

Cooling Tower System Water Treatment ①

| Model number | Description | Ship weight | | Volume | |
|--------------|-----------------------------|-------------|----|--------|--------|
| | | lbs. | Kg | gal. | liters |
| BIO-1 | Biocide No. 1, P/N A0509388 | 44 | 20 | 5 | 18.9 |

① Additional quantities of BIO-1 and biological test kits (a means of indicating bacterial contamination) are available. Contact your Colortronic sales representative for more information.

Scale and Corrosion Inhibitors for Cooling Tower Systems ①

| Model number | Description | Ship weight | | Volume | |
|--------------|---|-------------|-----|--------|--------|
| | | lbs. | Kg | gal. | liters |
| AEC2000-H | Scale and corrosion inhibitors for hard water, P/N A0504153 | 45 | 20 | 5 | 18.9 |
| AEC2000-H | Scale and corrosion inhibitors for hard water, P/N A0504153 | 495 | 225 | 55 | 208.0 |
| AEC2000-L | Scale and corrosion inhibitors for low hardness water, P/N A0504154 | 45 | 20 | 5 | 18.9 |
| AEC2000-L | Scale and corrosion inhibitors for low hardness water, P/N A0504154 | 495 | 225 | 55 | 208.0 |

① AEC2000-H is tower treatment for hard water makeup (>150 ppm) and AEC2000-L is tower treatment for low hardness makeup water (<150 ppm.) Use 300 to 600 ppm in tower water. Use STEP Test Kit for monitoring.

Tower Water Management ①

| Model number | Description | Ship weight | | Volume | |
|--------------|---|-------------|----|--------|--------|
| | | lbs. | Kg | gal. | liters |
| TK-1 | Organo phosphonate test kit, P/N A0504914 | 2 | 1 | — | — |

① Additional TK-1 organo phosphonate test kit measures phosphonate concentration to assure proper operation and feed rate of the chemical feeder

De-Scaling ①

| Model number | Description | Ship weight | | Volume | |
|--------------|---------------------------------------|-------------|----|--------|--------|
| | | lbs. | Kg | gal. | liters |
| LDA-1 | Liquid de-scaling agent, P/N A0502600 | 44 | 20 | 5 | 18.9 |

① Liquid De-Scaling Agent (LDA-1) is circulated through the heat exchanger. After de-scaling, the piping and equipment is flushed and dried with a compressed air purge. Extra 5-gallon (18.9-liter) quantities of LDA-1 are available. Contact your Colortronic sales representative for more information

Chilled Water System Water Treatment ①

| Model number | Description | Ship weight | | Volume | |
|--------------|---|-------------|----|--------|--------|
| | | lbs. | Kg | gal. | liters |
| IEG-1 | Inhibited ethylene glycol, P/N A0541358 | 45 | 21 | 5 | 18.9 |
| IPG-1 | Inhibited propylene glycol, P/N A0542990 | 45 | 21 | 5 | 18.9 |
| CWT-1 | Chilled Water Treatment, P/N W000173 | 10 | 5 | 1 | 3.8 |

① Systems requiring glycol should be protected with industrial-grade antifreeze. IEG-1 contains a blend of **ethylene** glycol and corrosion inhibitor. IPG-1 contains a blend of **propylene** glycol and corrosion inhibitor.

CWT-1 is a multi-component cooling water scale and corrosion inhibitor. It is formulated for both ferrous and non-ferrous chilled water systems. It does not contain heavy metal or other substances regulated by the EPA. Recommended dosage is 32 ounces per 100 gallons (1 liter per 400 liters) of System volume.

Closed System Treatment for Chilled Water Systems ①

| Model number | Description | Ship weight | | Volume | |
|--------------|--|-------------|-----|--------|---------|
| | | lbs. | Kg | gal. | liters |
| AEC2500CL | Closed system treatment for chilled water systems:, P/N A0000173 | | | | |
| | 6 single-gallon jugs; P/N A0000173 | 54 | 25 | 6 x 1 | 6 x 3.8 |
| | Five (5) gallons; P/N A0553842 | 45 | 21 | 5 | 18.9 |
| | Fifty-Five (55) gallons: P/N A0553833 | 10 | 227 | 1 | 208.0 |

① Closed loop treatment for protection corrosion and deposits. Use 1 gallon per 33 gallons (1 liter per 35 liters) of water. Use STEP Test Kit for monitoring

Water Treatment Supplies (cont'd)

| no. | Description | Part | Ship weight | |
|--------------------------|---------------------------|----------|-------------|-----|
| | | | lbs. | Kg |
| Antifoulant ①: | 5 gallons (18.9 liters) | A0509388 | 45 | 21 |
| Descaler ②: | 5 gallons (18.9 liters) | A0502600 | 21 | |
| | 55 gallons (208.0 liters) | A0553834 | 500 | 227 |
| Industrial Cleaner ③: | 5 gallons (18.9 liters) | A0553840 | 50 | 23 |
| Low Foaming Detergent ④: | 5 gallons (18.9 liters) | A0542992 | 40 | 19 |
| SC System Cleaner ⑤: | 5 gallons (18.9 liters) | A0509626 | 45 | 21 |
| | 55 gallons (208.0 liters) | A0553835 | 500 | 227 |
| Dispersant ⑥: | 5 gallons (18.9 liters) | A0553837 | 45 | 21 |
| AF Antifoam ⑦: | 18 8-oz. (237 ml) bottles | A0553836 | 10 | 5 |
| Safe Glycol ⑧: | 5 gallons (18.9 liters) | A0552990 | 21 | |
| | 55 gallons (208.0 liters) | A0552991 | 495 | 225 |
| Ethylene Glycol ⑨: | 5 gallons (18.9 liters) | A0541358 | 23 | |
| | 55 gallons (208.0 liters) | A0539637 | 500 | 227 |

① For use in both open and closed recirculating water systems. Prevents fouling caused by water-borne constituents and organic materials

② Strong acid descaler for removal of mineral scale buildup from heat exchanges, tanks, etc. Contains muriatic acid. Inhibited to prevent corrosive attack.

③ Non-hazardous cleaner for removal of mineral scale and metal oxides from heat exchangers, tanks, etc. For best results, use 20% (min.) solution

④ Low foaming detergent for cleaning open and closed recirculating water systems. Use 2 to 4 gallons per 100 gallons (2 to 4 liters per 100 liters) of water.

⑤ New system startup chemical cleaner. Effective in removing mill scales, greases, and other foulants associated with new construction. Use 1 to 3 gallons (1 to 3 liters per 100 liters) of water.

⑥ Supplements AEC 2000H and AEC 2000L by enhancing the cleanliness of heat transfer surfaces. Use 200 to 400 ppm in the system once or twice per week.

⑦ Cooling and process antifoam. To control foam, use 2 to 4 fluid ounces per 100 gallons (60 to 120 ml per 38 liters); packaged in 8 fl oz. (237 ml) bottles **only**.

⑧ Propylene glycol solution. An environmentally safe alternative to ethylene glycol. Refer to glycol charts for usage concentration. **AEC2500 CL must be used in closed systems** (see Page 2) for protection against deposits and corrosion.

⑨ Freeze/burst protection fluid for closed chiller water systems Refer to EG charts for proper use concentration. **AEC2500 CL must be used in closed systems** (see Page 2) for protection against deposits and corrosion.

Test Kit

| | Description | Part no. |
|------------------------------------|------------------------|----------|
| Test Kit; test for chemical levels | 30 tests per kit | A0553838 |
| Test kit refill | 30 refills per package | A0553839 |

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