

# CLEAN IN PLACE CIP



## ADD CLEAN IN PLACE TO YOUR A+R UNIT

## IMPROVES CLEANING IN CRITICAL FOOD PROCESSING

### SUMMARY

The CIP system is designed to provide complete spray coverage of the entire coil core. CIP is a process of cleaning the interior surfaces of process equipment like evaporator coil cores without the need for disassembly. Spray nozzles positioned above the evaporator coil core evenly distribute cleaning and sanitizing solutions and rinse water.

Adding the CIP option to A+R units allows the use of automated cleaning and sanitizing processes to reduce labor, and improve repeatability and effectiveness. Using CIP on evaporators allows chemicals and rinse water to be automatically applied in controlled concentrations, temperature, and duration.

## CIP FEATURES

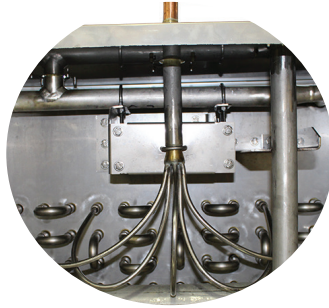
- Cleaning nozzles positioned above the evaporator coil.
- Complete spray coverage of 2-3 GPM per nozzle using 60-80 PSI water pressure.
- 4-6 nozzles are included per fan bay.
- Balancing valve on the supply to adjust flow rate.
- Single inlet pipe connection.
- Vertical connection option for units with end covers.



# CLEAN IN PLACE

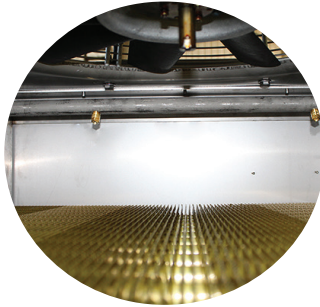
## BENEFITS

- Faster cleaning process
- Reduces Labor costs
- More production time
- Repeatable cleaning process
- Increases overall safety



## CIP DESIGN

- A connecting manifold to supply pipes on both sides of air section running down the length of the unit.
- Free draining
- Single inlet pipe connection per unit.



## OPTIONAL FEATURES

- Vertical connections are an option when end covers are used.



## COMPLETE SPRAY COVERAGE

- Provide water spray to the top of the coil.
- Nozzles spaced along the length of the unit.
- In rooms above freezing, CIP provides a means of water defrost.



## MORE INFORMATION

- For information on cleaning and sanitizing chemicals and their effects on evaporator coils, refer to our Technical Bulletin "Evaporator Coils For Food Processing", which can be found at [www.colmaccoil.com](http://www.colmaccoil.com) in the literature section.

[www.colmaccoil.com](http://www.colmaccoil.com)

*"The Heat Transfer Experts"*

### North American Headquarters

Colmac Coil Manufacturing, Inc.  
370 N. Lincoln St. | P.O. Box 571  
Colville, WA 99114 | USA  
+1.509.684.2595 | +1.800.845.6778

### Midwest US Manufacturing

Colmac Coil Midwest  
350 Baltimore Dr. | Paxton, IL 60957 | USA



CRN



CSA

CE(PED) Certification, ASME Sec. VIII,  
Canadian Registration Number, UL508, Canadian Standards Association