



CONCEPT ASIA PHARMA TEC

Concept asia Pharmatec Process Equipments

We at CONCEPT ASIA PHARMATECH are committed to result oriented output of our productions in full compliance to URS of our customers.

Backed by decades of experience and well qualified working team, we are now in to India's top listed leading engineering companies in the field of building Pharma and Biotech Automated Liquid Processing Plants.



**LIQUID PROCESSING PLANTS
FOR PHARMA AND
BIOTECH INDUSTRIES**

We design, develop, engineer, manufacture, test, supply, install and validate the complete automated Pharma & Biotech liquid processing plants on the turn key basis as per URS in strict compliance to cGMP, USFDA, ASME (BPE) & EHEDG GUIDELINES.

LIQUID ORAL PLANTS



WE CAN OFFER YOU THE COMPLETE PLANT COMPRISING:

- Design and detailed Engineering
- Equipments & Piping Layouting
- Sugar and Glucose Transfer System
- Sugar Syrup Preparation with efficient bottom entry agitation
- Clear and Suspended Liquid Manufacturing System with On-line or Built-in Homogenizer
- Efficient Filtration System for the clear / suspension syrups
- Agitated or Non-Agitated Storage Vessels
- CIP & SIP System for cleaning & sanitization of the system
- SS Operational platform with Stair & Railing
- Sterile Piping System and Automation.

LIQUID INJECTABLE PLANTS



SALIENT FEATURES:

- All contact parts SS 316L mirror polished to less than 0.5 Micron + electropolished
- Zero Dead leg design for vessel with Flush bottom diaphragm valve
- Providing validated CIP devices without any shaded area in spray system
- Food grade Gasket conforming to FDA 21 CFR Part 177.2600
- Non-Contact parts SS 304 matt finished to less than 0.8 m Micron
- Sterile sampling devices, cleanable & sterilizable
- SS Matt finished control panel
- Vessels, Valves & accessories in compliance up to Class 100 classified area GMP
- validated Magnetic Agitator with required mixing profile or top mounted compact agitator with sterile Mechanical Sealing systems
- SS Skid Mounted System.
- Skidded Systems with integrated piping, & Automation with Inbuilt CIP/SIP System.
- CE' marked equipments offered if required

SVP/LVP PARENTERALS PLANTS



SALIENT FEATURES:

- Crevices and dead leg free contact surfaces
- 100% Drainability & Zero dead leg Design
- Completely suitable for CIP & SIP
- Aseptic Sampling facility
- Flush mounted Tank Bottom Diaphragm Valves
- Sterile Micron Filtration System
- Food Grade Gasketing
- Aseptic Bottom Entry Mixing System
- Vacuum Glucose Addition System
- Automation System as per GAMP

Applications:

- Injection Solutions
- Infusion Solution
- Electrolytes

We design, develop, engineer, manufacture, test, supply, install and validate the complete automated Pharma & Biotech liquid processing plants on the turn key basis as per URS in strict compliance to cGMP, USFDA, ASME (BPE) & EHEDG GUIDELINES.

RO/WFI STORAGE AND DISTRIBUTION SYSTEMS



Salient Features:

- RO/WFI Aseptic Storage Tank with required Accessories, Instrumentation & Automation
- Complete Integrated design as per cGMP, USFDA, 3A, EHEDG & ASME(BPE)
- 100% drainability and dead leg free design
- Electropolished Mirror finish to <math><0.5\text{ Microns }R_a</math> for all internal surfaces of Vessel & Pipes
- Velocity control at required level to avoid bio-film formation
- Sanitization/Sterilization facilities with inbuilt CIP/SIP Units
- Orbital SS Pipe Welding & Boroscopy of weld joints
- As Built Piping drawing with weld map details
- DQ, FAT, IQ & OQ Documentations
- Erection, Supervision & Piping work execution at site
- Assisting site validation activities

SOFT GELATIN PLANTS



Salient Features:

- Agitator of Gelatin Cooker is a special kind of Contra-rotating type Anchor having Triangular Blades for imparting low shear mixing action to highly viscous Soft Gelatin mass for intimate mixing.
- Hydraulic Lifting System for top cover of Gelatin Cooker
- PLC Programmed (optional) for Dual speed agitation to reaction mass of Gel cooker as per the defined recipe
- Specially constructed Gelatin Feed Tank with electrical heating system
- Medicament Mixing & Homogenizing Vessel
- Multi-purpose Mixing & Deaeration Unit with SS Control Panel
- Vacuum Control System for Deaeration in Gelatin Cooker
- Strict compliance to cGMP as per the international standard norms
- SS316L contact parts mirror polished to less than 0.5 Micron R_a & SS304 Non Contact parts matt finished.
- 100% drainable, crevice and dead leg free internal surface

API PLANT EQUIPMENTS



Range of Services:

- Designing as per latest edition ASME Sec. VIII Div.1
- Preparation of detailed Fabrication Drawings and DQ
- Selection and Design of most efficient Agitation System
- Efficient Heat Transfer Device like Jacket, Limpet etc.
- Crystallizer Design as per process requirements
- All kinds of Heat Exchangers Designed as per TEMA
- Vertical & Horizontal Storage and Pressure Vessels design
- Material supply in all SS Series and Alloys as required
- Meticulous fabrication by Skilled qualified works team
- In-Process quality control as per QAP
- Testing as per FAT Protocol
- Supply and installation supervision

We design, develop, engineer, manufacture, test, supply, install and validate the complete automated Pharma & Biotech liquid processing plants on the turn key basis as per URS in strict compliance to cGMP, USFDA, ASME (BPE) & EHEDG GUIDELINES.

ASEPTIC PRESSURE & FILLING VESSELS



Range of capacity: 5 L to 250 L

Salient Features:

- Dead leg & Crevice free Mirror polished contact surface
- 100% Aseptic Design as per USFDA, ASME (BPE) Norms
- SS316L material 100% cleanable & sterilizable
- Electro polished inside surface to <0.5 R_a finish
- Comfortable handling
- Specially designed Pressure Vessel suitable for In-situ sterilization
- Complete skid with Pressure Vessel + Membrane Filter Holder + Sterile Filling Vessels can be supplied
- ASME coded with ASME(BPE) material pressure vessels available
- Heating/Cooling Jacket with Insulation with SS 304 welded cladding provided, if required
- Magnetic stirrer available if required

CIP/SIP UNITS



CIP UNITS

Salient Features:

- Sanitary Design to meet all cGMP criteria
- SS 316L, Mirror polished & EP to <0.5 Micron finish
- All Non- Contact parts : SS 304 Matt finish
- Orbital Tube welding
- Built to custom requirement
- 100% Driability
- GMP documentation like DQ, FAT, IQ, OQ & PQ Protocols
- Site Installation & Commissioning
- Documented Output of cleaning & sterilization cycles

Applications:

In-situ cleaning, sanitization and sterilization of Pharmaceutical Process Equipments & Piping.



CIP/SIP COMBINED UNITS

OINTMENT / CREAM PLANTS



Capacity: 50 to 5,000 Lit

HIGH-TECH COMPONENTS:

- Customized low shear high performance Cross Rotating Anchor Agitator with Scrapper
- In-built or external High Shear Micro Homogenizer
- Auto Lifting Top Cover
- PLC Automation System with SCADA connectivity
- Dedicated, Skidded CIP and Sanitization Unit
- Inter-connecting aseptic piping network
- SS Operating Platform
- Auto Weighing System by Load Cells
- Vacuum Transfer System
- Efficient Heating / Cooling System

Applications: ■ Lotions ■ Gels ■ Tooth Paste ■ Delicacies
 ■ Creams ■ Emulsions ■ Cosmetics ■ Dressings

We design, develop, engineer, manufacture, test, supply, install and validate the complete automated Pharma & Biotech liquied processing plants on the turn key basis as per URS in strict compliance to cGMP, USFDA, ASME (BPE) & EHEDG GUIDELINES.

