

HVAC Revival

*World's only HVAC **GREEN** Revival process:*
Vappro: **V**ap-**P**ro: **V**aporbased **P**rotection

Old units restored to near original condition
@ 25-35%* of NEW Unit cost
****Business Plus,** Mumbai, **INDIA****

Malad's Tecnimont Certificate: 2011:

1-time coating = 12
Years leak-proof life



Business Plus



Mani Bhuvan, 2nd Floor, 11, Sadashiv Lane, Opp. Sicka Nagar, Mumbai-400 004, India.
Tel. (Off.) : 23880007 • E-mail : ecochemplus@hotmail.com

Ref. No. : 2011/0000000000

Date : 05.06.2011

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the HVAC

- (a) Copper condenser tube coating work of (i) Condenser ☐ (ii) Cooling Coil ☐
(b) Fins Coating ☐ has been carried out by us for
M/s. CRE:USA, 122, Pioneer Ind. Est., Jogeshwari (E)-60. at there client site
M/s. Tecnimont, ICR, Mind Space, Link Rd, Malad (W), Mumbai.
situated at place : Mind Space, Malad (W).

The coating work is carried out by using (a) M/s Magna Chemicals, Singapore product, Rust Guard. This product is approved by US Military & NATO, **MAGNARUST GUARD, Meets MIL-C-0083933 (MR), MIL-C-16173 D (Grade 4).**

- (b) M/s Magna Chemicals, Singapore product, Vapro 886, cooling coils fins coating
(c) M/s CRE:USA, Fins Coating Product, Weather Proof Coilshield/First Strike MICROCOAT, USA, 5 Years coating Life fins coating, for VRV cond. units, Blue color. x 2 units
The QUICKGUARD film is "dry to touch" in nature, self healing, with corrosion inhibitors.

TECNIMONT, MALAD, MUMBAI:
CIRCA 2018



Circa May 2023



Circa May 2023

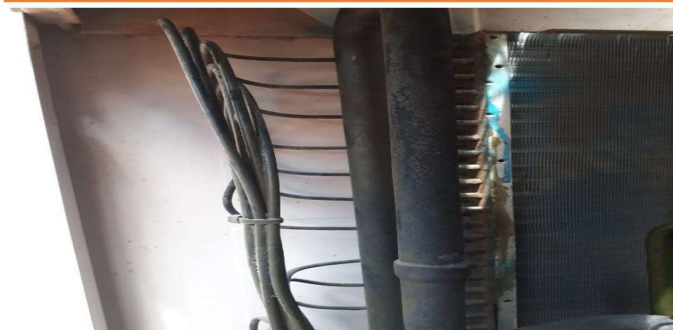


Tecnimont, Malad, Mumbai

CIRCA 2018



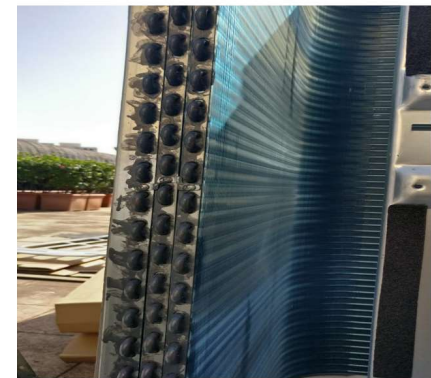
CIRCA 2018



**New Unit of different brand coated
in May 2023**



**New Unit of different brand coated
in May 2023**



Tecnimont, Malad, Mumbai: Circa 2023

BKC site: 2 different coat photos: 21st March 2023

Sasta Vs Professional coating, same OEM units

Local Coat: assumed life of 24 month

- 2 Air cool chiller of 80 Tr coated for Brazing joints and Fins in say approx. 12-18 months back
- Coating colour: GREEN, Brand applicator, etc. Not known
- Photo clicked on 21st March 2023

Imported coating: Vappro 886, Life of 24 months

- VRF systems of 8, 12 & 15 HPs, brazing joints coated in 2018 January for 24 months coat life
- 2 coats of **Vappro 886** from **Magna International Singapore**, top coated with Indian branded Silver paint.
- Photos clicked on 21st March 2023

