

Singapore's leading inventor and the Singaporean with HIGHEST NUMBER OF PATENTS from the Intellectual Property of Singapore.

BioBased+Biode-gradeable, Green HVAC Revival: World's Unique, Restoration + Energy Efficiency, HVAC Cleaning/Maintenance/Energy Saving, Protection 1-14 pH fumes+200% elongation, Hygiene 99.9999%, Caustic Substitute, Water Soluble Plastics VBCI Bag/Packing Etc., Copper Tube Shine Protection

HVAC Revival: World's Unique Program :

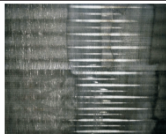
- **100% Choked coil Restored** @ site, Instant Energy Saving, Increase Coil life, Better Air quality
- **Descaling Reuse** Chemical bath, Just Top up, to maintain pH, Color indicator, Mech Tube cleaning
- **HVAC Protection:** 1-time coating for 2/3/5 years, 1-14 pH Fumes resist, 200% Elongation
- **OLD Exposed / Corroded Units** Tubes / Fins Restored: World's Unique process
- **Cu Tubes Shine Protection** for Cu Tubes manufacturer
- **VBCI CORRO Tapes:** Brazing Joints etc protection, Salt Spray tested, max 24 months life
- **Hygiene 99.9999%**, 100% H5N1 Kill, World's unique, RoHS, range of Sanitizer



LEGIONELLA-X®
HOSPITAL GRADE DISINFECTANT

HVAC Protection: For New / exposed Units

- World's Unique process: GREEN, Metal safe, Non-Toxic
- Range of Cleaning Chemicals, Bio Degradable, Multi Metal safe,
- One-time Coating for 24 / 36 / 60 months, several sites, coating has worked far behind,
- 1-14 pH Fumes protection, • 200% Elongation
- Green Cleaning for old units, Chemical safe on Metals / Paints / Plastic / Rubber
- Protection for Fins / Cu Tubes / PCBs / Control panels / Body etc
- VBCI Corro Tape: Protects your brazing joints from leaks



HVAC Chemical: Our principal Inventor with Maximum Patent from his country
Coil Cleaners / de-scalers / Coatings / Hygiene / Water Treatment range/

Lubricants / etc, Caustic Substitute: Magna White Powder,

Raw Acid Substitute: Magna WPD Acidic Powder

Several chemicals are Bio-based, Bio-degradable, Powder / Liquid form, Highly Concentrate saves freight, Space, handling etc.

- 1 Kg powder=100-liter water dilution for concentrate Alkaline solution

- Widest Range in Acidic / Alkaline / Neutral / Bio Growth cleaner

- Multi Metal safe • Non-Toxic, In-plant Fire Safe

- Works in 500 PPM hard water, same results everywhere

- **General Purpose cleaner:** Cleaning Plant / Silverware / Equipment / Vessels / Glass / etc 1:100 dilution,

Rusted + Oxide
formed tubes



Super Cleaned:
Metal safe, Non-Toxic +
Non Corrosive,
Ready for coating

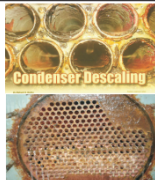


De-Scaling: Powder / Liquid form

- Re-useable, just top up to maintain pH
- Bath Doesn't turn black
- In plant Fire Safe, No Overpowering fumes, hastens the process
- Mechanical Tube cleaning, effective for internally enhanced tubes

HVAC Equipment: Professional Equipment

- Pressure Pumps + Accessories
- Extra Accessories to work in tight space
- Air Cool Chiller Cleaning: Work without touching Unit, NEW, First time in India
- Mechanical tube / drain cleaning

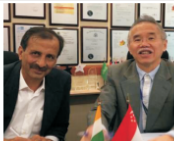


Business Plus

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Magna
Cleaning And
Maintenance Chemicals

