



PAL Engineers

Mfg. of :
Ice Cream Process Machineries

We believe in Quality & Service



Pasteuriser

- Elegant look, Robust & Sturdy design.
- Extra rich hygienic construction & easy to clean.
- All product contact parts made from S.S. 304.
- Water Jacket construction for even heating.
- Less fuel / power consumption due to proper insulation for external tank.
- Available in Gas(L.P.G.) and Electrical Options.

| MODEL | CAPACITY Ltr. / Btch. | DIMENSION | | | POWER V/Ph / Hz | Inst. Power Gas Operated (Watt) | Inst. Power Ele. Operated (Watt) |
|-----------|--------------------------|-----------|------|------|--------------------|---------------------------------------|--|
| | | W | D | H | | | |
| PPG / 50 | 50 | 530 | 755 | 1220 | 415/3/50 | 380 | 380+6000 |
| PPG / 100 | 100 | 625 | 800 | 1370 | 415/3/50 | 380 | 380+6000 |
| PPG / 150 | 150 | 705 | 880 | 1370 | 415/3/50 | 380 | 380+6000 |
| PPG / 200 | 200 | 775 | 950 | 1370 | 415/3/50 | 750 | 750+9000 |
| PPG / 250 | 250 | 825 | 1030 | 1370 | 415/3/50 | 750 | 750+9000 |
| PPG / 300 | 300 | 895 | 1070 | 1370 | 415/3/50 | 750 | 750+9000x2 |
| PPG / 400 | 400 | 945 | 1130 | 1470 | 415/3/50 | 750 | 750+9000x2 |
| PPG / 500 | 500 | 1045 | 1250 | 1470 | 415/3/50 | 750 | 750+9000x2 |
| PPG / 600 | 600 | 1085 | 1320 | 1470 | 415/3/50 | 750 | 750+9000x2 |



Homogenizer

- Extremely compact Mechanical Design with superior finish.
- To maintain a perfect hygienic condition, all parts direct contact with ice cream mix made either stainless steel or food grade material.
- Specially designed pressure valve which gives high performance even at working time.
- Diaphragm type pressure gauge to maintain perfect hygienic condition.
- Quick & easy to dismantle for perfect cleaning.

| MODEL | CAPACITY Ltr. / Hr. | DIMENSION | | | POWER V/Ph / Hz | Inst. Power (Watt) |
|-----------|------------------------|-----------|-----|------|--------------------|-----------------------|
| | | W | D | H | | |
| PPH / 100 | 100 | 500 | 560 | 850 | 415/3/50 | 1500 |
| PPH / 200 | 200 | 520 | 650 | 950 | 415/3/50 | 2250 |
| PPH / 300 | 300 | 570 | 750 | 1000 | 415/3/50 | 3000 |
| PPH / 500 | 500 | 690 | 930 | 1140 | 415/3/50 | 5625 |



Ageing Vat

- Extremely compact Mechanical design.
- Rectangular Mix tank for proper mixing of ice cream mix.
- All product contact part made from S.S. 304.
- Glycol jacketed construction & effective stirrer gives cooling also maintains temperature on power failure. (Selected Mode)
- Less power consumption due to efficient refrigeration system and PUF insulation.
- Bottom drive stirrer with easily removable to complete cleaning.

| MODEL | CAPACITY Ltr. / Btch. | DIMENSION | | | POWER V/Ph / Hz | Inst. Power (Watt) |
|-----------|--------------------------|-----------|------|------|--------------------|-----------------------|
| | | W | D | H | | |
| PAV / 50 | 50 | 520 | 1000 | 1045 | 415/3/50 | 1260 |
| PAV / 100 | 100 | 625 | 1090 | 1195 | 415/3/50 | 2230 |
| PAV / 150 | 150 | 745 | 1190 | 1195 | 415/3/50 | 2650 |
| PAV / 200 | 200 | 815 | 1260 | 1195 | 415/3/50 | 3120 |
| PAV / 250 | 250 | 865 | 1340 | 1195 | 415/3/50 | 3120 |
| PAV / 300 | 300 | 935 | 1460 | 1195 | 415/3/50 | 3800 |
| PAV / 400 | 400 | 985 | 1480 | 1320 | 415/3/50 | 3800 |
| PAV / 500 | 500 | 1085 | 1570 | 1320 | 415/3/50 | 3800 |
| PAV / 600 | 600 | 1125 | 1700 | 1320 | 415/3/50 | 3800 |
| PAV / 700 | 700 | 1165 | 1750 | 1320 | 415/3/50 | 3800 |



