



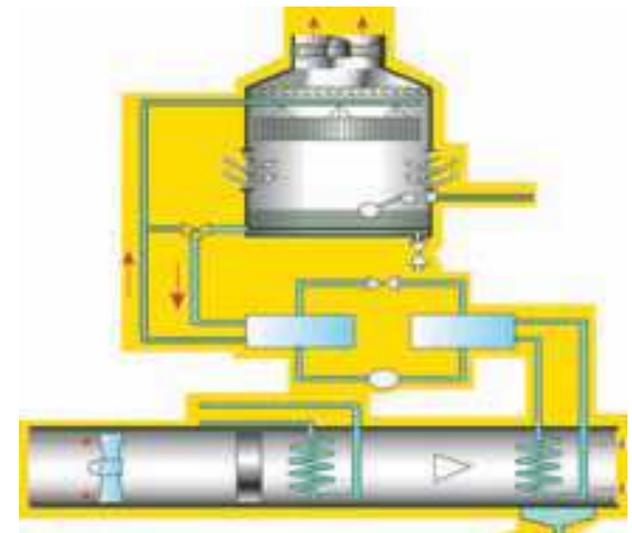
***AIR CONDITIONING  
MAINTENANCE***

# THE AIR CONDITIONING MAINTENANCE CHALLENGE



**Periodical air conditioning system maintenance must follow few but mandatory guidelines:**

- **Assuring that systems are free from any risks of respiratory diseases since bacteria may be aerosolized in the circulating air.**
- **Keeping maintenance time as short and cost-effective as possible.**
- **Keeping any kind of system clean, from the small split units to the large centralized ones, in order to increase energy efficiency and prevent extraordinary maintenance costs.**



# WHY CHOOSE ZEP?

**ZEP develops, tests, manufactures and commercializes products for each of the maintenance phases.**

**Maintenance operators are guaranteed the ability to offer their customers a perfect cleaning, sanitizing and energy-optimizing of the air conditioning systems.**

- **We tackle the problem in its entirety**
- **We offer simple, safe and efficient solutions for all system sizes**
- **We provide professional training to operators**
- **We support customers with on-site professional technical reps through qualified local distributors**



# MAINTENANCE OBJECTIVES

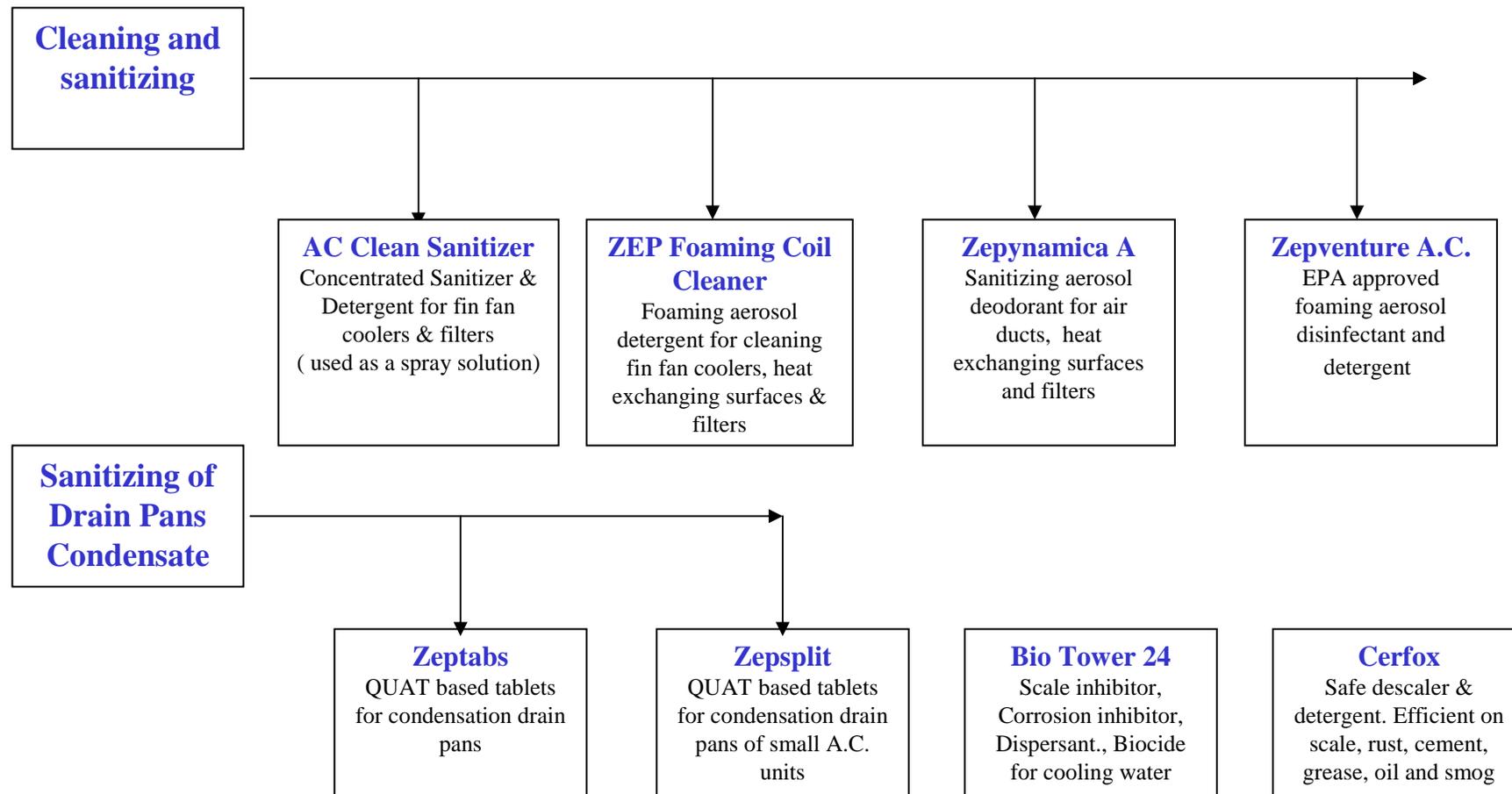
- **Keeping bacterial growth under control in air conditioning cooling water systems.**
- **Preventing scale and corrosion in pipelines and equipment in contact with the circulation water.**
- **Keeping filters and fin fan surfaces clean and sanitized.**
- **Assuring drain pans are perfectly sanitized to prevent stagnant water conditions which are ideal for bacterial proliferation.**
- **Preventing increases in energy consumption in compressors and condensers due to slime, deposits and corrosion products**