**All units (Site: BKC) on same Floor,
directly facing Mithi River**

**Chiller coated by Local
Product: Fins + Brazing joints**



**VRF Brazing joints 1-time
coated of Vappro-886**

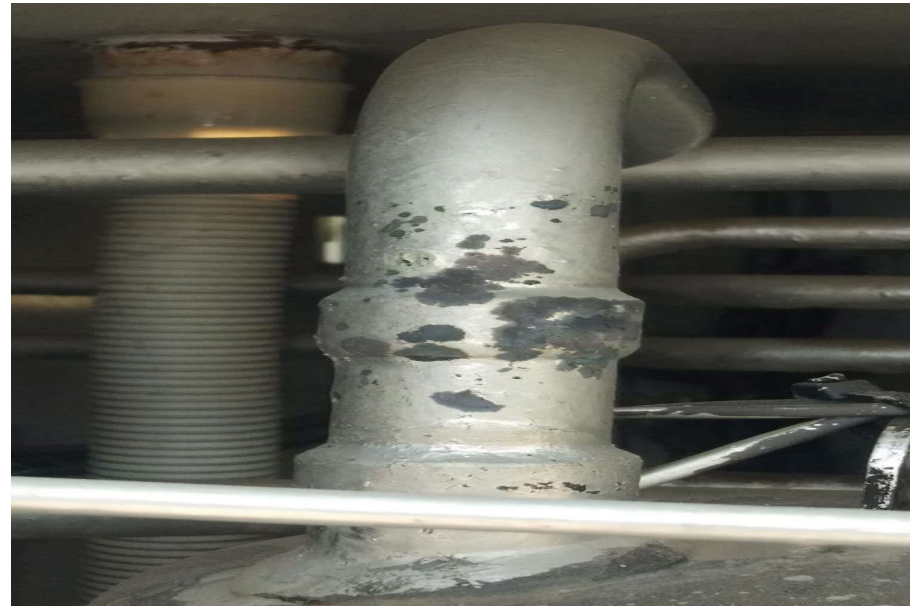


SASTA ^VS PROFESSIONAL (in BKC)

**Local coating: Not Surviving
enviro corrosion**



**Vappro 886: 63+ months,
protected Local Silver paint and
Shine**



Pictures clicked on 21st March 2023

(Site: BKC)

After 18 months...

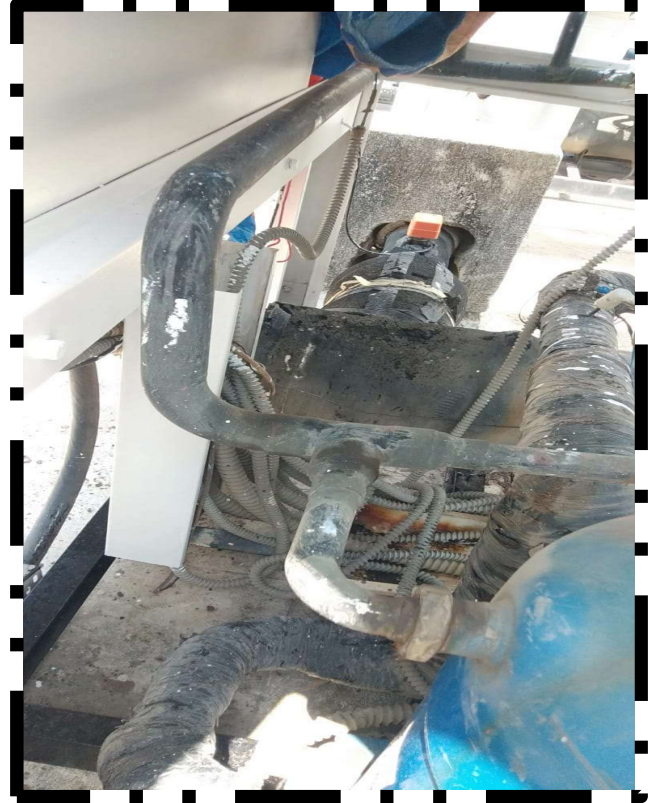


After 63+ months.... Still protecting



SASTA: LOSS OF INVESTMENT FOREVER

(Site: BKC)



ROI: paid 24 months, U got: 63 + Months
(Site: BKC, Mumbai)



HVAC Restoration

World's unique process, since 2008

What is **VAPPRO**?: Vapor-based Protection

VAPPRO* Trade Name of Magna International, Singapore.

HVAC Old units can be restored back with better protection, as old rust-Scales-Oxides have been removed, without damaging: Base Metals-Paints-Plastic-Rubber so coating has better grip and is not 'flaked-away' or else, new coating if done over oxides-rust, it cannot have long life.

- Fins have been clean of dust, oil, oxides with various coil cleaning chemicals, n later coated with Anti Corrosive coating.
- **Vapro-867**, Biobased oil will adhere to Older/New surfaces
- 60-90%of HVAC working units can be restored to near full glory n efficiency
 - Each case will be uniquely treated depending on units' conditions

Revival+Protection

For older working
units in corrosive
areas: Pan India

*Each case is/will be
unique and treated
separately

Restore 60-90% of
units, *within 24 months**

- Fins
- Cu Tubes
- Deep Coil Cleaning
- Ahus Restoration
- Control Panel / Servers Protection
- IAQ
- Entire HVAC unit

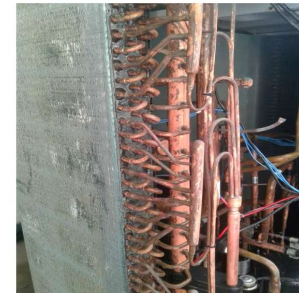
Energy Savings: Zero row visibility to *3 row visibility*

- Coil restored to near original efficiency
- *3 rows visibility, From both sides*
- **Cleans old contamination + Blockage + Bio-Growth**
- Cleaning in site for 100% choked coils,
- No Mechanical / Chemical damage

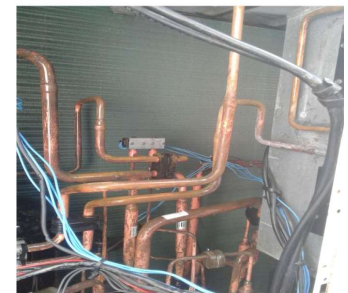


Copper Tubes Cleaning + Coating
Chemical safe on Metals/Paints/Plastic/Rubber etc