Batch Freezer

- Robust & Elegant aesthetically design.
- All product contact part made from S.S. or food grade material.
- Specially designed beater & efficient refrigeration system resulting in high product output with low power consumption.
- Extremely compact mechanical design.
- To maintain a perfect hygienic condition oil less air compressor is used to insert air in ice-cream.

| MODEL | CAPACITY Ltr. / Btch. | DIMENSION | | | POWER V / Ph / Hz | Inst. Power (Watt) |
|----------|--------------------------|-----------|------|------|----------------------|-----------------------|
| | | W | D | H | | |
| PBF / 10 | 10 | 610 | 1060 | 1320 | 415/3/50 | 4200 |
| PBF / 20 | 20 | 610 | 1060 | 1320 | 415/3/50 | 4200 |
| PBF / 40 | 40 | 660 | 1160 | 1350 | 415/3/50 | 4800 |



Continuous Ice Cream Freezer

- Robust Sturdy design for continuous production.
- All product contact parts are made from S.S. 304.
- Completely automatic hands free continuous production machine with consistent product quality.
- Very easy to clean & assemble parts after cleaning.
- Few setting points for various quality production with more safety control valve.
- Low power consumption due to efficient refrigeration system, cylinder & beater design.

| MODEL | CAPACITY Ltr. / Hr. | DIMENSION | | | POWER V / Ph / Hz | Inst. Power (Watt) |
|-----------|------------------------|-----------|------|------|----------------------|-----------------------|
| | | W | D | H | | |
| PCF / 100 | 100 | 625 | 1060 | 1040 | 415/3/50 | 4000 |
| PCF / 200 | 200 | 660 | 1350 | 1200 | 415/3/50 | 5000 |
| PCF / 400 | 400 | 1020 | 1350 | 1550 | 415/3/50 | 10000 |



Fruitomatic

- Extremely compact mechanical design with superior finish.
- To maintain a perfect hygienic condition, all parts direct contact with ice-cream mix made either stainless steel or food grade material.
- Quick & easy to dismantle for perfect cleaning.
- Variable speed control for Ingredients feeder.

| MODEL | CAPACITY Ltr. / Hr. | DIMENSION | | | POWER V / Ph / Hz | Inst. Power (Watt) |
|-------|------------------------|-----------|-----|------|----------------------|-----------------------|
| | | W | D | H | | |
| PFF | 100-200 | 500 | 770 | 1065 | 230/1/50 | 1500 |



Candy Plant

- Robust design for continuous production
- Outer made from S.S. 304 & inner made from S.S. 316.
- Latest technology for continuous & positive heat transfer hence fast production.
- Low power consumption due to efficient refrigeration system and PUF insulation.
- Electronic temperature controller for consistent control
- Compact to superior finish with stainless steel construction.

| MODEL | CAPACITY Candy/Hr. | DIMENSION | | | POWER V/Ph/Hz | Inst. Power (Watt) |
|----------|-----------------------|-----------|------|------|------------------|-----------------------|
| | | W | D | H | | |
| PCP / 5 | 350 | 640 | 1430 | 1090 | 415/3/50 | 3500 |
| PCP / 10 | 700 | 640 | 2500 | 1090 | 415/3/50 | 6000 |



Hardening Tunnel

- Specially designed arrangement to hard candy & ice-cream in very short time.
- Robust & Elegant aesthetically design.
- Efficient refrigeration system & Chambers maintain a temperature even at working time.
- Automatically control of temperature defrost system by specially programmable temperature controller.
- High density PUF insulation with outer & inner covers in S.S.

| MODEL | Freezing Area | | | DIMENSION | | | POWER V/Ph/Hz | Inst. Power (Watt) |
|---------|---------------|-----|------|-----------|------|------|------------------|-----------------------|
| | W | H | D | W | D | H | | |
| PHT / 4 | 520 | 350 | 1450 | 1200 | 1870 | 2050 | 415/3/50 | 3000 |
| PHT / 8 | 520 | 350 | 2450 | 1200 | 2870 | 2050 | 415/3/50 | 6000 |



Ripple-O-Matic

- Extremely compact Mechanical Design with superior finish.
- Frame Structure outer covering made from Stainless Steel.
- Electrical & Pneumatic Operated
- Quick and easy to dismantle for perfect cleaning
- Available in Double and Triple flavour.

| MODEL | CAPACITY Liter / Hr. | DIMENSION | | | POWER V/Ph/Hz | No. of Pumps |
|---------|-------------------------|-----------|-----|------|------------------|-----------------|
| | | W | D | H | | |
| PRM / 2 | 10-40 | 480 | 425 | 1300 | 230/1/50 | 2 |
| PRM / 3 | 10-40 | 740 | 450 | 1300 | 230/1/50 | 3 |

