

WORKHORSE™ Professional Grade

CT 70 HIGH EFFICIENCY COOLING SYSTEM FILTER

 SIDE STREAM SUBMICRON FILTRATION

 MODULAR DESIGN/EXPANDABLE CONFIGURATION

 EASE OF OPERATION

Specifications:

Service Flow..... 70 GPM
Backwash Flow.....35 GPM

Tank Diameter.....24"

Outside Dimensions.....W x D x H.....4' x 4' x 7'
Working Pressure.....10-85 PSI

Connections in:

INLET	2" MNPT
OUTLET	2" MNPT
DRAIN	1.5" MNPT
CLEAN WATER BW	1.5" MNPT

Pump Motor TEFC.....	3.4 HP
208volt.....	9 AMP
230volt.....	8.5 AMP
460volt.....	4.3 AMP
575volt.....	3.7 AMP

Shipping weight @ 1100 lbs.
Operating weight @ 1360 lbs.



NuStream™
filtration

Side Stream Filtration: The best way to stop airborne contaminants and waterborne deposits from reducing heat transfer efficiency and accelerated system corrosion.

CT70 High Efficiency Sand Filter: The most versatile and cost effective way to maintain a clean and safe cooling operation.

CLEAN WATER:

Helps chemical water treatment do its job better.



Reduces energy consumption with clean heat transfer surfaces.



Reduces mechanical breakdown.



Reduces cleaning costs.



Helps chemicals control microbiological problems.



Modular design:

Each CT70™ will side stream up to an 800 ton cooling tower.
Multiple filters allow for effective filtration of larger systems providing maximum versatility.

Non-corrosive design:

PVC/FIBERGLASS/POWDER-COATED ALUMINUM
Durable GRUNDFOS™ pumps with optimal hydraulics, TEFC MLE motor that exceeds the premium efficiency rating. UL NEMA 3R environmental rating

Ease of installation/operation:

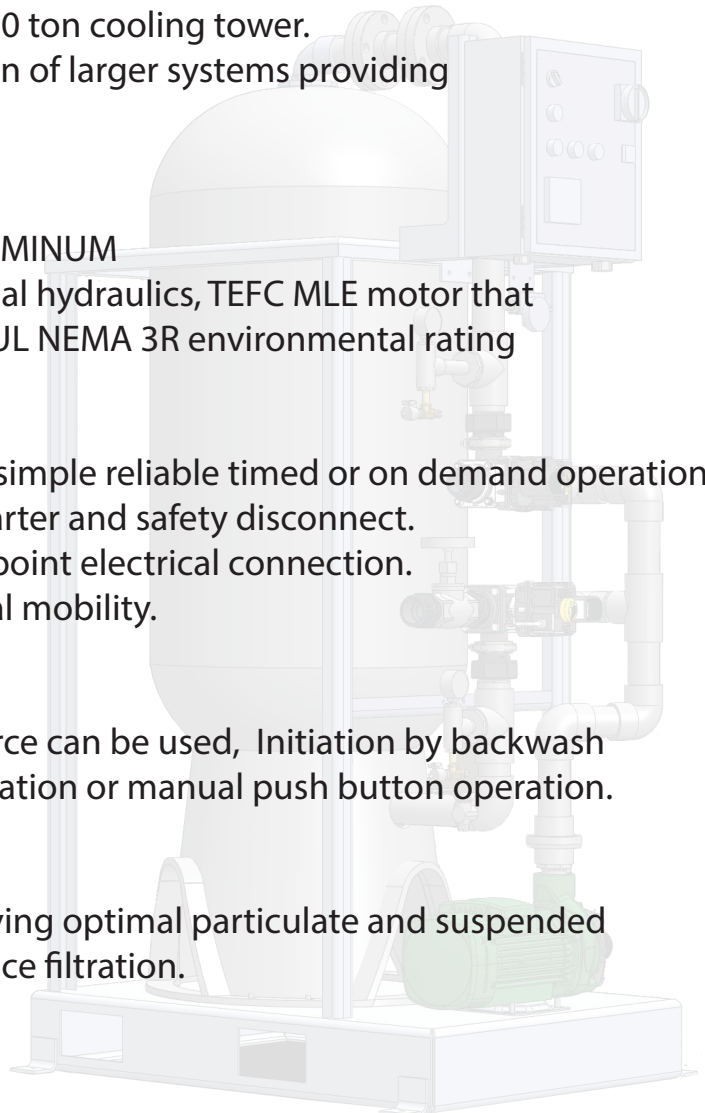
Solid state programmable controller for simple reliable timed or on demand operation.
Rugged NEMA4 enclosure with motorstarter and safety disconnect.
Three way motorized ball valves. Single point electrical connection.
Powdercoated aluminum skid for optimal mobility.

Backwash options:

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

Sub-micron Filtration:

Innovative gradient media design achieving optimal particulate and suspended solid removal with unique scrubbed surface filtration.



