

# Homogenisers

## HOMO- 3020



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Specifications

- The vessel can take water for injection (WFI) of 85°C.
- Parts including vessel, inlet and outlet nozzles, valves, piping interconnection, Shell, Top closure, Bottom closure, Planetary Agitator made of SS316L & Cladding to cover the jacket made of SS304.
- Height/Diameter ratio : 2:1
- Geometric volume : 80L
- Maximum working volume : 60L
- Surface finish : Internally Electro polished up to  $\leq 0.6$  microns (mirror finish)  
 Internal finish of the interconnecting piping  $R_a < 0.6 \mu m$   
 Externally mechanically polished up to  $R_a \leq 1.2$  microns (matt finish)
- Vessel with Gel Addition, Spray ball, Inlet/Exhaust line.
  1. A single sterile inlet and exhaust filter (0.2/0.22 micron) with SS housing.
  2. Compressed air inlet for vent filter
  3. Air PRV (with filter)
  4. Pressure: pressure of the vessel during process shall be monitored by Diaphragm pressure gauge for vessel.

### Agitator is planetary/Ribbon type/ Rushton turbine

Properties Of Fluid	
Operating temperature	Ambient
Operating pressure	Atmospheric pressure
Viscosity (cPs)	PIIC to provide
Density	PIIC to provide
Particle load(if any in gm / Litre)	PIIC to provide
Maximum tip speed (in meter / second)	Flush bottom valve: it is also zero dead leg type valve directly welded to vessel bottom, centrally, having a PTFE diaphragm.
Mobile CIP system with SS 316L spray ball for the cleaning of the interior of the vessel and all the nozzles on the top dish and nozzles, ports on the vessel.	
Controller	Semiautomatic PLC based controller

## ▶▶ Nozzle with

### 1. Top dish:

- Light/sight glass : 1 No.
- Hand hole : 1 No.
- Spray ball : 2 No.s
- Pressure gauge : 1 No.
- Addition port
- TC Spare part : 1 No.
- Inlet/Exhaust port with sterile filter( 1 R “ 0.2 $\mu$  PTFE)) : 1 No.
- Port for agitator : 1 No.
- Port for level measurement : 1 no.

### 2. Bottom dish:

- Flush bottom valve provision for separate steam sterilization : 1 No.

### 3. Non Sterile sampling valve assembly.

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

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