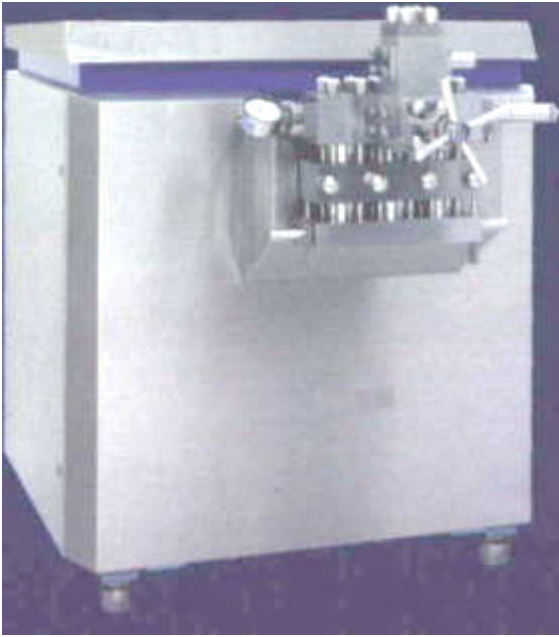


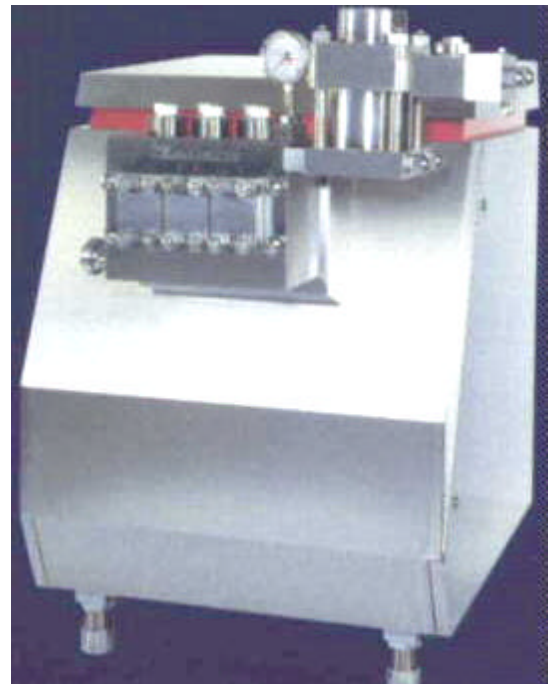
# HOMOGENISER



Capacity:	200 to 10,000 LPH
Stages:	Single or Double Stage.
Operating Pressure:	250 Bar Max.
Design:	Hygienic Dairy standard
Matura:	All wetted parts in SS-304 / 316.
Wearing Parts:	Hastalloy Lined.
Homogenisation:	< / = 2 microns

## Technical Features

- Crank Case – High Quality Cast iron
- Fluid End Homogenisation Chamber-SS-316
- All wetted parts SS-316
- Homogenising Valves Stellitted facing
- Imported SS Diaphragm type Pressure Gauge.
- Splash lubrication for effective cooling
- Pr. Adjustment manual / hydraulic options.
- Body enclosure SS-304
- Suitable for CIP cleaning



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# APPLICATIONS FOR HOMOGENISATION



## Dairy & Ice Cream

+ Milk. Deserts. Cream. Cream Cheese. Condensed Milk. Yoghurt. Processed Cheese. Sour Cream

## Food & Beverage

+ Fat Substitutes. Flavours & Fragrances. Baby Food. Fruit & vegetable Juices Or Concentrates. Sauces. Beverage Emulsions

## Biotechnology

+ Cell Disruption Yeast. E. Coli. Other Bacteria & Algae.

## Cosmetic

+ Hair Products. Skin Creams. Lotions. Lipstick. Nail Polish

## Pharmaceutical

+ Antibiotics. Antacids. Creams. Intravenous Emulsions. Ointments

## Chemical

+ Disinfectants. Emulsifiers. Insecticides. Paints Oil Emulsions. Silicone Emulsions. Resins.

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# TECHNICAL DETAILS

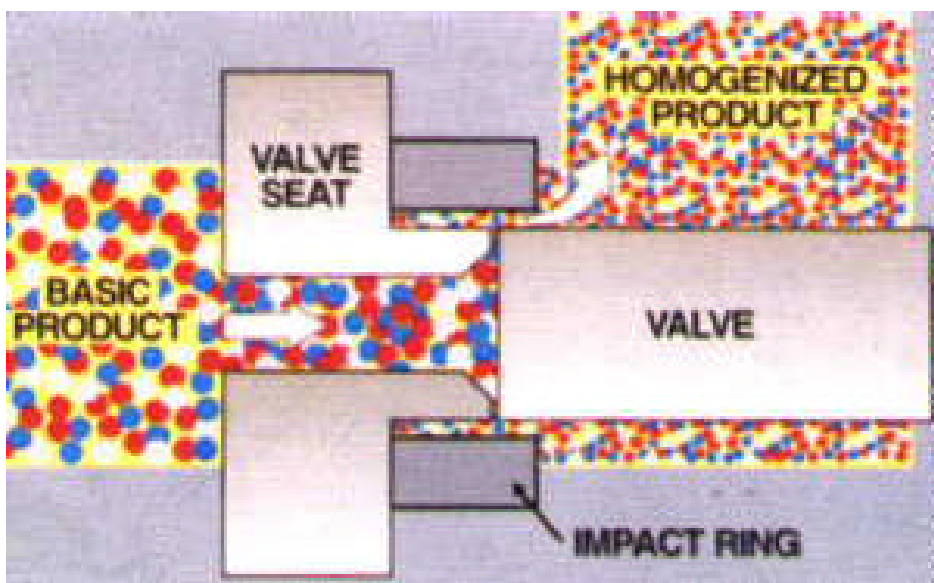
## Homogenization the Process :

It is the basic process to reduce the fat particle size below 2-micron resulting in better consistency of the product by means of dispersion. This relatively increases the viscosity and texture of the product giving it a rich taste. The product is displaced under the generation of high pressure and is forced through homogenizing valve gap. The cavitation turbulence & sheer force break the product into particles of size less than 2 microns.

Major advantages of using a homogeniser being its ability to improve stability & absorbent quality and reduction in reaction time.

## Technical Aspects :

- High Pressure Triplex or Quin Tplex Pump.
- Splash lubrication to provide effective cooling.
- Two Stage Homogenizing Head.
- All contact parts of Acid Proof / Corrosion Resistance Stainless Steel.
- Valve Assembly is stellited for better homogenizing effect
- Flat Diaphragm Type glycerin filled Pressure Gauge.
- Sanitary Design for CIP Cleaning.



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