

1 CONTINUOUS ICE CREAM FREEZER



- Capacity available: 100 lph to 1000 lph
- *At standard conditions of mix inlet temperature of (+) 4 deg. C and Ice Cream outlet temperature of (-) 5 deg. C with Ice Cream Over Run 110% Mix fat content 11 % and Total Solids 35% to 40%

Technical Specification

Model	CF-100	CF-200	CF-400	CF-500
Capacity, l/hr.*	100	200	400	500
Dasher motor, kW	0.75	1.5	3.75	3.75
Mix pump, kW	0.37	0.75	1.1	1.5
Compressor, kW	1.8	2.6	5.8	7.5
Compressor type	Hermetic	Hermetic	Hermetic	Semi-Hermetic
Refrigerant	R-404a	R404a	R-404a	R-404a
Water flow rate at 30°C l/hr	1500	2000	4000	5000
Length, mm	1040	1165	1530	1530
Width, mm	620	680	900	900
Height, mm	1100	1260	1308	1308

Salient Features

- Frame and covering panel made from S. S. 304 quality
- High conductivity metal hard chrome plated cylinder
- Hollow two piece construction dasher
- Hour meter
- Anti freeze protection device
- Speed variable AC frequency drive for mix pump with indicator
- S. S. diaphragm sanitary design pressure gauge
- Suction and discharge pressure gauges for refrigerant circuit
- Hot gas supply to freezing cylinder for viscosity control
- Interlock and safety controls for single phase, over load, low and high refrigerant pressures

2 Af freeze CONTINUOUS ICE CREAM FREEZER



▪ Capacity available: 75 lph

▪ *At standard conditions of mix inlet temperature of (+) 4 deg. C and Ice Cream outlet temperature of (-) 5 deg. C with Ice Cream Over Run 110% Mix fat content 11 % and Total Solids 35% to 40%

Technical Specification

Model	AF - 75
Capacity, l/hr.*	75*
Dasher motor, kW	0.37
Mix pump, kW	0.18
Condenser Fan, kW	0.18
Compressor, kW	1.25
Compressor type	Hermetic
Refrigerant	R-404a
Length, mm	1080
Width, mm	700
Height, mm	1050

Salient Features

- Frame and covering panel made from S. S. 304 quality
- High conductivity hard chrome plated metal cylinder
- Hollow two piece construction dasher
- Anti freeze protection device
- Air cooled condenser with copper coil and aluminium fins
- S. S. diaphragm sanitary design pressure gauge
- Suction and discharge pressure gauges for refrigerant circuit
- Manual Hot gas supply to freezing cylinder
- Interlock and safety controls for high refrigerant pressures
- Balance Tank 20 l

Uffreeze CONTINUOUS ICE CREAM FREEZER



▪ *At standard conditions of mix inlet temperature of (+) 4 deg. C and Ice Cream outlet temperature of (-) 5 deg. C with Ice Cream Over Run 110% Mix fat content 11 % and Total Solids 35% to 40%

Technical Specification

Model	UF - 300
Capacity, l/hr.*	300*
Dasher motor, kW	2.20
Mix pump, kW	1.10
Compressor, kW	5.59
Compressor type	Scroll
Refrigerant	R-404a
Water flow rate at 30 deg. C, l/hr.	3000
Length, mm	1250
Width, mm	750
Height, mm	1250

Salient Features

- New generation user friendly freezer
- High conductivity metal, hard chrome plated cylinder
- Hollow two piece construction dasher
- Hardness controller
- Hour meter
- Anti freeze protection device
- Frequency speed variable device for mix pump with indicator
- S. S. diaphragm sanitary design pressure gauge
- Suction and discharge pressure gauge for refrigerant circuit
- Hot gas supply to freezing cylinder
- Interlock and safety controls for single phase, overload, low and high refrigerant pressures
- Electronic expansion valve for better efficiency
- Discharge refrigerant temperature controller
- Fully openable hinge mounted cover including top cover
- Refrigerant flow indication visible in front gauge

4 **Auteefreeze** CONTINUOUS ICE CREAM FREEZER



▪ *At standard conditions of mix inlet temperature of (+) 4 deg. C and Ice Cream outlet temperature of (-) 5 deg. C with Ice Cream Over Run 110% Mix fat content 11% and Total Solids 35% to 40%

Technical Specification

Model	Auteefreeze 0.2	Auteefreeze 0.3	Auteefreeze 0.5	Auteefreeze 0.6	Auteefreeze 1.0
Capacity, l/hr.*	200	300	500	600	1000
Refrigerant	R - 404A	R - 404A	R - 404A	R - 404A	R - 404A
Compressor, kW	3	4	5.5	8.1	15
Dasher, kW	1.5	2.2	3.75	5.5	9.3
Mix Pump, kW	0.75	0.75	1.1	1.1	1.5
I/C Pump, kW	0.75	0.75	0.75	1.1	1.5
Water flow rate at 30 °C, l/hr.	2000	3000	5000	6000	10000
Length, mm	1450	1575	1700	1675	2100
Width, mm	700	700	835	835	910
Height, mm	1295	1295	1320	1455	1530

Salient Features

- a) Hollow two piece construction of dasher with two/three row blades arrangement
- b) Air Mass Flow Controller & Mix Mag. Flow Sensor
- c) Auto control of over run, viscosity, capacity and ice cream temperature
- d) High efficiency internal gear type rotary mix metering pump with CIP type Design
- e) High efficiency internal gear type pump at ice cream outlet with CIP type Design
- f) Electronic expansion valve for better efficiency
- g) High efficiency filtered Air metering system
- h) Digital pressure indicator for Refrigeration System & Freezing Cylinder Pressure
- i) Semi hermetic refrigerant compressor with water cooled condenser suitable for R - 404A
- j) New generation touch screen type operator interface to monitor and/ or control
 - Hourly ice cream production
 - Mix temperature
 - Ice cream temperature
 - Overrun
 - Freezing Cylinder Pressure
 - Suction Pressure
 - Discharge Pressure