Chemical ACTS only on
Rust/Scales/Oxides



Chemical cleaned + Coated of V-886



HVAC REVIVAL BENEFITS

SUPER GREEN CLEAN

What is VAPPRO?: Vapor-based Protection

- Bio-based, RoHS, USA MIL Grade, NATO MCRL listed,
- World's Best + ONLY **GREEN** clean program,
- No Issues: Environmental / Legislative / Efficiency / Economy
- Energy efficiency retained + maintained
- Best Hygiene, IAQ improved
- Equipment Life extended nearly doubled
- HVAC Revival = Stretching Investment
- Achieve Green Building market leadership
- More money can be generated in Services

Revived HVAC = “New” unit + IAQ+ Energy Saving

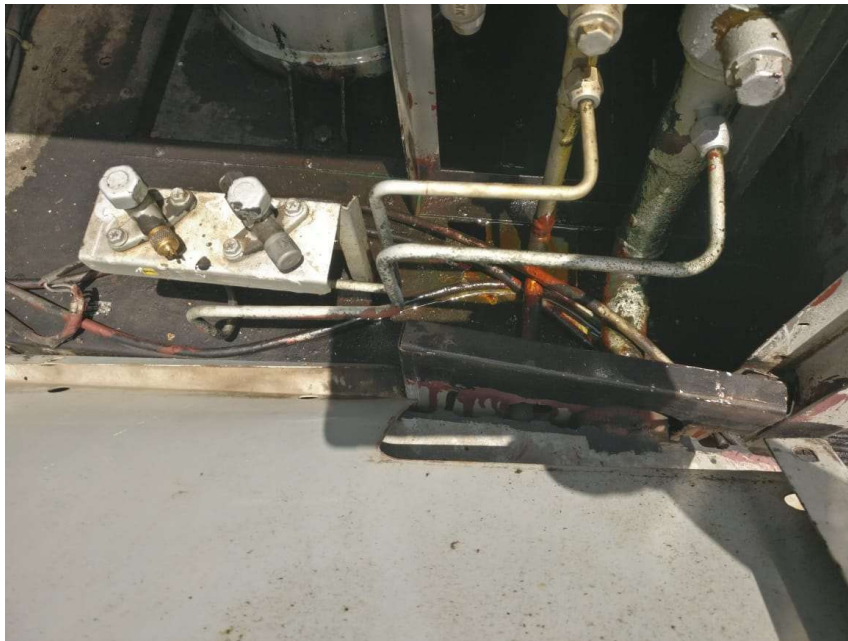
What is VAPPRO?: Vapor-based Protection

Cu Tubes Protection Of 2016-17 BKC ODU's (opp Mithi River) working units:

VAPPRO 867: Biobased Oil April 2024

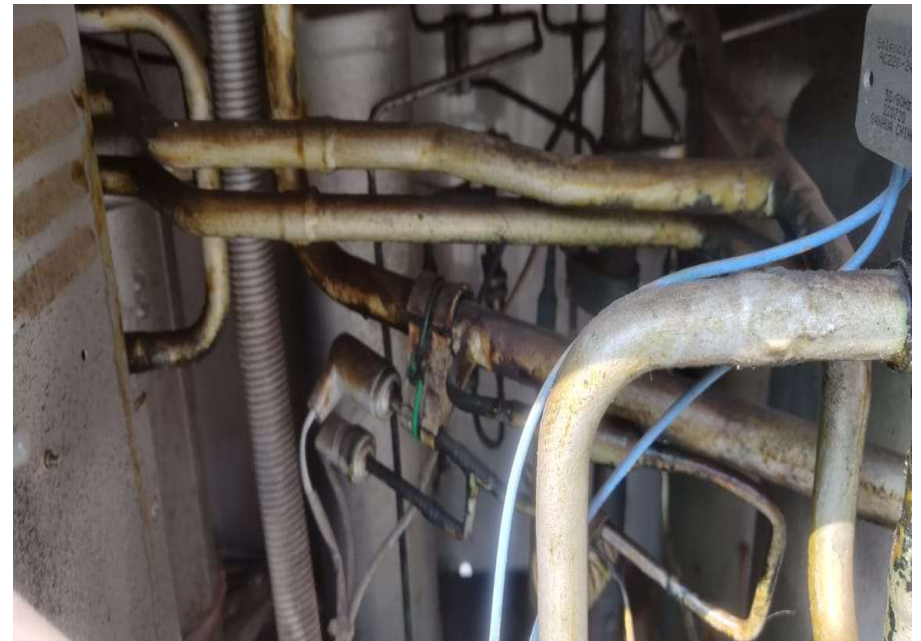
Before Coating: Oil seen all-around

Units were regularly leaking. (ODUs Coil Changed...).



After coating V-867, Golden film seen after 8-9 months
in January 2025, after ODU's Coil Changed.

No-Leaks seen after April 2024 coating Protection



What is NEW AGE CLEANING?

