



### CALCIUM INTO ARAGONITE

CA2 REACTOR converts calcium into aragonite, a mineral that boosts poultry bone strength and eggshell quality through rapid absorption.



### IMPROVE COOL CELL LONGEVITY

CA2 REACTOR converts sticky calcium into non-bonding aragonite, preventing cool cell clogging and maintaining optimal cooling performance.



### LOWER OPERATIONAL COSTS

CA2 REACTOR is easily installed via NPT coupling, requires no power or chemicals, and offers 15 years of maintenance-free operation.

CA2 REACTOR by TOMIGUNN is a filter that you add to the waterline that converts calcium into aragonite, strengthening bird bones. It also removes calcium formation from cool cells.



CALL US FOR MORE INFO



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[TOMIGUNN.COM](http://TOMIGUNN.COM)



“ Convert calcium into aragonite for stronger poultry bones.

## Cool Cell Biologics

Enhance poultry health and protect your equipment with the CA2 REACTOR from TOMIGUNN.

CA2 REACTOR is available stand alone or as an optional add-on to the HYDRA water filtration system.

## Calcium is Converted Into Aragonite

CA2 REACTOR transforms calcium in your water into crystalized aragonite.

Aragonite is a trace mineral that is highly prized in poultry feed and as a supplement industry wide.

Calcium, as it passes through the reactor, is converted into aragonite.

Aragonite is a mineral form of calcium that is available for immediate uptake in your birds digestive system. Aragonites' rapid uptake supports stronger bones and better eggshells.

## Build Strong Bones and Eggshells

Aragonite provides the most digestible form of calcium delivered to your birds. Your chickens will benefit from trace minerals that improve bone strength and eggshell quality.

## Product Details

Max Pressure: 232 psi

Max Design Temperature: 210° F

Material: 304L Stainless Steel

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## Improve Cool Cell Performance

As calcium builds up on your cool cells it calcifies, forming a white layer that restricts water absorption, reducing the evaporative performance of your cool cells. Aragonite is a crystalline mineral that will not bond to the cool cell surface.

Once calcium is converted into aragonite through the CA2 REACTOR, it is no longer sticky and has a crystalline structure that cannot bond to the cool cell surface.

## Lower Operational Costs

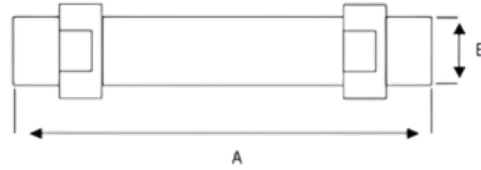
CA2 REACTOR by TOMIGUNN is easy to use! Once sized and delivered to you, simply install it into your waterline via NPT threaded coupling.

**No power or chemicals are required, and the system is guaranteed for a period of 15 years.**

The calcium conversion happens inside the stainless-steel reactor tube thanks to specialized metallurgy and water flow technologies.

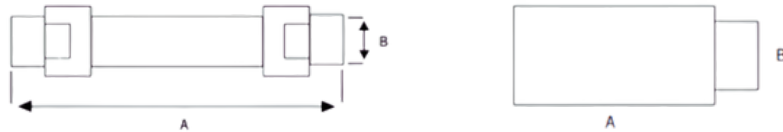
It's simple to install and has maintenance-free operation. CA2 REACTOR is compatible with city water and well systems.





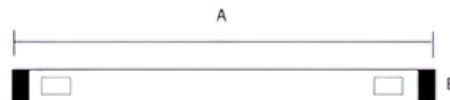
## Whole House Models

Model	Flow Range	Pressure Drop	Connections	Body Length	Outside Diameter	Weight
	<i>gpm</i>	<i>Cv</i>	<i>thread</i>	<i>inches (A)</i>	<i>inches (B)</i>	<i>lb</i>
ZAF034	1-7	3.0	¾" NPTM	6.0	1.3	1.2
ZAF010	1-9	4.0	1" NPTM	7.3	1.7	2.0
ZAF010H	1-17	7.0	1" NPTM	8.3	1.9	2.2



## Point of Use Models

Model	Flow Range	Pressure Drop	Connections	Body Length	Outside Diameter	Weight
	<i>gpm</i>	<i>Cv</i>	<i>thread</i>	<i>inches (A)</i>	<i>inches (B)</i>	<i>lb</i>
ZAF038	0.5 - 4	1.5	¾" NPTM	3.6	0.7	0.2
ZAF012	0.2 - 3	2.5	½" NPTF x NPTM	3.8	0.9	0.5



