

## Multimix Sanitary Vacuum Mixer

**Multimix Sanitary Vacuum Mixer** which is widely used in the pharmaceutical industry comply to the following standard requirements:

1. Compliant to GMP requirements
2. Novartis Quality Module :
  - a. Galenical Production & Control
  - b. Facility & Equipment Qualification & Maintenance
  - c. Cleanless Zoning Policy for the Manufacture of Drug Products

### Documentations:

1. Equipment Data Sheet
2. Installation Instructions
3. Operational Instructions
4. Maintenance Instructions
5. Cleaning Instructions
6. Equipment Drawings
7. Material Certificates
8. Installation Qualification Test Document (IQ)
9. Operational Qualification Test Document (OQ)

### Instrument Accessories :

1. Triclamp DN100 sight glass on hand hole DN150
2. Triclamp DN100 for light glass
3. Triclamp DN350 for manhole
4. Triclamp DN25 for pressure gauge
5. Triclamp DN25 for air compressor ball valve
6. Triclamp DN25 for ventilation ball valve
7. Triclamp DN25 for spraying head 360 degree
8. Triclamp DN40 for bursting disc
9. Triclamp DN40 for vacuum ball valve
10. Triclamp DN25 for vacuum gauge
11. Triclamp DN25 for sampling ball valve
12. Triclamp DN25 for steam/chilled water inlet/outlet
13. Triclamp DN25 for steam/chilled water outlet/inlet
14. Triclamp DN25 for PT100 temperature sensor for product
15. Triclamp DN65 for level sensor
16. Triclamp DN20 for level switch

### Equipment Standards:

1. Material of vessel SS 316L/1.4404 in contact with product
2. Material of SS304/1.4301 non contact with product
3. Surface finishing internal Ra<0.4 & Ra<0.8 um external
4. Pressure in vessel -1 to 3 mbar
5. Pressure in jacket 2.5 mbar
6. Vacuum up to -0.8 mbar
7. Insulation with mineral wool 25 to 50mm

### Mixers Options:

1. Top Entry Mixer
2. Anchor Paddle Mixer
3. High Shear Mixer
4. Inline High Shear Mixer

### Equipments Options :

1. Transfer Pumps
2. Piping, Valves & Fittings
3. Filtering
4. Cleaning in Place Station (CIP)
5. Pneumatic & PLC Control System



Vacuum Vessel



Top View



Vacuum Cover

