



*Saffron*

MACHINERY



## WEIGH BOWL AND DUMP TANKS

### Weigh Bowl

We are engaged in developing supreme quality Weigh Bowls that are used for measuring the accurate weight of milk and other dairy items. We construct these bowls using finest quality stainless steel that is corrosion free. Our product comprises of the bowl with an outlet and closing valve. The unit has slope towards the outlet for the easy drain of the milk. Further, this valve possesses rubber o-ring for leakproof closing. We also offer these bowls as per the specifications of our clients.



### Dump Tank

The dump tank fabricated from SS 304 (2 thk.) will be located under the milk reception weigh bowl to collect the milk as it is released from the weigh bowl.



## PLATE TYPE CHILLER

With precious understanding of this relevant industry, we are counted as top most firm of premium quality PHE System. Our plate heat exchangers are widely used for heating, cooling, pasteurizing and heat recovery in hygienic including food and beverage industries, chemical, petrochemical, oil & gas, power, energy, other industrial sectors, and marine applications. These PHE systems are developed utilizing the best quality material and advance technology in accordance with set guidelines.



### FEATURES

- Compact design
- Dimensional accuracy
- Smooth finish

### MATERIALS

**Plates** : AISI 316, AISI 304, Titanium and most alloys

**Gaskets** : NBR per, EPDM, FKM and others

**Frames** : Stainless steel or painted Carbon steel

Extensive range of plate options





## BULK COOLER OF VARIOUS CAPACITIES

### Open Type Round Shaped Cooling Tanks :

Open type round shaped direct expansion cooling tank. It has large opening lids for easy access and rounded internal corners to facilitate through deaning . Tank insulation is provide by factory infected polyurethane foam of 50mm. The integral condensing unit is Hermetic type with R22 refrigerant. The condensing beneath the tank to occupy minimum space.

**CAPACITY :** 250 & 500 Liters



### Open Type Semi Cylindrical Rectungal Shape Cooling Tanks :



Open type semi cylindrical rectangular shaped direct expansion cooling tank. It has opening lids for easy access and rounded internal corners to facilitate through cleaning. Tank insulation is provided by factory injected pollyurethane foam of 50mm. The integral condensing unit is Hermetic type with R22 refrigerant. The condensing unit is beneath the tank of occupy minimum space.

**CAPACITY :** 500 - 1000 - 2000 Liters

### Close Type Cylindrical Shape Cooling Tanks :

Bulk milk cooler open horizontal that can be used for the storage and cooling of milk. Owing to features like durability and easy usage, its capacity 5000 Liters.

### FEATURES

- Low running cost
- High standard of milk hygiene
- Reduced electricity consumption
- Agitator on/off switch
- Cooling on/off switch
- Digital temperature display
- 35°C to 4° C within 3 hours for 1st milking & 10° c to 4° c within 1.5 hrs for 2nd milking
- Condensing unit hermetic, 220 V single phase, 50 Hz supply
- Two milking tank design
- All SS 304



**CAPACITY :** 5000 Liters



## PASURIZER SYSTEM

Pasteurization is the process of heating milk and then quickly cooling it down to eliminate certain bacteria. The purpose is to make the product safe for consumption and to lengthen product shelf life. We supply the best quality product by using effective manufacturing technology by following good standards. These are available at good market prices.



### FEATURES

- Excellent Finish
- Highly Durable
- Affordable Price
- Reliable & Optimal
- Good Quality Raw Material
- MOC  
AISI (304, 304L, 316, 316L)



## MILK STORAGE TANK

### Product Description:

We are offering Milk Storage Tanks that are used for storing and transporting milk from one point to another. Our milk tank is constructed using impeccable quality stainless steel, which adds to the robustness of the tank and also makes it corrosion free and weather proof in nature. The milk remain fresh and rich in its nutrient value during storage under the maintained temperature of the tanks. We customize these in various capacities as per the specifications of the clients.