Cleaning is combo of

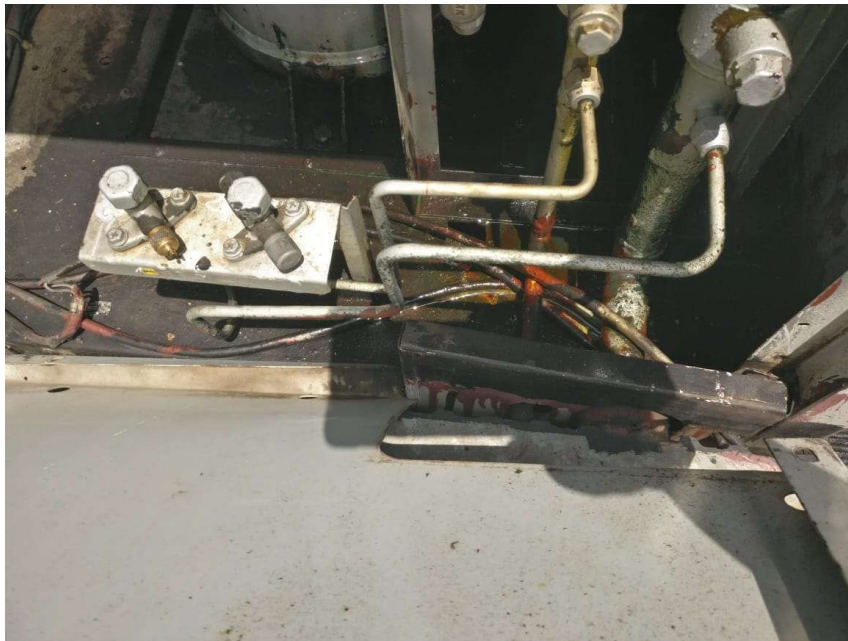
- **Mechanical Cleaning:** Machines + Accessories + Heat etc.
- **Chemical Cleaning:** Green Chemical Cleaning, save Coil & Nature
- **Huge Savings:** *Instant Energy savings, IAQ improvement @25-35%*
cost of new investment, *Extend ROI.*

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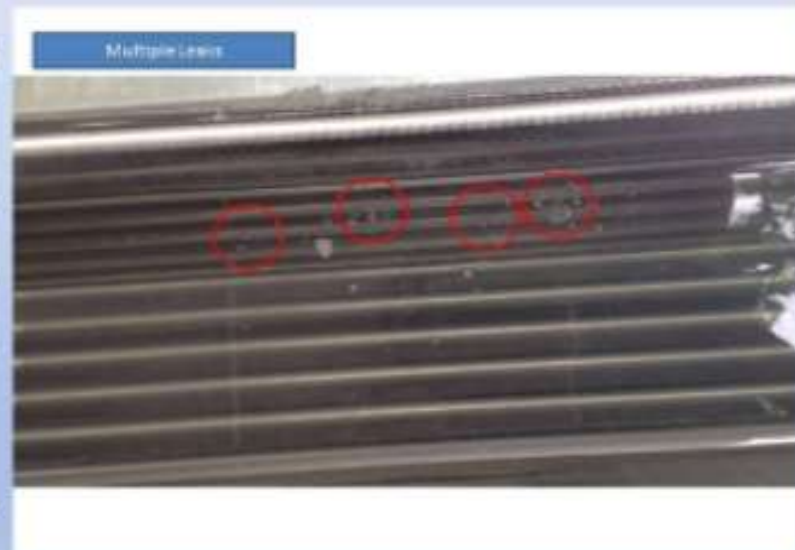


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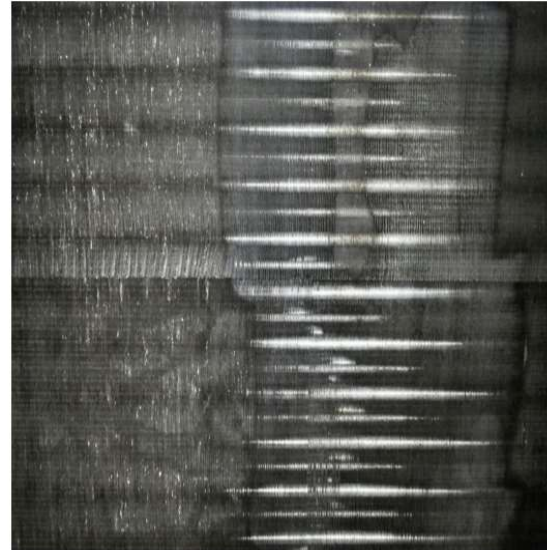


Premature IDUs Leaks: Biggest Headache of OEMs, Pan India.



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- **Cleans old contamination + Blockage + Bio-Growth**
- Cleaning in site for 100% choked coils,
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DEEP COIL CLEANING PROOF*

*: Ask for VDOs

Semi Clean Coil



Deep Clean Coil



Fins Restoration

FINS RESTORED: **SUPER GREEN CLEAN**

Coil Area Before Restoration



Restored Coil Fins Area:

SUPER GREEN CLEAN

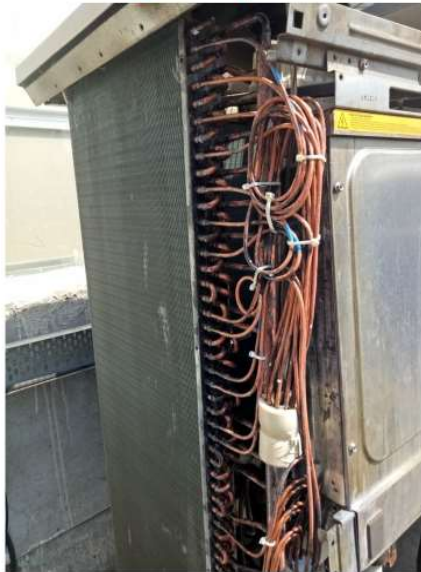


6-7 years old units were taken for restoration and corrosion coating, as site have some leakages issues.



