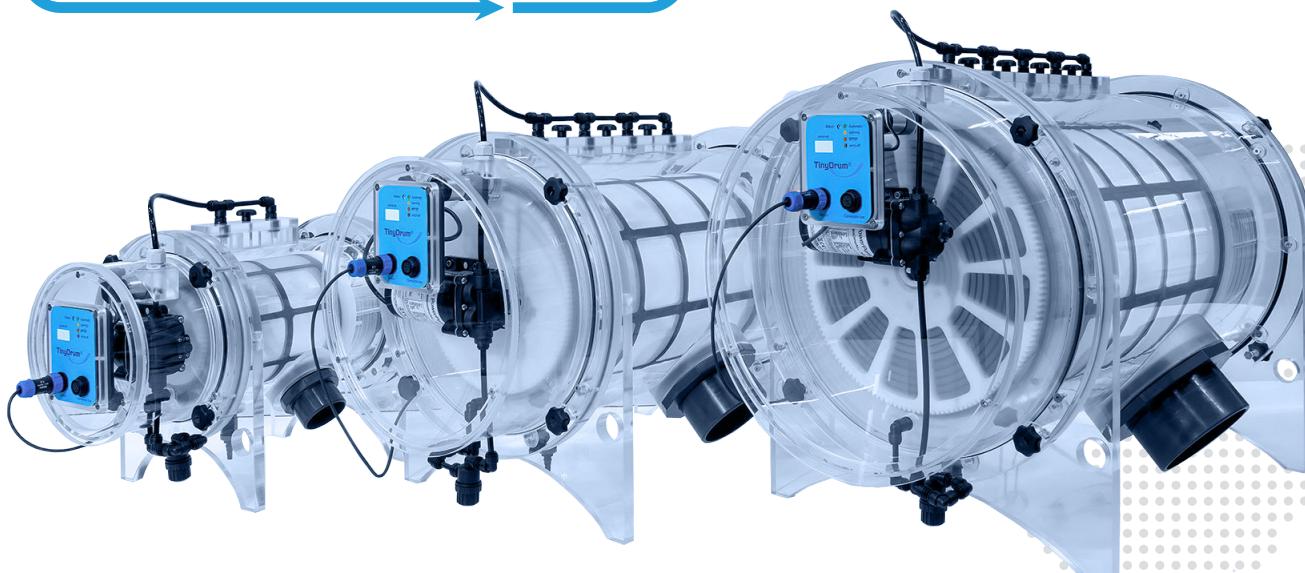


# INTEGRATED-AQUA™

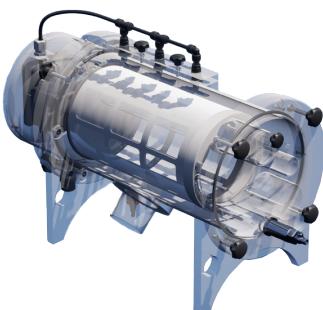


## TinyDrum®

TinyDrum® series drum filters are a breakthrough German-engineered solids filtration technology designed for aquaculture, aquatic research, and aquarium display systems. TinyDrum® models ship standard 60 micron screens, available with 30/60/75 micron screens, touch-screen controller, and everything else needed for a complete compact package. Designed with the end-user in mind, the TinyDrum® lineup features three model series to meet a variety of filtration needs.

Each TinyDrum® model is 100% non-metallic in a fully sealed system, comprising the drum, flushing pump, and gear motor. User-configurable settings on the touchscreen controller enable precise control over backwash timing, drum rotation, and flushing duration, ensuring optimal performance. The system uses a pressure sensor to monitor water levels with millimeter accuracy, automating the cleaning cycle for consistent reliability. A single 115V plug and only 125 watts of energy is required for the TinyDrum®, making the electrical installation simple and extremely efficient. The TinyDrum® is a reliable, easily maintained self-cleaning filter with very low water usage during the rinse cycle. An optional rinse water recovery system is available to achieve 100% water recycling.

TinyDrum® units are available pre-installed in engineered sump tanks for turnkey installation. Units and spare parts are in stock and ship directly from Integrated Aqua Systems, Inc.



## TinyDrum® DESIGN HIGHLIGHTS:



### Space-Saving Solids Filtration Unit

TinyDrum® Filters provide impressive flow rates in a super compact package. Capacities range from 26 gpm in smaller models up to 132 gpm in the XL series. This adaptability ensures effective cleaning performance for small to medium sized aquaculture systems.



