High Profile PolyGeyser® (HPPG)

AST ®
BEAD FILTER SOLUTIONS

INTERNAL BACKWASH WATER RECYCLING

The High Profile PolyGeyser® Filter (HPPG) is capable of handling high solids loading with minimal water loss due to its patented water recycling technology.

This PolyGeyser filter automatically backwashes the media, to maintain a healthy biofilm that is capable of breaking down readily digestible refractory organics. The enhanced media adds surface area to the beads and makes this unit ideal for applications with high biofiltration needs.

The design pairs low head loss and high flow rates attained in Propeller Bead® Filter models with the convenience and efficiency of a PolyGeyser and its autopneumatic backwash. The PolyGeyser also has an internal sludge storage chamber that concentrates the sludge prior to removal from the unit. This highly concentrated process significantly lowers the amount of water removed with the sludge.

Filter Benefits
- Superior solids capture in a small footprint
- Inlets and outlets sized for high flow
- Backwash water is recycled internally for low water loss
- Solids capture & biofiltration
- Automatic pneumatic backwashing for low maintenance
- Sludge is highly concentrated for low water loss
- No moving parts, no electronics for high reliability
- US Patent No. 6,517,724; US Patent No. 5,770,080; Canada Patent No. 7989-005

● **Minimal Footprint** ● **Cost Effective** ● **Superior Clarification** ● **Hands Off Operation**

For more information Call **504.837.5575** or visit us online at **ASTfilters.com**

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continued

MAJOR COMPONENTS:

A	Water Inlet Distribution Assembly
B	Water Outlet Distribution Assembly
C	Bead Retention Screen
D	Filtration Chamber Housing
E	Charge Chamber Housing
F	Air Inlet Assembly
G	Trigger
H	Water Diffuser
I	Sludge Storage Zone
J	Sludge Drain Assembly
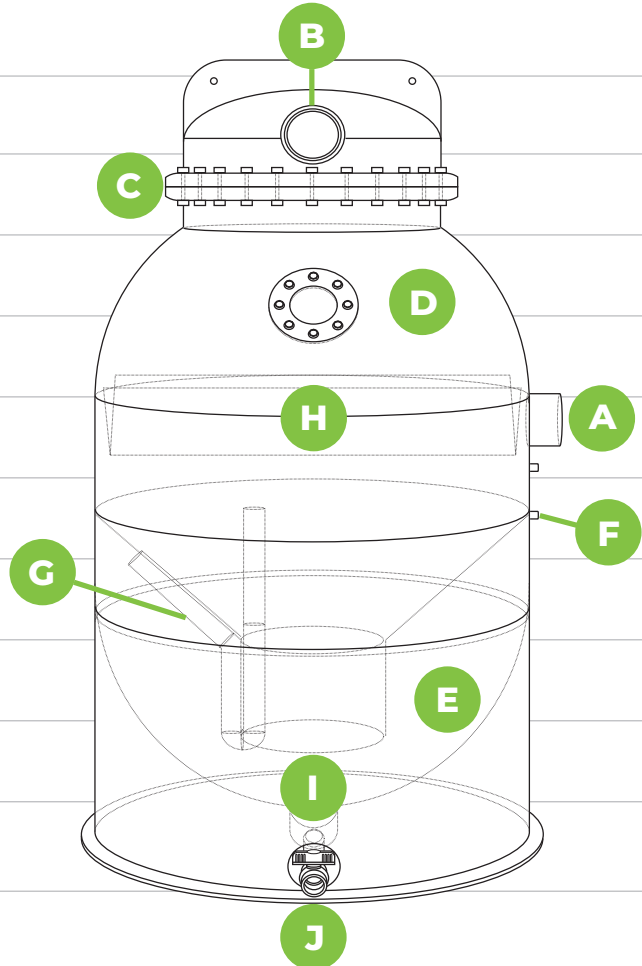
MINIMAL FOOTPRINT
Smaller pumps paired with an efficient design save space in both small and large volume applications.

COST EFFECTIVE
AST filters cost less than traditional filters. Plus, save on costly fines by ensuring EPA standards are met.

SUPERIOR CLARIFICATION
AST filters remove 100% of particles greater than 50 microns and 48% of particles in the 5-10 micron range per pass.

HANDS OFF OPERATION
Filter backwashing is automated with no mechanical moving parts for quick and easy maintenance.