ODUs Header

Chemical coating completed, Transparent



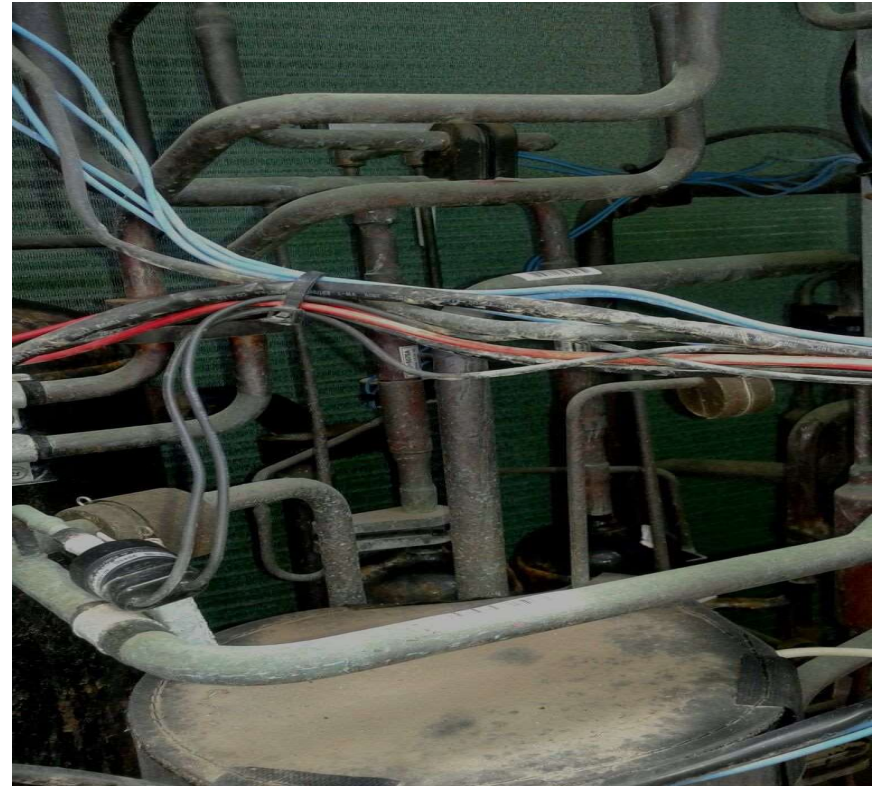
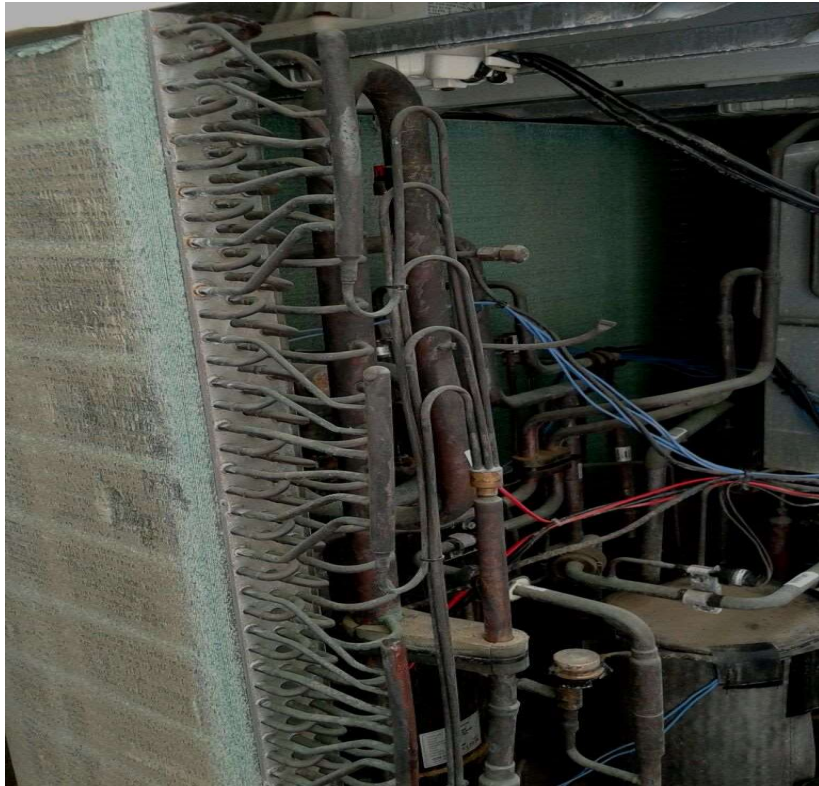
Chemical coating Top coated with Silver Paint