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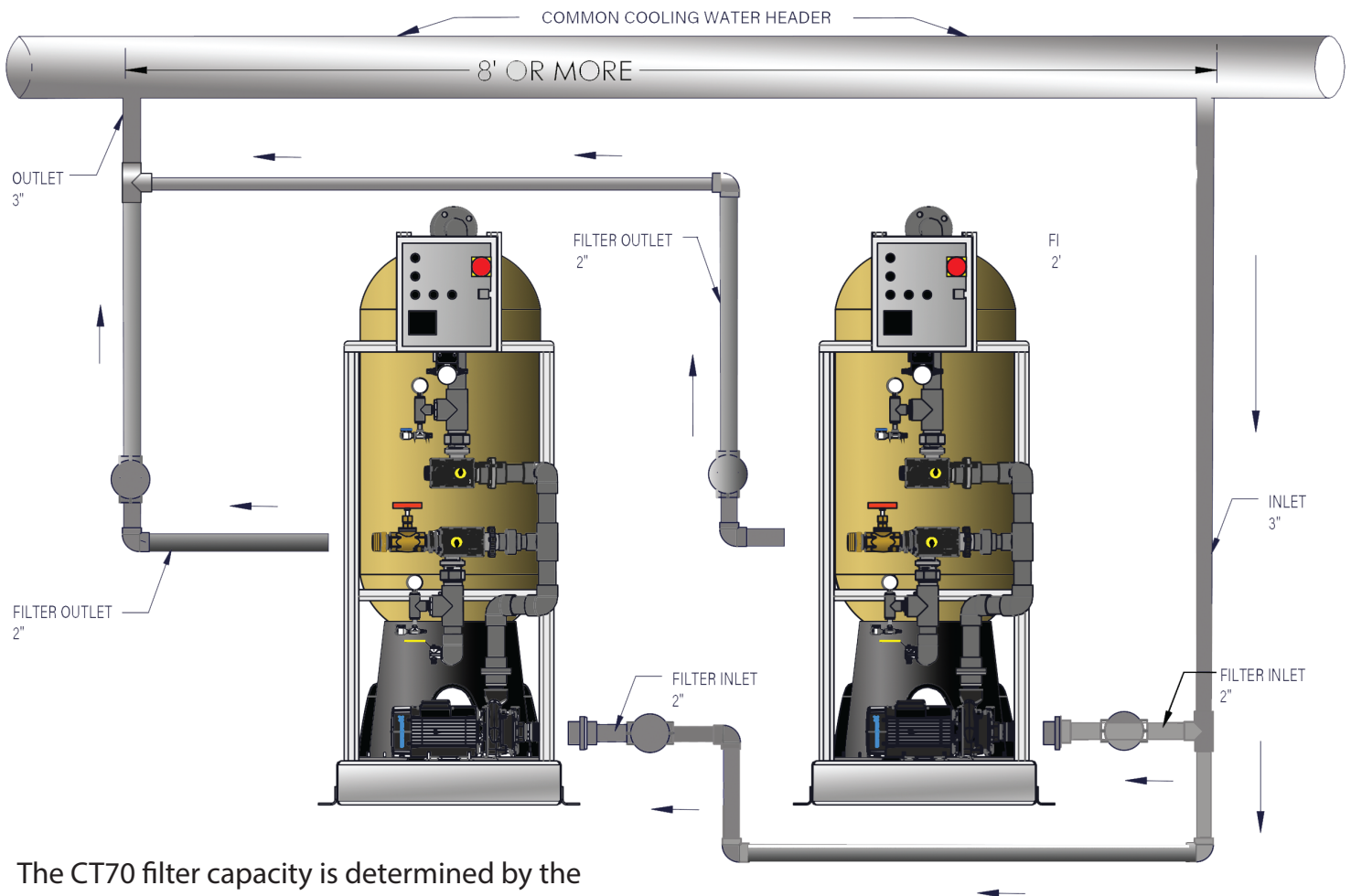
CLEAN WATER in cooling operations has become a necessity.

Most of the suspended particles in cooling loops are from 5 micron down to less than 1 micron in size. Highly efficient sub-micron filtration is the way to maintain a clean and safe cooling operation.



Scrubbed surface allows for finer sand and better filtration.