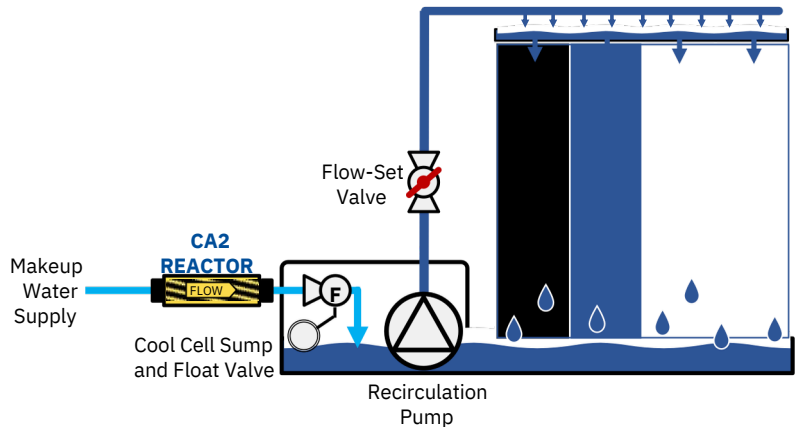
## Commercial Models

Model	Flow Range	Connections	Body Length	Outside Diameter	Weight
	<i>gpm</i>	<i>size / type</i>	<i>inches (A)</i>	<i>inches (B)</i>	<i>lb</i>
ZAF0114	16-31	1-¼" NPTM	21.6	1.25	6.4
ZAF0112	31-45	1-½" NPTM	21.6	1.5	7.5
ZAF002	45-70	2" NPTM	21.6	2.0	8.6
ZAF025	70-92	2-½" NPTM	28.0	2.5	16.5
ZAF003	92-181	3" Flanged	33.5	3.0	44.0
ZAF004	181-333	4" Flanged	33.5	4.0	55.0
ZAF005	333-482	5" Flanged	33.5	5.0	77.0
ZAF006	482-925	6" Flanged	33.5	6.0	86.9

## Cool Cell Makeup Water

- Incoming water is conditioned prior to entering float valve.
- Select REACTOR based on avg water flow during peak demands
- Aragonite solution (static): 21 days
- Drain existing water from sump before startup

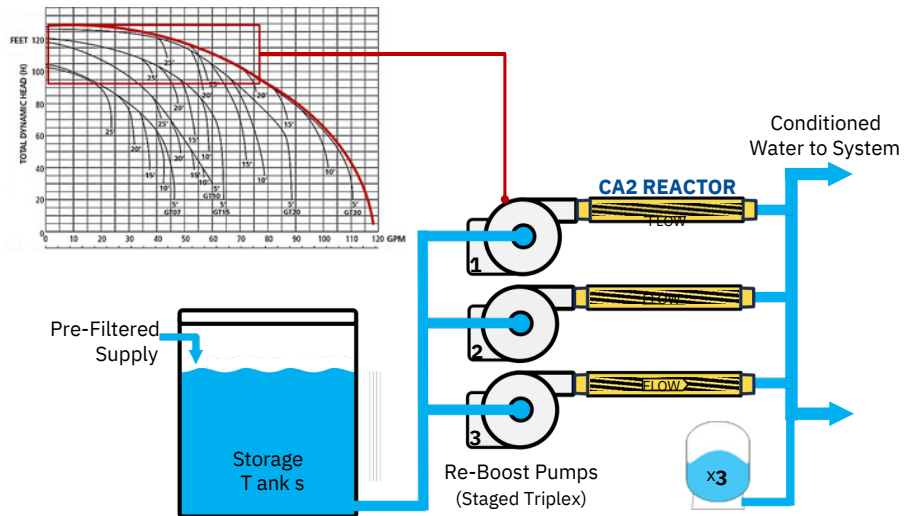
CA2 REACTOR SPECIFICATIONS		
Model	ZAF010	ZAF010H
Max Flow	9 GPM	17 GPM
Max Loss	2.3 psi	2.5
Connection	1" NPTM	1" NPTM
Length (in)	7.3 1.7	8.3
Diameter (in)		1.9



## Booster Station System

- Water from cisterns is conditioned at the outlet of each pump
- Sizing based on nominal, single pump flow
- Efficacy maintained during single and multi-pump operation

CA2 REACTOR SPECIFICATIONS	
Model	ZAF0114
Max Flow	31 GPM
Max Loss	2.6 psi
Connection	1-1/4" NPTM
Length (in)	21.6
Diameter (in)	1.3



## Sample Installation Layout

The configuration and amount of CA2 REACTOR filters needed is dependent on the water line existing set-up.

We tailor the installation based on your needs and design configuration.

The image to the right represents an installation that includes two CA2 REACTOR filters and the HYDRA water filtration system, which includes the prefiltration canisters and UV light filtration.

