Dynamic Descaler® Application Guide
Condenser and Chiller

Dynamic Descaler Application Instructions:

1. Bypass Condenser or Chiller from operation.
2. Remove the existing water in the Condenser or Chiller. This must be done to ensure proper results.
3. Disconnect the water in/out connections from the Condenser or Chiller.
4. Attached the necessary hoses to the water in/out connections on the Condenser or Chiller to a circulation pump and a circulating tank. (See drawing below for cleaning set up.) Refer to our chart for necessary circulation time/set time and the amount of Dynamic Descaler to be used.
5. Circulate Dynamic Descaler for 20 minutes, then turn the circulating pump off and let the Dynamic Descaler sit for another 20 minutes. Repeat this process for the total amount of time listed on the chart.
6. After the first 20 minutes of circulating time, check the pH of the Dynamic Descaler with a pH meter or pH strips. Before use, Dynamic Descaler has a pH between 0 and 1. If the pH rises to around 3 or 3.5 after the first 20 minutes, add more Dynamic Descaler to lower the pH to around 1. Continue this process through the duration of the circulating time shown on the chart below. When the pH of the Dynamic Descaler stays the same, there should no more scale so the Condenser or Chiller should be cleaned.
7. Pump or move the remaining Dynamic Descaler into another container. If the Dynamic Descaler still has a pH around 1-3, use the Dynamic Descaler for another cleaning.
8. After removing Dynamic Descaler from the Condenser or Chiller, flush the Condenser or Chiller with water to remove all debris and remaining Dynamic Descaler. If you want to completely neutralize the Condenser or Chiller, add sodium bicarbonate (baking soda) to the water while circulating. Add a ratio of ½ pound of sodium bicarbonate to 25 gallons of water.
9. Once you have neutralized the Condenser or Chiller, disconnect the hoses from the circulating pump and circulating tank. Re-connect the water inlet and outlet to the Condenser or Chiller.

Tonnage	Amount of Dynamic Descaler (gallons)	Circulating Time (hours)
10	2	3
25	5	3
50	8	4
75	10	4
100	15	4
125	15	4
150	15	4
200	25	5
250	40	5
400	55	5
500	65	5
750	100	6
1000	125	7
2000	275	7
3000	400	8
4000	600	10
5000	900	10