### VMST

### FEATURES

- Low maintenance
- Easy installation
- Longer service life



### HMST



## BUTTER CHURN

We are engaged in manufacturing Industrial Butter Churns with various specifications, unique characteristics and functional requirements. Made of premium quality stainless steel, mild steel and other metal alloys these churns are used to prepare table butter. With perfect moisture control mechanism, these churns are very effective in large production of butter.



## PANEER PLANT



## PANEER MAKING MACHINERY



## PANEER PRESS



## CHEESE AND PANEER VAT





## GHEE BOILER

We are engaged in supplying an extensive range of high-quality Ghee Boiler to our valuable customers. These Ghee Boilers are used for boiling ghee. These Ghee Boilers are widely used in various industries for food processing applications. High-quality raw materials are obtained at the time of manufacturing these items at our infrastructural unit. We believe in employing advanced machinery to ensure quality and reliability. Our team strives hard to complete all order on time.



### FEATURES

- Flawless finish • Ensures optimal performance
- Extensive price range • High-grade raw material
- Quality oriented • Reasonably priced

## MILK SILO

We take immense pride to introduce ourselves as one of the trustworthy manufacturers, suppliers and exporters of Milk Silo Tank. The offered tank is manufactured using top grade stainless steel and is widely used in various dairies industry for storing milk.

### FEATURES

- Stores milk in 4 degree of temperature for up to 24 hours
- Precise dimensions
- Sturdy construction
- Corrosion resistance
- High tensile strength





## BATCH PASTEURIZER

Batch Pasteurizer is aim to make destroy bacteria from milk, Ghee, Water & Creams. The bacteria destroyed the by making product at certain temperature for certain time, Higher the temperature lower the time. It is the ideal machine for mixing sugar, milk powder, cream, stabilizer for milk for ice cream making. The machine is used in food industry, chemical & pharmaceutical industry.

### FEATURES

- Super Design • Easy to operate & handle
- Inner jacket S.S. 304 3mm, Jacket M.S. 3.2mm, Outer Jacket 1.2mm
- Standard motor and gear box, outlet valve S.S. 304 with TC clamp
- High speed stirrer for mixing • LPG gas burner or electric heater
- Tank insulated glass wood • Temperature gauge for showing temperature

MODEL	SMP-200	SMP-300	SMP-500
Capacity In ltr.	200	300	500
Gear Motor	0.35kw.	0.75kw.	0.75kw.
Heater (3Nos.)	2kw	3kw	4kw
Water Jacket	100 ltr.	150 ltr.	200 ltr.
Shape	Round	Round	Round



## CONTINUES ICE-CREAM FREEZER

Continuous freezer is the ideal machine to make ice cream mix in to ice cream at standard condition of mix temperature of (+) 4° C and ice cream outlet temperature (-) 5° C with minimum fat content of 11 %

### FEATURES

- S.S. 304 frame and covering panels
- Hard chrome plated cylinder
- Solid dasher or open dasher with eccentric shaft
- Digital Ice-cream hardness controller
- Anti-freeze protection device
- Speed variable device with indicator
- Suction & discharge pressure gauges for refrigerant circuit
- Hot gas supply to freezing cylinder
- Interlock and safety controls for single phase, over load, low & high refrigerant pressures
- Easy to operate, handle & clean

MODEL	SMCF-100	SMCF-200	SMCF-300
Model	CF-100	CF-200	CF-400
Capacity, l/hr.	100	200	400
Dasher motor, kW	0.75	1.5	3.75
Mix pump, kW	0.18	0.75	1.1
Compressor, kW	1.5	2.6	2 x 2.6
Compressor type	Hermetic	Hermetic	Hermetic
Refrigerant	R-404a	R404a	R-404a
Water flow rate at 30oC l/hr	1200	2000	4500
Length, mm	775	1030	1350
Width, mm	665	665	900
Height, mm	1000	1250	1350





## HOMOGENIZER

Homogenizer machine is used to reduce the particle size of the milk for making Ice cream. If we make raw milk left to stand the fat will increase and make a cream layer on milk. The Homogenizer passes the milk with high pressure through particle surface area. There are two stages to minimize or reduce the milk particle through piston pump. The pump is operated by electric motor.

