

VENDOR CATALOG / FLUIDTROL

Fluidtrol Catalog

Corrosion-resistant basket strainers, sand filters, balance tanks, and modulating float valves for aquatic and industrial corrosive-fluid systems.

BASKET STRAINERS

Glass Ceramic Matrix Composite & FRP

A genuinely novel material for combined corrosion-and-abrasion resistance: a fiberglass/ceramic/vinyl ester matrix composite, seamless-cast, marketed for aggressive seawater and scrubber applications where most materials address corrosion OR abrasion, not both.



Glass Ceramic Matrix Composite Strainer

Vertical & Horizontal Large Basket

Extremely hard surface for corrosive/abrasive seawater and scrubber service. Custom-built to order, ASME Sec X / PS15-69 standard.



FRP Basket Strainer

3in-24in • ANSI B16.5 Class 150

Real 5-layer laminate schedule: chemical barrier veil, anti-wicking layer, filament-wound structural layer, repeat chemical barrier, gel-coat exterior. Basket materials: 316SS, AL6XN, CPVC, Hastelloy, Monel, PP, PVC, PVDF, Titanium.

Series	Construction	Rating	Sizes
FRP Basket Strainer	5-layer FRP laminate	Up to 220°F (two tiers)	3in-24in
GS Series	Thermoplastic liner + FRP over-wrap	150 psi @ 73°F	3in-16in
SW/SWX/ESW/RSW	Composite FRP/PVC or 304SS	AWS D1.1/D1.3, ASME B31.4/B31.9	Up to 24in
WYE Y-Strainers	FRP w/ PVDF baskets	—	2in and up

SAND FILTERS, BALANCE TANKS & FLOAT VALVES

Aquatic & Light Industrial Water Systems



High Rate Sand Filter (Style A/B/C)

Fiberglass construction, 50 psi rating, 5-20 GPM/ft² flow rate, certified to NSF/ANSI Standard 50. Thick-walled PVC laterals, pre-installed diffusers.



Balance Tanks (Surge Tanks)

Store displaced water to maintain consistent pool water level and prevent gutter-system flooding, regulated by a modulating float valve. Horizontal or vertical.



Modulating Float Valve

3in-24in • ANSI B16.5 Class 150

Stress-relieved polypropylene body and disc, dual 8in butyrate floats on 1/2in 304SS rods. Modulates 20-80% open; typical flow velocity 4-6 ft/s.

DUPLEX STRAINERS & THERMOPLASTIC-LINED FRP

Zero-Downtime Continuous Operation



GS Series Thermoplastic-Lined Strainer

PVC, CPVC, PP, or PVDF liner + FRP over-wrap

Thermoplastic liner as the chemical barrier with a fiberglass over-wrap for structural strength — distinct construction from the primary FRP series. Woven screening 10-200 mesh, sizes 3in-16in.

Duplex basket strainers, available across all strainer lines (PVC, CPVC, PP, FRP, PVDF), use twin independent chambers with isolation valves — flow diverts to the second chamber while the first is cleaned, enabling continuous, uninterrupted operation. Rated for 6 fps of the corresponding line size.

Component	Function
Duplex Basket Strainers	Twin chambers + isolation valves for zero-downtime cleaning
Commercial Reducers	FRP/PVC or 304SS, 2in-16in; concentric (discharge) / eccentric (suction)
Spare Parts	Acrylic covers, flat gaskets, O-rings, 316SS lid hardware, perforated baskets
Specialty Filters	Bag/cartridge filters and dual-laminate housings for difficult engineered systems

NEXT STEP

Send LibertyCES the process data, not a part number.

Basket strainer, sand filter, and float valve specs are real, but your actual application still has a specific fluid, flow rate, particle size, and material-compatibility profile that determines the correct configuration.

Fluid, chemistry, flow rate, temperature, and duty cycle — that's what a real spec review needs to start.

Request a spec review

james@libertyces.com

(559) 395-5500

libertyces.com