### Automatic Cleaning Technology Saves Labor Expense

Operating at an ultra-efficient 125 watts and featuring a 60-micron standard screen (with 30/60/75-micron options available), the TinyDrum® combines gentle particle removal with automated cleaning. It uses very little water for rinsing and saves labor expense associated with filter cleaning.



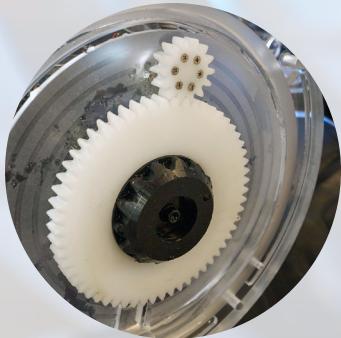
### All-In-One Sealed System

The TinyDrum® comes with all required components integrated into a sealed, quiet, efficient unit making it very easy to install in new or existing system. TinyDrum® has a single 115V plug for easy installation, quiet operation, and easy drum access for maintenance. Units are offered with an optional pre-installed sump tank for turnkey installation.



### Digital Touchscreen Controller Included

A digital touchscreen controller is included standard with all models to enable users to fine-tune backwash cycles, drum speed, and flush durations for maximum efficiency. A millimeter-precise pressure sensor provides real time level indication to ensure optimal performance.



### Saltwater Rated, Non-Metallic Design

Built with 100% non-metallic, saltwater-rated materials, the TinyDrum® is both corrosion-resistant and economical. Its gravity-fed design operates with less than 2 inches of head pressure and uses a commercially proven gear wheel drive system making it an extremely efficient and reliable filtration solution.

## STANDARD MODELS



### TinyDrum® M4



**Max Flow Rate: 26 GPM**



**Filter Dimensions: 35" L x 12.5" W x 18.5" H**

The TinyDrum® M series is engineered for smaller systems requiring precise filtration within a compact footprint. With drum diameters of 8.5 inches, these models achieve flow rates up to 26 gpm, making them ideal for specialized cleaning tasks for systems up to 1600 gallons.



### TinyDrum® L5



**Max Flow Rate: 57 GPM**



**Filter Dimensions: 40" L x 18" W x 24" H**

For a balanced solution, the TinyDrum® L series combines impressive filtration capacity with a compact design. These models, with 16 inch drums and flow rates up to 57 gpm, are suitable for systems up to 3400 gallons.



### TinyDrum® XL5



**Max Flow Rate: 132 GPM**



**Filter Dimensions: 40" L x 22" W x 28" H**

TinyDrum® XL models are built for larger applications, handling flow rates up to 132 gpm. With drum diameters of 20 inches, the XL series delivers robust cleaning capability for sizable systems requiring powerful filtration.



### TinyDrum® Controller



**Controller Dimensions: 12" L x 12" W x 6" H, 6 Lbs**

The TinyDrum® Controller included with every system allows users to seamlessly adjust set points for backwashing, drum rotation speed, and backwash pump flushing duration, ensuring optimal efficiency across various system conditions. With full control over all parameters, the filter can be precisely tailored to meet specific system requirements.

## SIZING CHART

MODEL	PANELS	MAX FLOW	CONNECTIONS			POWER	LENGTH	WIDTH	HEIGHT	DIAMETER	WEIGHT (Full) Lbs
			INLET	OUTLET	WASTE						
			gpm	metric (mm)	metric (mm)						
M4	4	26	75	75	40	115 / 125	35	12.5	18.5	8.1	90
L5	5	57	110	110	40	115 / 125	40.2	18.4	24.0	15.7	218
XL5	5	132	160	160	40	115 / 125	40.2	22.4	27.8	19.7	287

\*Note: units come with flexible rubber coupling connectors for adaptation to imperial pipe size.

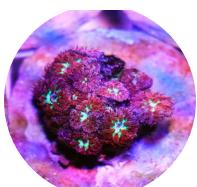
## APPLICATIONS

Engineered for compact system needs, TinyDrum® Filters are fully automatic, non-metallic, compact, and economical solids filters ideal for a range of aquatic life support applications.



### Aquatic Research Systems

Engineered to provide reliable, low-maintenance filtration with precise water quality control, making them an ideal choice for systems where accuracy and consistency are critical.



### Aquaculture

Enhance water quality and system efficiency in aquaculture operations, promoting healthier stock and reducing maintenance with reliable, automated filtration.



### Aquarium Holding & Display Systems

TinyDrum® Filters ensure crystal-clear water and quiet operation, making them perfect for maintaining pristine conditions in front or back of the house holding and display systems.

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