### FEATURES

- S.S. 304 forging valve block
- Two stage homogenization
- Homogenization pressure gauge
- Two piston unit, S.S. 304 forging valve block
- Two piston unit, three piston unit using for variable capacity
- Suction and discharge valve stay light
- Water inlet out let connection
- All contact parts in S.S. 304
- Easy to operate and handle



## AGEING TANK

Ageing Vat is the ideal Machine for Mixing & Storage of Ice Cream Mix at certain temperature level at +4 C approx. A stirrer is given for proper mixing.

### FEATURES

- Compact mechanical design • Round & square design available
- Inner S.S. 2mm, Jacket S.S. 304 1.5mm, Outer S.S. 304 1.2mm
- All product parts made from S.S. 304 & castors for easy movement
- Less power consumption due to efficient refrigeration system and PUF insulation
- Top drive stirrer with easily removable to complete cleaning
- Refrigerant R-22 air cool
- Standar motor & gear box
- Easy to operate & handle



MODEL	SMA-200	SMA-300	SMA-500
Capacity In ltr.	200	300	500
Gear Motor	0.35kw.	0.75kw.	0.75kw.
Water Jacket	100 ltr.	150 ltr.	200 ltr.
Shape	Round	Round	Round
Refrigeration	R-22	R-22	R-22
Compressor	1.5 ton	2.0 ton	2.5 ton





## FRUIT FEEDER

Fruit Feeder is Ideal Machine To Mix The Ingredients with Ice Cream like cashew, pistachio, almonds, Dry Grapes, Butter Scotch, Dry Jelly, Coco chips. Dry Chocolates or Their Chips.

It is Manually Load (Feeding) in To the Hopper and then Adjust with Screw (Auger) System with DC Variable Drive to Adjust The Speed of Auger (Screw) with Ice Cream Mixing with Vertical Mixer.

### FEATURES

- Frame and cover made from S.S. quality
- All contact parts of S.S. 304 and food graded plastic
- Individual AC drive for rotor and augur
- Three blades made from special nickel alloy
- S.S. hopper with mixer for storage of ingredients

MODEL	SMFF-200	SMFF-400	SMFF-600
Hopper Capacity, ltr.	10.0	20.0	25.0
Rotor Motor, K.w.	0.75	1.5	1.5
Auger Motor, K.w.	0.37	0.75	0.75
Ice cream flow rate	200 Ltr./Hr.	400 ltr./Hr.	600 ltr./Hr.



## RIPPALE MACHINE

### FEATURES

- Frame and covering panel made in S.S. 304 quality
- Double acting pump
- Suitable for Viscous syrup
- Complete with internal piping and bypass arrangement and drain plug
- Adjustable variable speed
- Complete with pneumatic cylinder and accessories
- All contact parts of S.S. 304

MODEL	SMRM-40	SMRM-80	SMRM-120
Pump Capacity Ltr./hr.	10-40	10-40	10-40
Hopper Capacity Ltr.	10	10	10
No. of Pumps	1	2	3
Compressed air at	35	70	105
6kgs./cm <sup>2</sup> l/m			





## ICE CREAM CUP AND CON FEEDER

- Version : Single Lane
- Capacity (Machien Outpur) : 40-45 Cups/min.
- Products : Ice cream
- Range : 50 & 100 ml.
- Container type : Easy stackable and de-stackable cups
- Air consumption : Approx. 25-30 liters/min. 6 bar, clean and dry air. Receiver Tank 200 ltrs.
- Electricity Size : 3x400V + 0 + E, 50 Hz, approx. 4.0 kw : 1.2 mtr. x 1.2 mtr.



## CANDY PLANT

Customers can avail from us a wide and remarkable range of Candy Plant Machine. The offered freezers are ideal equipment for large-scale soft candy production. These machines have independent refrigeration system. Our candy plant are designed with latest features to offer ease of installation, use and maintenance at users end. Moreover, we offer these candy plant to the clients at reasonable prices.

