The Right Prescription for the Pharma Industry’s Needs
COOLING TOWER & BOILER WATER MANAGEMENT
- Complete range of products for scaling, corrosion, fouling & bio-control management
- Cleaners & disinfectants for process equipment
- Remote monitoring, measuring & control systems

PRETREATMENT
- Full range of filtration & polishing equipments
- Feeding water pretreatment chemicals including flocculants, coagulants, softeners
- Complete range of feed water filtration equipment including multi-stage filtration, carbon filters, reverse osmosis, ultrafiltration, nano filters, reverse osmosis
- Electrodeionisation, deionisation equipment, electrodialysis equipment, distillation, carbon filters, deionisation equipment, electrodialysis equipment, distillation
- Complete range of polishing & filtration equipment including activated carbon filters, sand filters, membrane systems, etc.

ZERO LIQUID DISCHARGE
- Multi-effect evaporator
- Thermal vapour recompressor (TVR)
- Mechanical vapour recompressor (MVR)

PHARMA WASTE WATER TREATMENT / RECYCLE
- State-of-the-art biological & advanced treatment processes for complex effluents –
  - AOP, MBF, MBRO, MBR, LBX, CAF, AOP
  - Recycling systems incorporating ultrafiltration, reverse osmosis, forward osmosis, multi-effect evaporator
  - Ranges of polyethylene/polyester for colloid, BOD, COD, TSS removal, etc.
  - Selectively adsorbed bacterial cultures

SPECIALITY RESINS / ADSORBENTS / MEMBRANES FOR PURIFICATION & CONCENTRATION
- Ion-exchange & ion-exchange processes
- Permeation broth clarification
- Enzyme concentration
- Deactivation of organic acids
- Production of organic acids from organic acid salt
- Deactivation of intermediates for medicines
- Removal of contaminants
- Purification of polysaccharide (PTC)
- Desalination of brackish water
- Pre-treatment of kinship acids
- Isolation and concentration of antioxidants like ascorbic acid, vanillin, cinnamon
- Recovery of Vitamin B6, from fermentation broth
- New & patented biochemicals such as - Aloe vera juice purification
  - Psyllium / shefal win extract purification

HIGH PURITY WATER FOR PHARMACEUTICALS

SERVICES
- O&M, service contracts
- Water quality consultation
- Plant design, R&D, feasibility studies
- Plant-upgradation, automation, revitalisation
- Water systems on EPCM
- Integrated facility management
- Supply of genuine ion exchange resins, membranes, membranes, RO membranes, cleaners, after-treatment chemicals and offsite services

SERVICES
- Hot water supply
- Fog and plume unit
- Fully pre-sterilised IV
- Compliance with cleanroom IS & Ph. Eur specifications
- Compliance with cGMP / GAMP and QSE design
- Standards
- Fully automated with SCADA
Distribution Systems
+ Hot water sanitization at > 80°C
+ Implanted SS316 L tubes with original certificates with red EAMs <5 µA, others <15 µA
+ All pumps, UV water & filters in sanitary constructions
+ Chloride welded with pinwheel facility
+ Built-in spiral SPI and GMP guidelines
+ Fully automatic with SGS, BSI, CE conformed

Speciality Products for Pharmaceutical Formulations
Iain Exchange is the first company in India to have an ISO 9001 & 14001 certified state-of-the-art new manufacturing facility in Ankleshwar, Gujarat. We are also the first to have an USFDA compliant and WHO-GMP certified manufacturing facility for pharmaceutical excipient raw materials. Our R&D and technical experts interact closely with customers and develop solutions best suited to the manufacture of pharmaceutical formulations.

Our range of specialty excipient raw materials is widely used for several applications such as:

Taste Masking
+ Highly effective compared to other forms of taste masking
+ Usage in different dosage forms - suspensions, dry syrups, dispersible tablets, tablets, and capsules
+ Pre-solubilized and available in all pH range

Topical Drugs: Nonsteroids, Ofloxacin, Tetracyclines, Doxepine, Perhexalide, Furosemide, Chloramphenicol, etc.

Sustained & Controlled Release
+ Uniform, predictable & prolonged drug release
+ Can be formulated in any required form - suspensions, dry syrups, dispersible tablets, tablets & capsules
+ Ideal for all pH range

Vitamin B2, Stabilization
+ Significant reduction in overages. Only 2% overages in B2 formulation instead of 100%
+ Stable Vitamin B2 complex at much lesser formulation cost

Tablet Disintegrants
+ Remarkable melting tendency on wetting, causing rapid disintegration
+ Compatibility with commonly used therapeutic agents and excipients
+ Works equally efficiently in hydrophilic and hydrophobic forms

Enables mechanical strength of tablets, facilitating ease of packaging and transportation
Cholesterol Reducer

- Cholesteramine, when used as an active ingredient, binds to acids leading to repopulation of the bile acids through increased mobilization of serum cholesterol. This helps reduce serum cholesterol levels.
- Easy to use
- No inconvenience to other functions

Treatment of Hyperkalemia

- Effective for prolonged parathyroid dialysis
- Easy to administer, quick results

Speciality Chemical Treatment

We offer a wide range of customized INOXOH bicarbonate/alkalizing and flex-ible treatment programmes to combine beneficial neutral water treatments for optimum performance. Highly trained engineers conduct in-depth surveys of your plant and system requirements, along with the treatment programmes and regularly evaluate results to make required adjustments for optimum benefit.

Water Quality Monitoring Products

We offer an extensive range of process analyser and hand-held, portable units for measuring critical water parameters like conductivity, pH, turbidity, turbidity, etc.

Waste Water Recycle & Zero Discharge

Waste water recycle gives significant water and environmental benefits, by conserving large quantities of fresh water, reducing cost of water, enabling compliance with pollution control regulations and protecting the environment. Our advanced, cost-effective in-line technologies integrate physicochemical, biological and membrane separation processes for optimum water recovery, enabling up to 95% reduction in raw water requirements.

Our manufacturing units are ISO 9001 & 14001 certified. Our processes units are also OHSAS 18001 certified.

In our best of our knowledge, the information compiled in this publication is correct. For better information, INOXOH India Ltd reserves a policy of continuous development and reserves the right to amend this information given these efforts.

ION EXCHANGE [INDIA] LTD.

Corporate Office
IN-Tower, 1st & 2nd Floor,
IN-Complex, Sector 62
Noida-201301
Tel: +91 22 2693 9737
FAX: +91 22 2693 6797
E-mail: sales@ionexchange.in

International Division
14, 1TC NOID, Phase 1, Sector 16, Noida 201301
Tel: +91 22 2693 5830 / 5913 5483
Fax: +91 22 2693 5826
Email: sales@ionexchange.in

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