FERMENTORS / BIO-REACTORS & BIO-PROCESSING EQUIPMENTS



Capacity Range: 5 L to 30,000 L

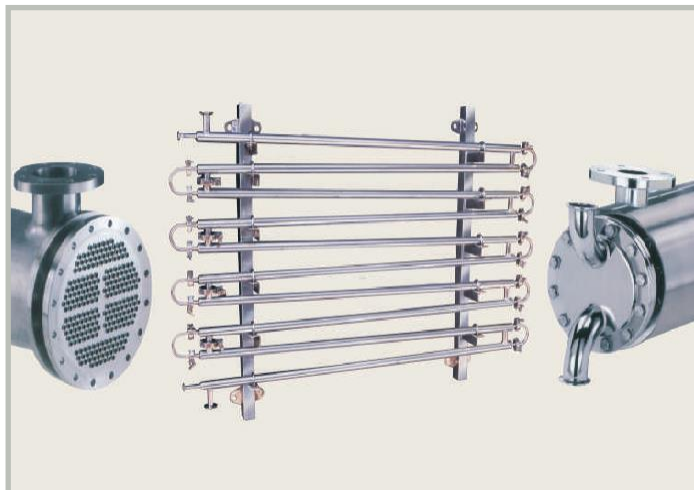
THE RANGE OF PRODUCTION:

- Fermentors
- Bio-Reactors
- Up-stream and Down-stream Bio-Process equipments
- Lab and Pilot scale Modular Fermentation equipments
- Dedicated CIP & SIP Units

PRODUCTION CAPABILITIES:

- Designing of Custom Process Systems
- GMP fabrication
- Software development and automation
- Qualification Documentations
- Factory Acceptance Test
- Site Erection & SAT
- Validation Packages
- Support Services

STERILE HEAT EXCHANGERS



Salient Features of construction:

- SS 316L contact tube, inside electropolished to less than 0.5 Micron R_a
- Orbital welded joints and Tri-clamp fittings
- 100% drainable & Zero Dead Leg design
- Auto temperature control system
- cGMP compliant design as per USFDA
- Insulation with SS welded cladding
- Groove less pass partition
- Compact unit with efficient Heat Transfer
- Most economical surface area

Type of Heat Exchangers

- Shell & Tube
- Double Pipe
- Mobile WFI/PW Heaters/Coolers

TURN KEY PROCESSING PHARMA PLANTS



THE RANGE OF OUR SERVICES:




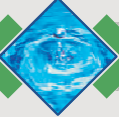





- Preparation of PFDs & P&ID, Equipment and Piping Layout
- Equipments specification Data Sheets
- Piping Isometrics & Valves detail
- Sterility & cGMP compliant Equipment Design
- CIP & SIP Loop Diagrams
- Automation & Control Architecture & System Integration
- Qualification Documentation like DQ, FRS, FAT, IQ & DQ Protocols
- PLC & HMI Programming & SCADA Provision
- Equipments Fabrication as per cGMP norms
- Execution of FATs, supply & site erection

SCOPE OF PROCESS PLANTS

- Liquid Oral Plants
- SVP & LVP Parenterals Plant
- Liquid Injectable Plants
- Ointment & Cream Plants
- Soft Gelatin Plants
- High Purity Water Storage & Distribution
- API Plants
- Biotech Plants / Fermentors

Marketing Networks:
NOW ITS PROGRESSING.....

PRODUCTION RANGE OF PROCESS PLANTS

-  LIQUID ORAL LIQUID
-  INJECTABLE
-  PARENTERALS
-  RO/WFI S & D SYSTEM
-  SOFT GELATIN
-  OINTMENT/CREAM
-  FERMENTORS / BIO-REACTORS
-  CIP/SIP
-  API PLANT EQUIPMENTS



CONCEPT ASIA PHARMA TEC

CONCEPT ASIA PHARMA TEC

Survey No. 423, D-98 MIDC SHENDRA, FIVE STAR INDUSTRIAL AREA, AURANGABAD
MAHARASHTRA (INDIA)-431007, Dist. AURANGABAD-431007. INDIA

Tel.:+91 9765687881 / 7972970129

E-mail : concept@asia.com Website : www.cocneptasiapharmatec.com

