

DEMINERALIZED WATER SYSTEMS

Application

The Sphinx® design, fabricate and supply the Demineralized water plants required for various applications.

The Sphinx® Demineralized water solution is most suited in projects that require high purity water, reduced equipment damage, enhanced product quality and the quality of water meeting the stringent regulations. The solution is used in many industries such as oil & gas, pharmaceuticals, cosmetics & personal care etc.

Product Range

- ❖ Plant Size: Up to 100 m³/hr
- ❖ Resin Type: Gel Type / Macro porous Type
- ❖ Regeneration: HCl and NaOH for cation and anion unit respectively

Codes & Standards

Sphinx® DM Water Systems are compliant to the following:

- ❖ ASME Section VIII, Div.1
- ❖ ASME B31.3: Process piping
- ❖ API 610: Standard for Centrifugal Pumps
- ❖ ASME B73.2: Vertical in-line centrifugal pumps

Key Features

- ❖ Critical for High Purity Applications
- ❖ Consistency and Reliability
Modular Design
- ❖ Compliance with the stringent Quality Standards
- ❖ After-Sales Support
- ❖ Customizable Solutions





Sphinx Process Systems

Sphinx® Process Systems is a fully owned subsidiary of the Pyramid E&C group. Sphinx® offers a wide range of onshore and offshore oil and gas production equipment, utility and automation packages manufactured as per American standards. All our facilities are managed by ISO certified teams and the products are certified to ASME 'U' and UL compliance.

Oil & Gas Productions

- Separators
- Electrostatic Desalter
- Gas Sweetening Unit
- Gas Dehydration Unit
- Produced Water system
- Heater Treaters
- Joule Thompson skids

Utility Systems

- Hot oil systems
- Chiller packages
- Steam Generators
- Demineralized water system
- Air/ Nitrogen packages
- Fuel Gas Conditioning skids
- Chemical Injection systems

Automation Packages

- E-House
- Gas Fiscal Metering
- Liquids Fiscal Metering
- HIPPS
- Choke Manifold

Process Equipment

- Pressure Vessels
- Distillation Columns
- S&T Heat Exchangers
- Air Cooled HX
- Fired Heaters

Engineering & Manufacturing Locations

Mumbai, India

- Engineering
- Procurement
- Manufacturing
- FAT and Delivery
- Aftersales Support

Mundra, Gujarat

- Equipment Manufacturing
- Large skids Assembly
- Mundra all weather port access
- Loadout (1000 MT capacity)

Houston

- Process Design
- FEED Studies
- FAT and Delivery
- Aftersales Support



 +91 22 4038 1000

Sphinx Process Systems

 4th Floor, Hamilton 'A'-Wing
Hiranandani Business Park
Thane – 400 607, India
www.sphinx.pyramidenc.com



Contact Us