### FEATURES

- Low maintenance cost
- Easy installation
- Compact design





MIXING BLENDERS | BIN BLENDERS | RIBBON BLENDER



RAPID MIXER GRANULATOR

FEATURES

- Material of construction : S. S. 316
- The basic equipment consist of machine base covered all around by SS flush type panels
- The frame is provided with a SS staircase & railings
- Over the frame there is RMG Bowl with pneumatically open able lid It has two mixing blades
- Material to be mixed is whirled and tumbled, close to the bottom of RMG bowl with the help of chopper blades
- Chopper tool located at the side prevent slump formation
- RMG produces a highly efficient, fast & homogenous mixing





## TM MULTI MILL

Adhering to the industry standards and norms for qualitative production, we have successfully attained the name of reliable manufacturer of an optimum quality Multi Mill Machine.

### FEATURES

- Excellent performance
- Low maintenance
- Hassel free operation



## FULID BAD DRYER

our company is engaged in offering a wide assortment of Dryers that are manufactured using premium quality raw material. Our range include Bed Dryers, Tray Dryers, Drum Dryers and Rotary Vaccum Dryers. We ensure that the products supplied by us meet the varied demands of clients. We offer our quality products in different shapes, designs and sizes as per the specific demands of clients.



We offer Fluid Bed Dryers that contains no moving part inside the drying chamber where the different operations take place for the drying of the material. These machines incorporate phenomenon of fluidisation, for production of full agitation of solid particles by hot and uniform air. The salt is fluidized, each particle meets the hot air, discharges moisture and dries at the same time traveling forward without any mechanical push.

### SPECIFICATIONS

- **Material** : Stainless steel S.S. 304 / S.S. 316
- **Blower Motor** : As per model
- **Drying Temp.** : 35-80 Celsius
- **Voltage** : 415 V, 3 phase AC

### FEATURES

- Modular Design
- Uniform drying with less time



## MIXING AND STORAGE TANK AND JACKETED TANK



## LIMPED JACKETED TANK





## LIQUID MANUFACTURING PLANT



Oral liquid manufacturing plant comprises of sugar syrup vessel, online sugar syrup pre-filter, manufacturing vessel storage vessel, vacuum system for transfer of sugar and sugar syrup, product piping, control panels and transfer pumps. The construction of the complete system is done in a way that allows for plant to be easily handled by single operator, thus saving on man- power costs. Further, the system also comes with limpet coils for desired heating and cooling

### Unique features of oral liquid manufacturing plant are :

- The oral liquid manufacturing plant is designed to be operated by one operator and one helper, saving on precious man- power cost.
- Sugar syrup and manufacturing vessels are provided with limpet coils for heating and cooling, designed for internal vacuum to facilitate transfer of sugar directly from stores to sugar syrup vessel.
- Sugar syrup is transferred to manufacturing vessel through online sugar syrup prefilter by vacuum.
- Entry of all propeller agitations are from bottom through a specially designed mechanical seal face.
- The advantage of the bottom propeller agitator over the convectional agitators there are no vibrations of shaft, no coupling in the drive assembly, leading to lower maintenance cost.

### FEATURES

- Sugar syrup vessel offering no vibrations of shaft
- Online sugar syrup prefilter
- There is no coupling in drive assembly that provides for lower maintenance cost, manufacturing vessel, storage vessel
- Stainless steel 316 construction based pipes, pipe fittings
- Pipes and fittings coming in seamless, internally electro polished finish as per DIN standard silicon gaskets and unions
- Can be made available in capacities from 500 ltrs. to 1500 ltrs.

### APPLICATIONS

- Chemical Industry
- Pharmaceutical Industry
- Food Industry



## CIP SYSTEM

We design and supply Mobile and Fixed CIP & SIP Units for sanitization and sterilization.

The units are custom made, modular, skid either automatic or semi-automatic models as per the requirement for cleaning and sterilization.



### CIP UNIT

- CIP Tank/Tanks, Jacketed/Non-Jacketed
- Supply Pump/Return Pump
- Heater as required

## WATER HEATING AND COOLING SYSTEM PHE TYPE





**Saffron**  
MACHINERY

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