Multiple Tank Configuration

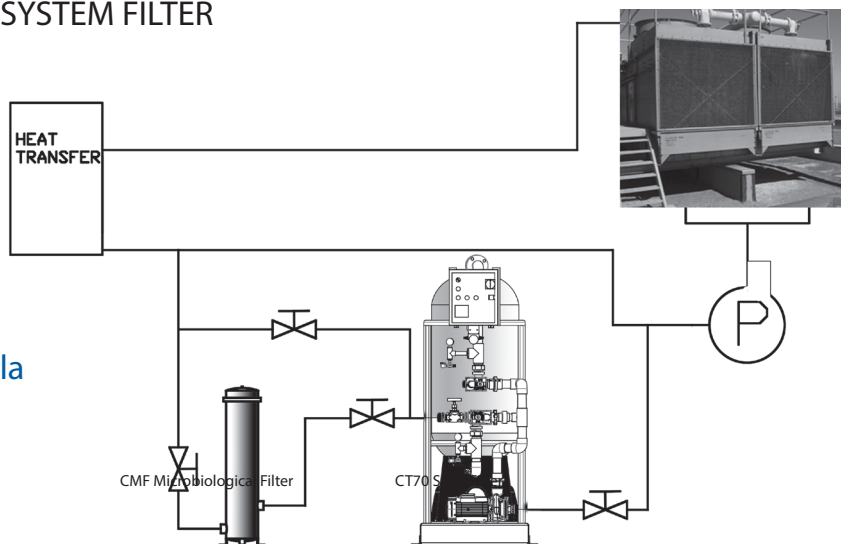


The CT70 filter capacity is determined by the tonnage of the system, the flow rate in the loop, or the gallon capacity in the cooling tower basin. The versatile design allows for duplex, tri and quad configurations.

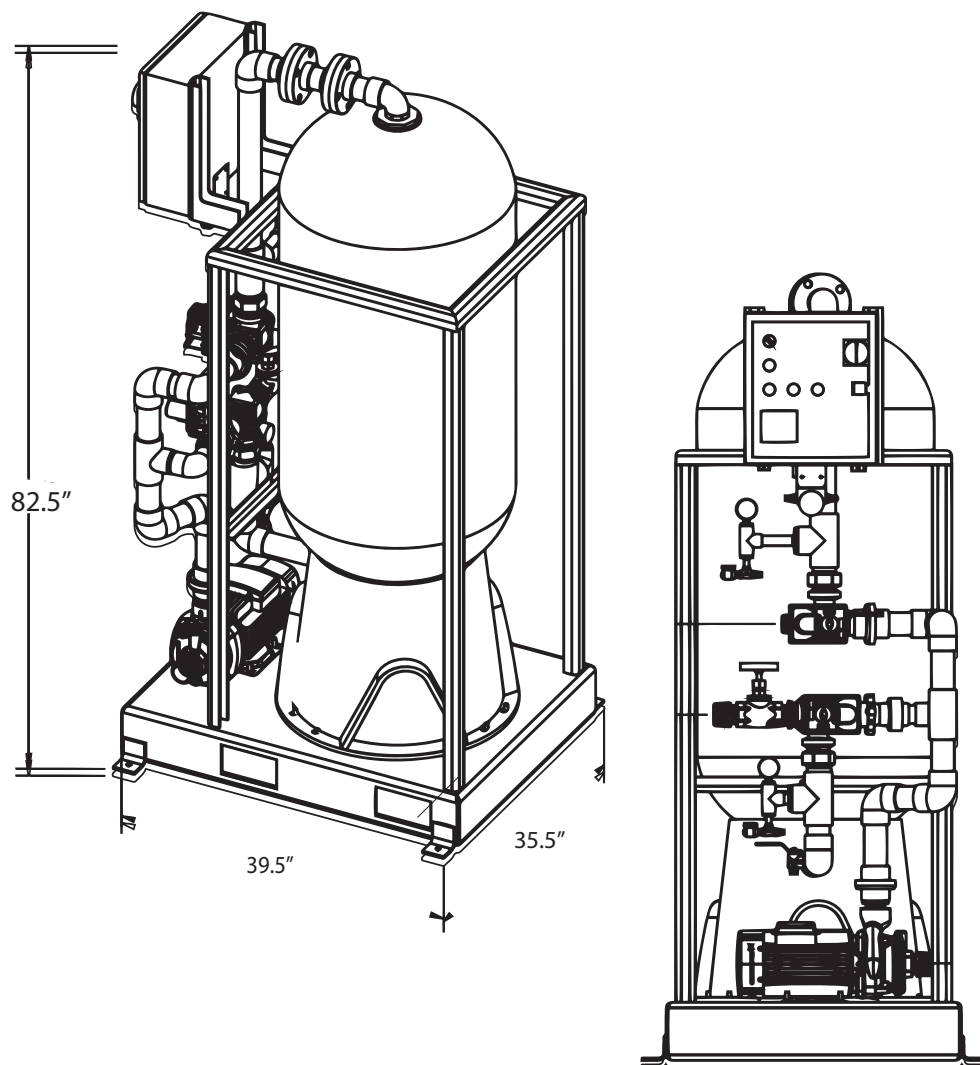
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Optional Electro-adsorptive technology polishing system for 10⁷/100mL Legionella and virus removal.



CEO Jim Baker has 25 years experience in designing and cooling tower side stream filter systems.



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