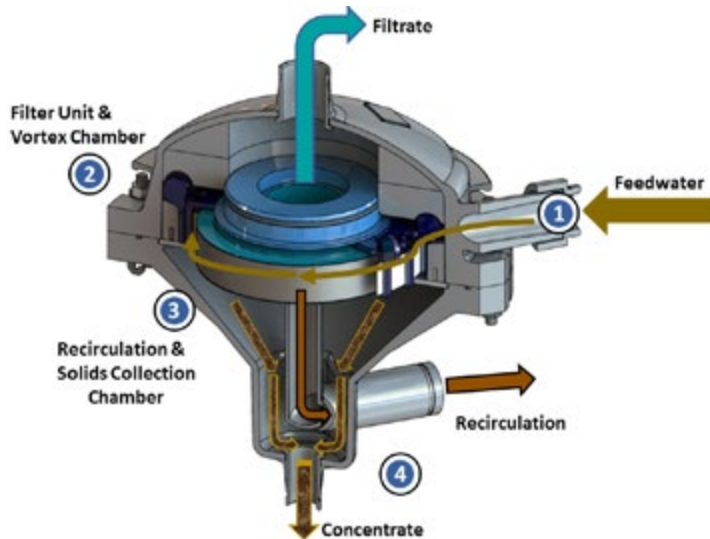


Fight Nasty High-Solids Water TEQUATIC™ PLUS Filters

Remove Waste and Save¹

- Filters down to 15 microns in streams with TSS up to 10,000 mg/L.
- Filters in the presence of high FOG, fibers and more.
- Helps reduce surcharges related to TSS and particulate BOD.
- Acts as a complement or cost-saving alternative to clarification, DAF and aeration.
- Self-cleaning, low maintenance.
- Compact footprint (less space, waste, chemicals).
- High water recovery up to 99%.
- Fast, out-of-the-box installation and startup; easy serviceability.
- Scalable modular configuration; each skid connects to common feed manifold to meet required flows.
- Innovative control system; touch screen interface.



Keep Operations Simple

Operation and design of TEQUATIC™ PLUS Filters is simple:

1. Pressure-controlled feedwater enters the unit and the water velocity across the filter screen initiates cross-flow filtration.
2. The feedwater flow drives the cleaning brush assembly, activating the cleaning mechanisms within the filter which continuously clean the filter screen, minimizing cake buildup.
3. Solids enter the recirculation and solids collection chamber. Heavy solids remain in the collection chamber while other particles flow into the recirculation pipe, which feeds back into the feed inlet feedwater flow.
4. Concentrated solids are purged periodically for disposal or further processing.

¹ TSS = total suspended solids; BOD = biological oxygen demand; COD = chemical oxygen demand; TOC = total organic carbon; DAF = dissolved air flotation



Simple design for easy maintenance.

Operating Specifications & Features²

Key features include chrome-plated stainless steel filter element, fiberglass filter housing, polymer cleaning assembly, corrosion-resistant internal components, powder-coated carbon steel frame, integrated recirculation pump, PLC and VFD.

Item	Value
Max Inlet Pressure, psi (bar)	80 (5.5)
Temperature	45°F-140°F (7°C-60°C)
pH ⁴	5-9 continuous
Max Particle Size	1/16 in. (2000 micron)

Product	Max Flow Rates	Electrical	Dimensions, in (cm)			Weight, lb (kg)	
			Length	Width	Height	Dry	Wet
TEQUATIC PLUS F-75 Filter, B-Series Skid	20-100 (4.5-22.7)	220V, 60 Hz, 3 ph, 20A 380V-480V, 50/60 Hz, 3 ph, 15A	73.1 (185.7)	35 (89)	63 (160)	450 (204)	625 (283)
TEQUATIC PLUS F-150 Filter, B-Series Skid	80-400 (18.2-90.8)	380V-480V, 50/60 Hz, 3 ph, 20A	98 (249)	90 (229)	87 (221)	2330 (1060)	3230 (1470)

Contact our Amiad team for further information



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