

Industrial Computer System
Human Engineering Related
Friendly Human-Machine
Interface
Auto-Sterilization in Place
Direct Servo-Transmission
Open Frame
Flexible Software Control System
Fully Built With Pneumatic
Diaphragm Valves

Features

PID Control Mode
Advanced Multi-Functional DO Control
One Stainless Vessel and Movable Frame
One Highly Efficient Exhaust Air
Condensor and Windowed Vessel
Freely Defined Parameters on
Sterilization
User-defined Applications for Peristalsis
Pumps
Easy Adjustment by Software
Computer Recordable or Remotable
Output Signals

Headplate / Vessel

Ring-type Blowing Pipes
Five 19mm Inlet Port for Material
Two Ports for Foam Probes(Foam/Hi-Foam)
A Side Port for pH/DO/Temperature
One Sterilizing Basal Valve for Sampling
or Harvest
One Port for Internal Illumination
One 40mm Port for Inoculation
One Exhaust Air Condensor

BTF-B Sterilizabile-In-Place Fermentor



Specifications

Vessel Volume: 30/50/75 Liter (With Internal Vessel SS316L Inclusive of Warming Layers)
Temperature-Control Range: Cooling Water 5 ~60 (+/-0.1)
Stirring Speed: 0-1000(30L) /0-800(50L) /0-500(75L)rpm
Air Sparger: 1-50 slpm(30-50L)/1-100slpm(75L)
pH Range: 2-12.00 pH
DO Range: 0 -100%(Related to some Control like Stirring, Air Sparge, or Pressure in Vessel)
Air Filter: 0.01 μ m Inlet and Exhaust(Sterilization - repeatable)
Foam Sensor: Conductivity Type (Foam/Hi-Foam)
Vessel Pressure: 0-3.5kg/cm² (Within SS316L Where Diaphragm Dominates)
Valves: Sanitary-Industrial Pneumatic Diaphragm Valves
Signal Outputs: 4-20mA or RS232 Compatible
Sterilization Pumps: 4 Freely set Functions for Pumping Acid, Pumping Alkaline, Foaming, or Feeding Material
Dimension: 120Wx100Lx170H cm³
Weight: 200 KG(Approx.)
Power: 220Vac/50-60Hz. 15Amp
Air Source: 2~3Kg/cm² (for the Fermentor) 5~6Kg/cm² (For Pneumatic Valves)
Water Source: 1~2Kg/cm²
Steam Source: 2~3Kg/cm²
Auto-Lifting Headplate: Mechanical Transmission by the Motor