Inventor of Vapro VCI (Vapour Corrosion Inhibitor), Lupromax HAT (Heat Activated Technology Lubricant), Vapro MRST (Molecular Reaction Surface Technology), CRIs (Concrete Rebar Inhibitors), Biolubri (Bio-Lubricant), VBCI (Vapour Bio-Corrosion Inhibitors), CCIT (Colloid Corrosion Inhibitor Technology), Baczyme (Bacillus Enzymatic Chemicals) Corpro (Cathodic & Anodic Corrosion Inhibitors) Viscopros (Viscosifier for hydrocarbon), Legionella-X Disinfectants (100% Killing Rate Efficacy Against H5N1 and Legionella pneumophila). Inventor of Mineral VCI Paper.



- **Cu Tube Shine Protection:** For Cu Tubes manufacturers: doesn't affect Heat Transfer / helps stay Cu tubes brighter for longer period / Coating Resist Enviro corrosion
- Protect copper and its alloys from oxidation, by reacting with copper oxide on the surface of copper or copper alloys forming a strong insoluble polymeric complex.
- Protective film on the copper surface, is few molecules thick, that provides a mechanical and electrochemical barrier against corrosive attack.
- The protective layer has a high degree of thermal and oxidative stability. It remains stable when exposed to acidic, neutral or alkaline conditions, elevated temperature, ultraviolet light and oxidizing conditions.
- May be diluted with water up to 5 parts deionized or distilled water. Heat solution up to 40°C to 80°C and immersed metal substrate for 5 to 10 minutes before air drying. Allow it to cool before packaging
- **Other World Class options** for Anti corrosive packings of Cu tubes etc: 4 Global award winner-VBCI SoluPlast: Water Soluble plastic + Anti Corrosive protection, Mineral Stone Paper: World Patent, Nor Paper or Plastic, With Anti Corrosive features, VBCI Masterbatch Additive for making Anti Corrosive Plastics, VBCI Films, Papers etc,



Solubility in Seawater



Both bags are immersed into beaker of seawater



Vapro VBCI 826 SoluPlast totally dissolved in seawater



Vapro VBCI 826 SoluPlast is an EFCI-Environmentally Friendly Corrosion Inhibitor Film/Bag

Water Treatment: Widest Range

- Sea water Corrosion Control: World's Patent, RoHS, US MIL grade, NATO MCRL listed useful for Cooling Tower, Tank Pressure testing etc,
- Coating Products for Saline plants,
- Full water treatment range

GENERAL PRODUCT RANGE:

- **Vapro SoluPlast Water Soluble Film Has Won Quadrable Awards in 2019**
- Convert Farm waste to useful packing products
- **Fuel Additives:** Diesel Additives reduces air pollution with just water & Carbon Dioxide
- **VBCI: Plastic Additives based on Bio-Products,** end product protect from Corrosion of pack items
- **Mineral Stone Paper:** Alternative to Paper / Plastic with Anti Corrosive properties
- **Vapro WCW- Waterless Car Wash** to conserve the earth's most precious resource-water.
- **VBCI Moisture Absorb,** Food Grade Hydrophile, Absorbs 300% by weight, 7 times more of Silica
- **VBCI Corro-Pill:** Solution to all your corrosion Headaches: Bio-based, Dry method of protecting metals within a package, Max 30 months protection for Ferrous + Non-Ferrous metals, useful when packed in corrugated boxes, plastic wraps or bags and metal or wood containers

Vapro VBCI Series

A class of environmentally friendly corrosion inhibitors for a cleaner, greener, better tomorrow.

ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE

ISO 9001
Certified

ISO 14001
Certified

DEEP CLEANING

- Mechanical + Chemical cleaning
- Deep coil cleaning restores original efficiency
- Saves Water, Chemical, Power & Labour
- Helps work in 'tight' places
- No damage to fins
- Deep aerosol spray flushes out contamination from slit fins
- Professional pumps helps works continuously
- Pumps have chemical inlet / tank
- DG Radiator Coil Cleaning / Degreasing