HVAC REVIVAL in TRUE Sense



SALT DEPOSITS Affected NEW Unit



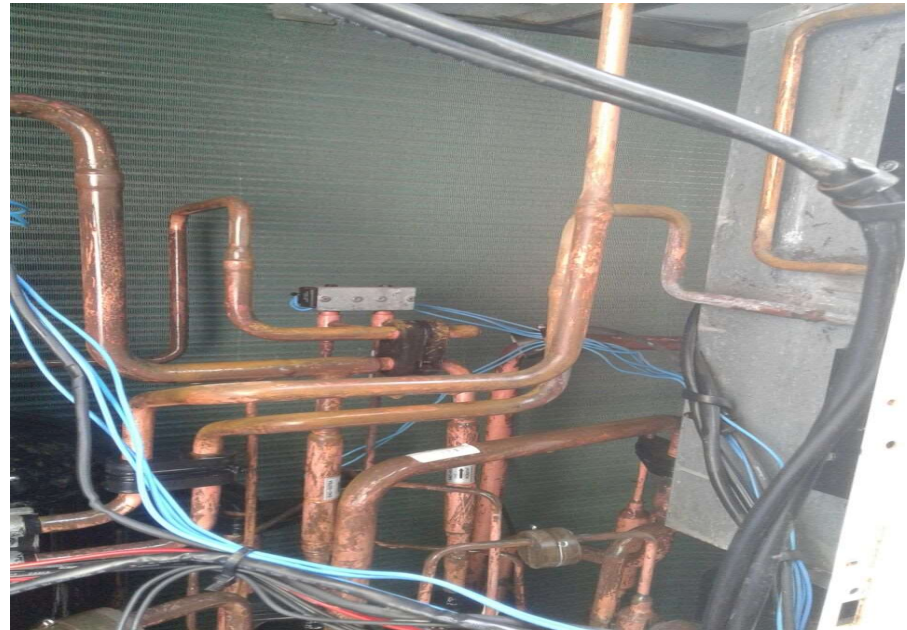
Copper Tubes Cleaning + Coating

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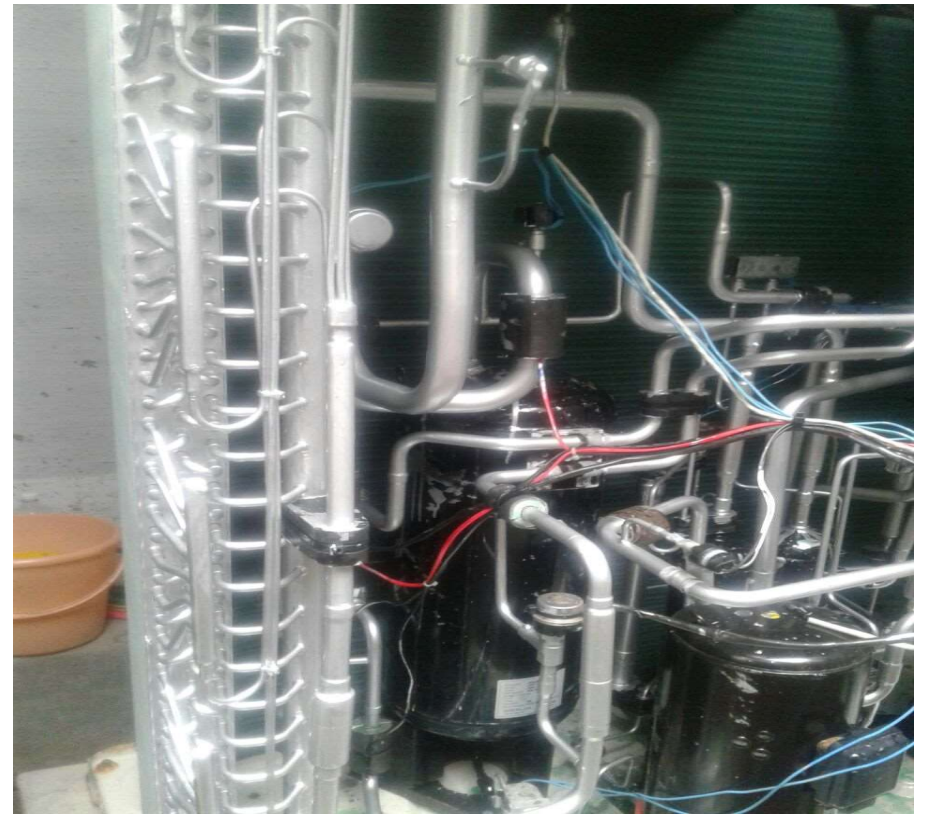
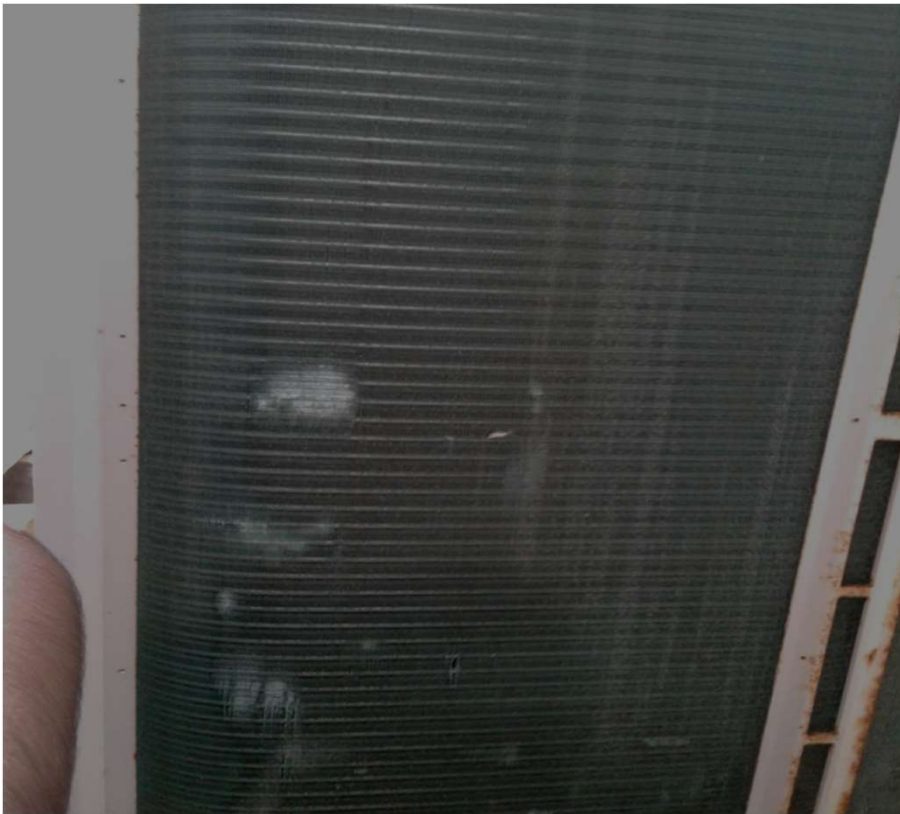
Final Finish V-886 Top coated with Indian Silver Paint



