



DHARMA ENGINEERING

AN ISO 9001 CERTIFIED COMPANY

**LIQUID ORAL MANUFACTURING PLANT &
CREAM / OINTMENT MANUFACTURING PLANT**



LIQUID ORAL MANUFACTURING PLANT

Salient Features

1. Fully automatic untouched process for liquid oral manufacturing.
2. cGMP compliance with CIP / SIP facility.
3. Capacities available from 100 ltrs. to 20000 ltrs. batch capacity
4. Fully automatic plant consisting of Sugar syrup vessel, syrup manufacturing vessel and storage vessel with interconnecting pipe lines, transfer pumps and integrated control panel.
5. Working platform for 1000 ltrs. and above capacity plants.
6. Entire plant can be operated through integrated control panel, by 01 skilled & 01 semi skilled operator.
7. Sugar charging by means of vacuum transfer or mechanical charging can be provided optionally.
8. All interconnecting pipe lines are internally electro polished and with easy openable tri-clover fittings.
9. All vessels are equipped with bottom entry agitator, which leads to less maintenance, lower energy consumption and better mixing of products.
10. Different plant layouts to suit site conditions or customers' requirement.
11. Cleaning validation by SWEB testing match international standard less than 10 PPM OR by CIP system with online conductivity.
12. Load Cell for accurate weighing of final products.



CREAM / OINTMENT MANUFACTURING PLANT

Salient Features

1. Fully automatic untouched process for Ointment / Cream / Lotion manufacturing.
2. cGMP compliance with CIP / SIP facility.
3. Capacities available from 25 kgs. to 2500 kgs. batch capacity
4. Fully automatic plant consisting of Wax Phase vessel, Water phase vessel, manufacturing vessel & storage vessel with interconnecting pipe lines, transfer pumps and integrated control panel.
5. Working platform for 200 kgs. and above capacity plants.
6. Entire plant can be operated through integrated control panel, by OI skilled & OI semi skilled operator.
7. Wax & water phase transferred by means of vacuum transfer, to main manufacturing vessel.
8. Semi contra type mixer for cream / ointment manufacturing. Contra rotary Mixer or Planetary Mixer can be provided upon demand.
9. Main mixer shall be provided with heating / cooling jacket with digital temperature controller.
10. Plants available for sterile ointments manufacturing.
11. Process piping is highly Electro polished and joints are DIN / TC standard for easy opening & re-fixing.
12. Hydraulic Power Pack with cylinder to lift complete agitator assembly with top lid for product recovery / Easy to cleaning / Change over of batch & for maintenance.
13. VFD for Anchor agitators to vary the RPM as per product / Recipe.
14. Different plant layouts to suit site conditions or customers' requirement.
15. Cleaning validation by SWEB testing match international standard less than 10 PPM OR by CIP system with online conductivity.
16. Load Cell for accurate weighing of final products.
17. Vacuum system save timing to transfer product from one vessel to another vessel and zero retention in pre phase vessel & inter connecting pipeline.





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Mfgr's : Equipments and Machines for Pharmaceuticals, Chemicals, Cosmetics and Food Industries.
SPECIALIST IN : RCVD & FBD

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