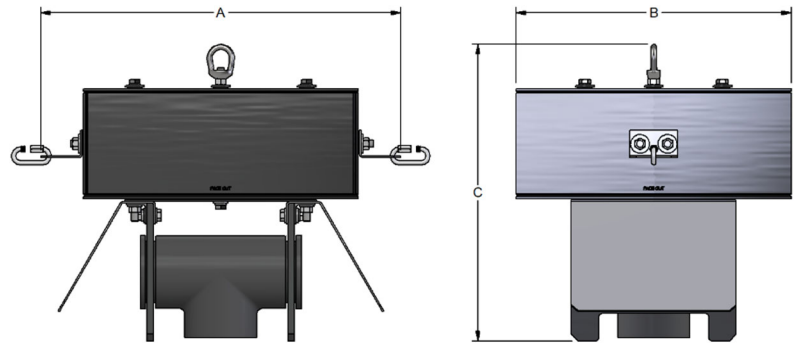
- Self-adjusting floating intake maintains constant withdrawal elevation
- NSF-61 approved materials for potable water applications
- Integrated vortex-breaking inlet prevents air ingestion
- Fully watertight, corrosion-resistant construction
- Stable four-leg internal support design
- Installation drawings and kits available

Specifications

Construction	Corrosion & chemical, foam-filled resistant PVC decanter body
Welds & Seals	Fully PVC welded for watertight integrity
Hardware	316 stainless steel fasteners
Connection Type	Flexible reinforced suction hose or rigid PVC piping
Hose Connection	316 stainless steel hose clamps
Inlet Design	Anti-vortex intake with air intake prevention

Applications

- Backwash water reclaim systems
- Water and wastewater treatment facilities
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Model No.	Max Flow Rate	A	B	C	Weights (Approx.)
PF-FD-02-03-FC	40 gpm	22-3/16"	16"	21-1/2"	47 lbs
PF-FD-03-03-FC	90 gpm	24-3/16"	18"	21-1/2"	53 lbs
PF-FD-04-03-FC	160 gpm	26-3/16"	20"	21-1/2"	58 lbs
PF-FD-06-03-FC	360 gpm	30"	24"	28-1/2"	101 lbs
PF-FD-08-03-FC	650 gpm	34-5/16"	28"	29-3/8"	113 lbs

Configurator				
PF	FD	02	03	FC
Manufacturer	Product Type	Size	Options	Accessories
PF = Pureflow	FD = Floating Decanter	02 = 2" Floating Decanter 03 = 3" Floating Decanter 04 = 4" Floating Decanter 06 = 6" Floating Decanter 08 = 8" Floating Decanter	00 = No Options 01 = Eye Nut 02 = Wire Guide 03 = Eye Nut + Wire Guide	NA = No Accessories FA = Flange Adapter CA = Coupling Adapter FC = Flange Adapter + Coupling Adapter

Installation

Each Floating Decanter is supplied with application-specific installation drawings detailing dimensions, connection requirements, and recommended configurations for the designated tank size. Flexible reinforced suction hose or rigid PVC piping may be used depending on system requirements. Proper hose sizing, routing, and clamp installation are critical to ensure air-free operation and long-term reliability.

An Operation & Maintenance (O&M) manual is included with each Floating Decanter to provide guidance on installation, operation, inspection, and routine maintenance.

Notes

Flow ranges shown are typical and may vary based on system hydraulics, tank geometry, and piping configuration. Installation kits and alternate connection methods are available upon request. Pureflow can provide sizing assistance and application review to ensure proper Floating Decanter selection for project-specific requirements.