See The cleaning process Difference



Final GREEN Clean + Fins Coated coil, Inside & Outside coil area



Successful Tough sites: Taloja, Refineries, ETP...
WE ARE READY FOR CHALLENGES...

**Chennai 7 days failure site completed
7+ years successfully**

- Concerned OEM faced huge challenge @ this Chennai site.
- Within 7 days of installation 1st unit failed
- 2nd units too failed within 7 days
- On 3rd installation, we were being called, units coated is near completion of 7 years(2025), NO Leaks till date, units faces ETP plant

**RIL J3, Jamnagar Site completes 7+
years for 170 HP x 3 sites (2025)**



Magna International, Singapore

Unique Features: FUTURE READY

No competition world wide

- **Bio-based**, Biodegradable, Environment friendly,
- USA Military grade, **RoHS**, **NATO Overpowered** etc.
- **Non-Toxic**, Multi Metal safe, Works in Hard water*
- **Chemical bath** ^{Extend ROI} can be **heated: Fire safe** / **No Over powering fumes**
- **De-scaling** chemical bath can be re-used, just maintain pH by extra Top-up. Final Bath can be used as coil cleaning liquid.*
- **Powder forms** solves logistic problems in Transport / storing / handling / spillage can be re-collected + re-used.
- ***: Works in Hard Water** up to 500 PPM, **Pan India same results**
- **Storage life:** Un-limited, except unless mentioned

SUPER GREEN CLEAN

Bye: Mechanical Brushing



100% Metal Safe Cleaning.



Cooling coil Snaps before cleaning



Cooling coil Snaps after cleaning



Tube visibility
after cleaning
is 3 row deep



SUPER GREEN CLEAN

NEW AGE CLEANING: ENERGY SAVINGS ON OLD UNITS REVIVAL

- **Heavily discounted HVAC Revival GREEN cleaning**
- *Instant* **Power** savings: Why waste energy mindlessly, on same old units
- *Instant* **Time** savings : Make cleaning Efficient, Shun old age practices
- *Instant* **GAS** savings : Save Enviro, Prevent Gas Leaks,
- *Instant* **Water** savings : Water is Not endless, Work in Hard water, recycle water + chemicals
- *Endless* **Possibilities** *raise the bar of work* + efficiency + reduce labor & time and **SAVE** cash with better cleaning, IAQ improvement, ROI.

POST-COVID-19 ERA

WE DAILY ...

Eat: 1 kg/day

Drink: 4 liters/day

Breathe: 12,000 liters/day

**Choice is
yours what
air to
breathe at
Work + Home.**



Legionella-X

**Range of Hospital Grade
Disinfectants:** Efficacy of 99.9999%+

100% Kills entire H5N1 range + others

Viral Shield 180: 1-time fogging= 180 days,

Air freshener+ Disinfectants,

BIO-GROWTH COIL CLEANERS

Hard Surface cleaner * Hand sanitizers

Floor Scrub, Air + Water Sterilizers units

Spray / Fog to kill infectants

Legionella-X Range of Hospital Grade Disinfectants,



NATO Stock No. 4460-320798489

FEATURES AND BENEFITS

- Multi-function O3 water and air sterilizer
- Eliminates viruses, bacteria, molds and fungi
- Easy to use
- No filters needed
- Automatic timer mode
- Virtually Maintenance free

overview

The Legionella X-250 O3 Water and Air Sterilizer is an easy to use, multi-function home sterilizer. This portable sterilizer uses the earth's natural way of purification to neutralize bacteria, viruses and molds. Ozone is a powerful oxidation agent for many disinfecting treatment and purification. It is a natural colourless gas with a distinct, fresh smell.

