

# High Efficiency Cooling Tower Filter For Side Stream Filtration

*Compact design filters all the way down to <2 micron where most of the solids exist!*

## Modular Design

- Can be installed in single or multiple configuration to Meet your specific needs.

## Non-Corrosive Design

- PVC / Fiberglass / Powder Coated aluminum frame
- Durable Grundfos pumps with optimal hydraulics. TEFC MLE motor exceeds the Premium Efficiency rating
- UL NEMA 3R environmental rating

## Ease of Installation / Operation

- Solid state programmable controller for simple reliable timed or on demand operation
- Rugged NEMA4 enclosure with motor-starter and safety disconnect
- Three way motorized ball valves. Single point electrical connection.
- Fits through a standard door, no need for special equipment or cranes

## Backwash Options

- City water or tower water backwash source can be used. Backwash initiated by differential pressure, 24 hour timed operation or manual push button.

## Sub-Micron Filtration

- Exclusive NuStream design filters all the way down to <2 microns where most of the particles exist.

## Actual Results from Particle Distribution Analysis

Micron Size	Before NuStream	After NuStream	Percent Removal
1	5,234,311	6,154	>99%
2	2,949,364	2,615	>99%
3	2,487,514	1,384	>99%
4	1,004,728	808	>99%
5 – 8	480,349	678	>99%
9 – 12	77,745	299	>99%
13 +	24,308	38	>99%

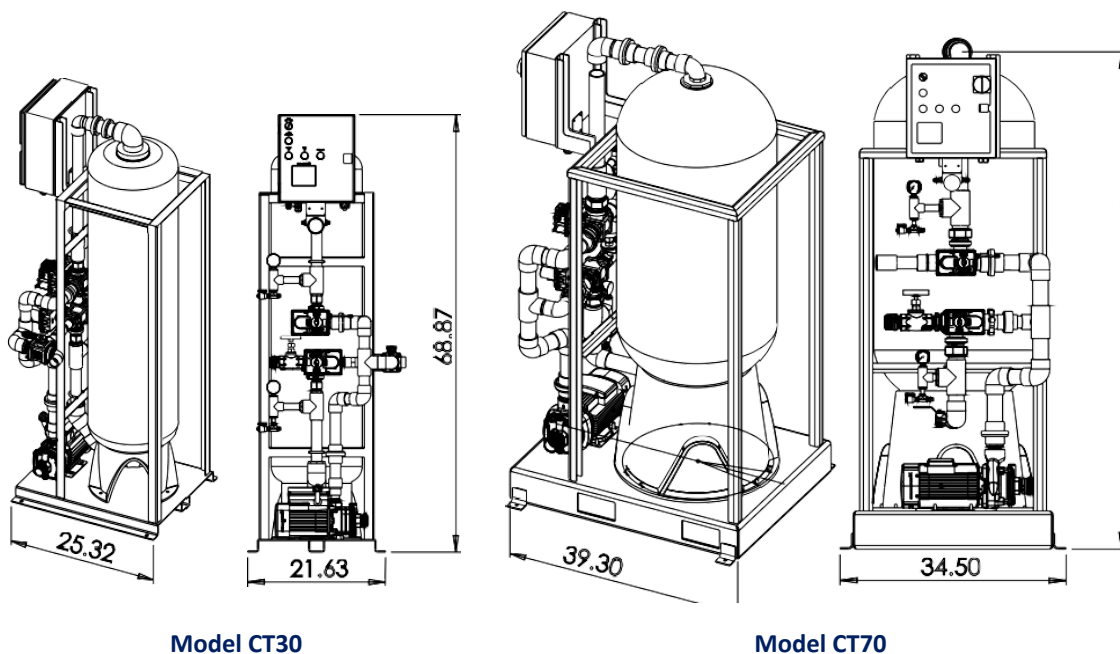


CT30, service flow rate of 30 gallons per minute.

CT70, service flow rate of 70 gallons per minute.



*Both filters easily fit through any doorway with a maximum width of only 34.5".*



Model CT30

Model CT70

Modular design gives more flexibility and redundancy. Additional filters can be added in the future without the need to replace the entire filter.

**Specifications:**

	Model CT30	Model CT70
Service Flow Rate	30 GPM	70 GPM
Backwash Flow Rate	12 GPM	35 GPM
Tank Diameter	14"	24"
Outside Dimensions	21.5" w x 25.32" d x 68.8" h	35.5" w x 39.5" d x 80" h
Working Pressure	10 – 85 PSI	10 – 85 PSI
Inlet Connection	1.25" FNPT	2" FNPT
Outlet Connection	1" MNPT	2" MNPT
Drain Connection	1" MNPT	1.5" MNPT
Clean Water BW Connection	1" FNPT	1" FNPT
Pump Motor TEFC HorsePower	1.5 HP, 115V, 20 AMP	4 HP
Pump Motor Voltage / AMP	115V / 20 AMP, Dedicated	208V = 9.0 AMP 230V = 8.5 AMP 460V = 4.3 AMP 575V = 3.7 AMP
Approximate Shipping Weight	760 lbs (2 crates)	1303 lbs (2 crates)
Approximate Operating Weight	980 lbs	1660 lbs



Intertek  
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Conforms to  
UL Std. 979

Certified to  
CSA Std.  
C22.2#14