

# INTEGRATED™ Filtration Systems

- ➔ **Plug & Play Design** - Systems are modular, skid-mounted and pre-tested systems that are easily installed with only minor plumbing and electrical connections.
- ➔ **3D CAD Design Included** - Systems are designed and built to order, including a 3D CAD drawing to insure compatibility with existing site plans.
- ➔ **Tested & Documented Prior to Shipment** - Strict testing guidelines that include water testing, electrical testing and documentation prior to shipment insure that every system operates to its design specification. System specific User's Manual included. 3rd Party certification by CSA, MET, UL available.
- ➔ **PERMA-BEAD™ Media** - Is a permanent, non-channeling, non-clogging filtration media solution used in organically loaded systems.
- ➔ **Wide Ranging Options** - Systems are available with a wide range of equipment, control and monitoring options.



Available Options



Auto Backwash



Air Assist Backwash



Accessories



VFD



Bag Filters

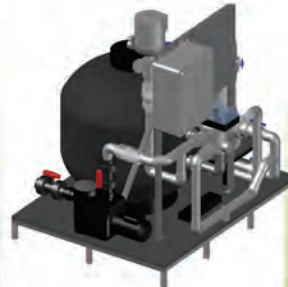
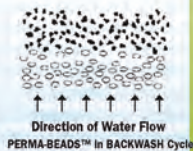


UV Sterilizers

## Perma-Beads™ Filtration Media

Perma-Beads™ are a direct replacement for sand and prevent clogging and channeling in any sand filter. No plumbing changes. Just take out the sand and pour in the Perma-Beads™. Proven in thousands of filters over 20 years. Don't settle for cheap substitutes, professionals choose Perma-Beads™!

With a 20 year life span, Perma-Beads™ eliminate labor-intensive sand media replacement while allowing pumps to run cooler, saving money and extending equipment life.



## Air Assist™ Backwash Option

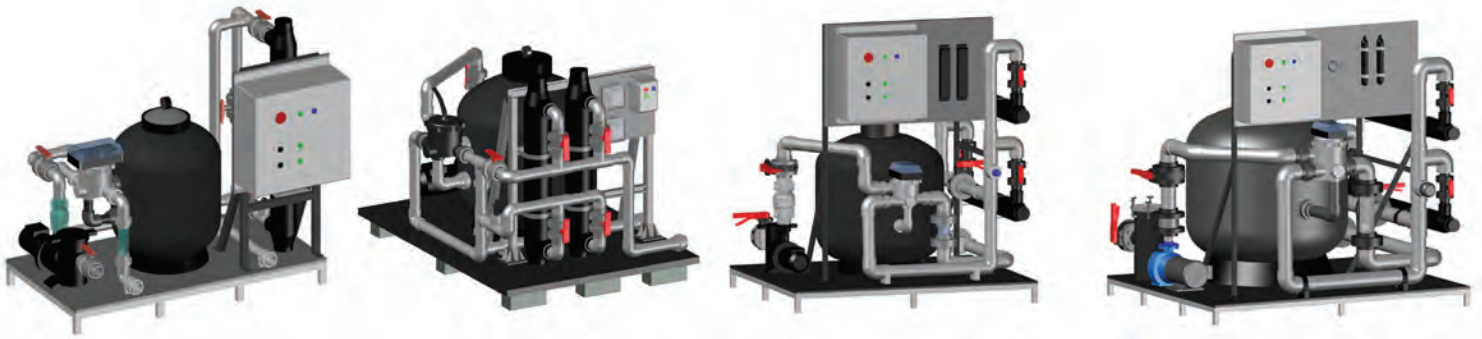
Air-Assist™ Backwash option is now available for improved backwash performance in PermaBead media filter systems. Air-Assist™ uses blower air to mix the bead bed for more effective backwashing with less water. Air-Assist™ is available on new IFS systems (manual or auto) or retrofitted into existing bead filtration systems.

**Air-Assist™ Blower Package includes:** 1 hp or 2 hp blower, PVC plumbing kit, NEMA4X motor controls with on/off switch and indicator light.

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## STANDARD SYSTEMS

Standard filtration systems are available with flow rate capacities of up to 240 gpm. Systems come standard with pump, UV sterilizer and Perma-Bead™ media filter pre-wired, pre-plumbed and skid-mounted. All systems are designed and built to meet your specific needs.



Model	Filter Diameter	Design Flow Rate 12.5 - 18 gpm / ft <sup>2</sup>	Electrical Requirements	In / Out Size (in.)	Media Capacity (lbs.) Sand / Permabeads	Base Dimension
IFS-24	24"	39-56	115/230V - 1ph	2"	325 / 195	48" x 48"
IFS-30	30"	61-88	115/208-230V - 1ph or 3ph	2"	600 / 360	48" x 60"
IFS-36	36"	88-127	208-230V - 1ph or 3ph	2" / 3"	800 / 480	48" x 60"
IFS-42	42"	120-173	208-230V - 3ph	3"	1410 / 850	66" x 88"
IFS-48	48"	157-226	208-230V - 3ph	3" / 4"	2110 / 1266	70" x 90"

*\*Backwash at 15gpm / ft<sup>2</sup> per manufacturer's recommendation.*

## INSTRUMENTATION & CONTROLS

IAS offers a complete line of water quality monitoring systems, instrumentation and controls from the leading industrial quality brands. We assist our clients with every step of the design and application process to select the right equipment to meet the demands of the project. Our advanced integration capability allows IAS to provide customized automation and control solutions for any scale project.