Now with Legionella X-250, you can:

why choose Legionella-X 250?

Ozone is the most effective and economical way to neutralize bacteria and chemicals found on our food. As a powerful oxidation agent, ozone is 3-5 times more potent than chlorine in destroying germs, bacteria and viruses.

Ozone sterilization leaves no chemical residues or other side effects.

Ozone does not alter the taste or smell.

why do customers find the Legionella-X 250 effective?

It employs active cleaning technique. Enriched oxygen is produced to remove airborne contaminants by attacking the sources of pollution directly, thus removing the source of odour and germ problems.

specifications

Ozone Output

1st in India Bio-based HVAC Chemicals

Environmental + **Regulatory** + **Performance** + **Economy**: Issues Addressed

Biobased Products: Industry + Environmental Driven Solutions

Special Features

Non-Hazardous
Meets In-House Air Quality Test
No Harsh Odour
Environmentally Friendly
Non-Acidic
Non-Caustic
Neutral pH

Water Based
Non-Flammable
Non-Combustible
Solvent-Free
VOC-Free
Ozone Friendly
RoHS Compliant



Products from: Magna International, Singapore. USA Mil Grade / NATO MCRL listed etc.

| Item | Features | Unbeatable Features + Eco |
|---|---|--|
| Cleaning & Maintenance Chemical | Nonyl Phenol Free Cleaning Agent , Liquid / Powder, Degreasers queries solved | Powder/Liquid Works in Hard water 500 PPM, Dilution : Alkali:1:100/ Acid Acts only on Rust-Scales-Oxides |
| De-scaling Chemicals Reuse bath multiple time. End use as coil cleaner | Reusable , maintain pH by Top-up, M-Red NEW pH Indicator type chemical | Reusing Bio-based products, help in Environment pollution, in plant Fire Heating chemical bath hastens des |
| Anti-Corrosive Coatings : Flexible, 1-time coating , High pH fumes resist Features: Not available Pan India with any other coaters | 100% success rate in India since 2004 , 60 months coating has worked for 12+ years, @ Malad Mindspace 100% success Pan India, with various OEMs. | Premature leak arrested , leaks be straight tubes. Such leaks occur with warranty period, can be arrested, Conforms to USA FDA* . Transpare coating with VBCI vapors, protects surrounding and inaccessible parts. New units protected from Day-1, For Older working units and Fins T&C apply. Toughest sites are w |
| Anti-Corrosive Coating : Thixotropic Liquid, VOC FREE, Biobased | Useful for Old exposed units. No need to clean the oxides, coating penetrates through the oxides, and protect the base metal | For Older working units T&C app Will not wash-away in monsoon, Not suitable for Fins coating, Toughest sites are welcome, |
| Control Panels, PCBs, VFDs etc. corrosion protection | VBCI Vapor based protection, covers un-reachable areas | Brand new units protected from Day old working units T&C apply. VBCI PACKING Range also available |
| Hygiene 99.9999 + % | 1 time fogging = 180 days | Protection for major unanimated s |

E: Details given here in brief, more details in Data Sheet, **Our assurance is only for product** ication and regular maintenance process need to be followed, or else warranty is void

Sasta Vs Smart: Be A smart Crow

SASTA WORK

- Cheap: Bare features
- No Quality, No assurance
- Your company + Team entire work is never appreciated
- NO ROI, NO appreciation

SMART WORK: Price + Features

- Our Coating un-matched features Pan India: Wide Range
- ECONOMICAL: **NEW BIOBASED Range**
- Elongation / Flexibility
- Toughest **pH** Fumes protection
- Conforms to Highest International standards
- ROI, ***Longer Life-proved***



Business Plus :: Assures

(100% imported chemical, US MIL / NATO MCRL listed, RoHS etc)

- **100% Green process**: Save Chemical, Water, Power, Down time
- **Extend Equipment Life** RoHS, Metal Safe, USA MIL grade products
- **Instant Energy Savings** from **avg.** 2-5%: Restore, Reduce Slippage, Leaks etc.
- **Restore Old units** to near new conditions
- **Drastically reducing cost and promoting indoor air quality**
- **Enjoy Staff Productivity increases** and sick leaves reduction
- **Keeping** IAQ high and HVAC systems running smoothly is essential to keep any facility and its occupants healthy.
- **HVAC / Facility managers** can **rely** on us to play, critical role with all of the HVAC diversity of operations, clean, well-maintained, and safe.

Revived HVAC = “New” unit + IAQ+ Energy Saving

Remember

There is **MORE** Gain in

HVAC *Revival*

Rather than **replacing** OLD UNITS

HVAC Revival is \$\$\$ \$uper Saver

Cleaning + Maintenance Hygiene / Corrosion

Consultancy - Services - Supplies

Your 1 stop shop: for all HVAC Biobased solutions

Maresh R. Mehta

Business Plus

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dearmagna@gmail.com // ecochemplus@hotmail.com

2 Decades with Magna Partnership:

Bio-based: STAY AHEAD OF THE CURVE

Environmental, **R**egulatory, **P**erformance & **P**rice Concerns Addressed

What is VAPPRO?: Vapor-based Protection