# Pan-TAB

## ——Condensate Pan Treatment




## Control Release Technology

Leap

Liao Ning Leap Industry Technology Co,.ltd

## Problems existing in the air-conditioning condensate system

Air conditioning, dehumidifiers and other refrigeration equipment widely used in public buildings, refrigerators, warehouses, hospitals, offices and factories will produce condensed water in the process of heat exchange with air. The water tray (condensate plate) and drainage pipes that collect condensed water often encounter the following problems:

- The system conditions are easy to the growth of fungi, bacteria, molds and other microorganisms;
- Environmental debris, corrosion products and biological clay gather to block the drainage pipe;
- Humid environment perishable, mildew produced odor gas;
- Air-borne spread of harmful bacteria, including Legionella;
- Cause other hazards to personal health and property losses.

## Pan-TAB Condensate drain pan treatment

Pan Tab Is a control-release biocides and mildew-proof tablets product with quaternary ammonium salt as the main active component, which has a good killing effect on bacteria, fungi, yeast, algae, biological clay and pathogenic microorganisms that threaten human health. When used, dissolve it in the condensate plate or the condensate water flow position slowly and release the active bactericidal ingredients, kill the bacteria, fungi, Legionella and biological clay mud in the condensate plate of the coil, avoid the blockage of the drainage pipe, kill the harmful bacteria in the water plate, and prevent the spread of diseases.

## Features and benefits

- Suitable for all air conditioning and refrigeration condensate applications;
- Control the accumulation of biological clay to prevent pipe blockage and avoid the overflow of condensate disk;
- No corrosive steam and toxicity, which can be used in the computer room;
- Control the growth of harmful bacteria, protect the environment air fresh, healthy;
- Water to release the biological activity, the product is 100% dissolved;
- Using the controlled release technology, the long-term effect is up to 6 months;
- A variety of specifications of products, to meet the needs of different scale system.




PT-15 PT-04 PT-01 PRO-90 PRO-60 PRO-30

**Pan-TAB Family**

## Key project comparison

- **More efficient, safe and reliable combination of active substances:**

### General product

The market is full of various names of "condensate pan treatment" tablets, most of which are chlorine, bromide these oxidation halogen bactericidal tablets products, used in water produced HClO play a role, the volatile halogen gas produced by this process is extremely harmful:

- Serious corrosion of refrigeration equipment, pipelines, fan coil pipe and evaporator;
- Cause corrosion of lines and components of computer room, data center and central control room;
- Create irritating gas, cause indoor air quality problems, harm to human health.

### Pan TAB treatment

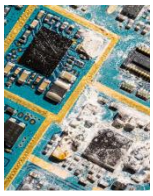
Pan Tab With the cation surface--active agent quaternary ammonium salt as the main active component, using the scientific formula combination, both sterilization, anticorrosion, mildew, corrosion inhibition, cleaning and other multiple excellent properties:

- The product itself has the corrosion relief effect, will not corrode the equipment and pipelines;
- Do not produce volatile halogen and corrosive steam, can be used in the computer room;
- Do not produce VOC, fresh air, to protect the health.

Use a comparison product



Corrosion refrigeration equipment



Corrosion of environmental facilities




Harm personal health

Use Pan-TAB



No corrosion to equipment



Security to the computer room



Protect personal health

- **Validated control release technology:**

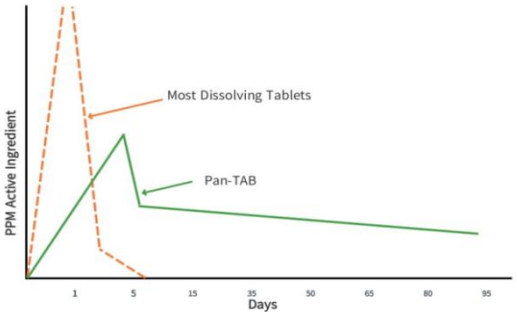
Many condensates tablets on the market is based on using "tablet" under a small amount of contact condensate, local gradually dissolve the "conditions" to achieve long-term effect, tablet itself does not have slow release or control release performance, in case of system high load operation or other factors affect the tablet, the tablet may be in a few days or a few hours all dissolved, and into the channel. This can disinfect and clean the condensate tray and condensate pipes in a short period of time, and then lose their protection.

Pan TAB The CRT (Control Release Technology) controlled release technology with independent intellectual property rights is adopted, which is manufactured through multiple controlled release process to stimulate the product activity in water, and then slowly permeate and controlled release to achieve the purpose of long-term effect. The maximum release time can reach 6 months.

## Pan TAB VS Others




Slow-release performance comparison photos




Schematic of slow-release performance

## Product specification and use

| Model | Size g/Tablet | Tablet Per Jar | Weight Per Jar | Tonnage | Dosage |
|---|---|---|---|---|---|
| **PT-01** | **1** | **48** | **48g** | **1TON** | Condensate drain pan: General guideline is to use 2～4 pills each one TON system, It will be effective for 2 to 3 months.<br>Humidifier: General guideline is to use 1 pills treat 40～80L water, 1～2 times a month |
| **PT-04** | **4** | **12** | **48g** | **1～3TON** | Condensate drain pan: General guideline is to use 1～2 pills each one to three TON system, It will be effective for 3 to 4 months.<br>Humidifier: General guideline is to use 1 pills treat 100～200L water, 1～2 times a month. |
| **PT-15** | **15** | **6** | **90g** | **5TON** | Condensate drain pan: General guideline is to use 1～2 pills each 5 TON system, It will be effective for 3 to 4 months.<br>Humidifier: General guideline is to use 1 pills treat 200～500L water, 1～2 times a month. |
| **PRO-30** | **30** | **4** | **120g** | **10TON** | Condensate drain pan: General guideline is to use 1～2 pills each 10 TON system, It will be effective for 3 to 4 months. |
| **PRO-60** | **60** | **2** | **120g** | **20TON** | Condensate drain pan: General guideline is to use 1～2 pills each 20 TON system, It will be effective for 4 to 5 months. |
| **PRO-90** | **90g** | **1** | **90g** | **30TON** | Condensate drain pan: General guideline is to use 1～2 pills each 30 TON system, It will be effective for 5 to 6 months. |

## Typical Installations







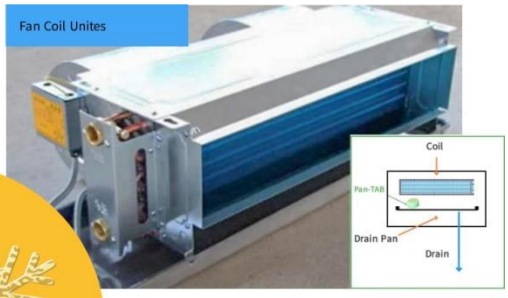
Refrigeration










Air Conditioning










Refrigeration




辽宁力普工业技术有限公司
力 普 工 业 Liaoning Leap Industry Technology Co.,Ltd
地址：辽宁.沈抚新区.中科大街 8 号
电话：+86-24-56607499 Fax：+86-24-56607199
http://www.lnleap.com E-mail: sale@lnleap.com