# **BENEFITS OF THE ZEP PROGRAM**

**In addition to preventing the proliferation of Legionella and other bacteria both in water and in the circulating air, the periodical system maintenance generates valuable benefits such as:**

- Reducing costs related to expensive extraordinary maintenance related to replacing equipment and pipes**
- Reducing energy consumption by keeping heat exchange surfaces clean (fin fan, serpentines, heat exchangers, cooling system packing, etc.)**

# AIR CONDITIONING PRODUCTS



# AC CLEAN SANITIZER

Concentrated Detergent & Sanitizer for fin fan coolers & filters



1. Dilute the concentrated product in water as per instructions



2. Spray the solution on the fin fan cooler surfaces starting from the top

In summer time the product does not need to be rinsed since is flushed away by the condensate.  
If maintenance is done in winter, product must be rinsed away with water



3. The dirty materials removed by AC Clean Sanitizer will be eliminated from the condensate drainage



4. AC Clean Sanitizer is excellent for cleaning and sanitizing filters. The product can be sprayed on the filter or the filter can be dipped in the product.

# ZEP FOAMING COIL CLEANER

Aerosol Foaming Detergent for Cleaning of Fin Fan Coolers & Filters



1. Spray the product evenly on coils



2. The seize effect of the foam allows the product to prolong its detergent action in the narrow space of the fin

In summer time the product is rinsed by the condensate.  
If maintenance is done in winter, product must be rinsed with water

3. The soil removed by ZEP Foaming Coil Cleaner is eliminated by the condensate drainage.



# ZEPYNAMIC A

Aerosol Sanitizing Deodorant for Sanitizing of Filters and Fin Fan Coolers



1. Remove the filters from the air-conditioner



2. Spray *Zepynamic A* evenly on the filter

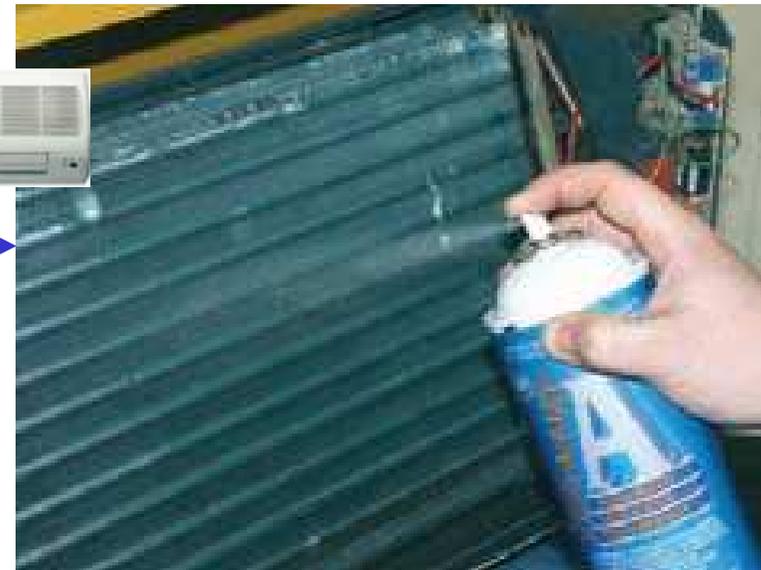


3. Spray also *Zepynamic A* on the fin fan surface of the air-conditioner

After its sanitizing action,  
*Zepynamic A*  
will release a pleasant scent



4. *Zepynamic A* is effective also coils



# ZEP VENTURE AC

**Aerosol, 2-in-1 Detergent & Sanitizer for complete treatment of fin fan coolers & filters**

**ZEP VENTURE AC is a single, ready to use multifunctional treatment in aerosol form. The product's main characteristics are:**

- **It is compatible with all of the materials used in heating/refrigeration systems**
- **The foam seizes on the vertical surfaces increasing contact time for a better cleaning and sanitizing action.**
- **Very effective against Legionella Pneumophila**
- **Very active against many microorganism and bacteria as certified by the Pasteur Institute (Paris)**
- **Excellent detergent that helps recovering thermal efficiency**



# ZEPTABS

Anti-Bacterial Tablets for prevention of stagnant water in drain pans



**1.** Open the bag



**2.** Mechanically remove any material clogging the drain hole



**3.** Cut the blister to separate one tablet from the other 5 tablets



**4.** Insert the 5 tablets in the highest part of the condensate collector



**5.** Insert 1 tablet close to the condensate discharge pipe



**6.** The tablets must be positioned at opposite sides of the drain pan.

# ZEP SPLIT

Anti-Bacterial Tablets for prevention of stagnant water in drain pans



**1.** Open the bag



**2.** Cut the blister to separate one tablet



**3.** Trim the tablet's capsule in order to fit in the available space



**4.** Insert the tablet in the drain pan



**5.** Assure that the tablet is positioned upstream of the drain hole.