



PROBLEEM	OORZAAK	OPLOSSING
De machine start niet op en het display licht niet op	- Defecte hoofdschakelaar - Defecte transformator - Defecte displayprintplaat - Defecte voedingsprintplaat	- Controleer of de hoofdschakelaar correct werkt met een elektrische meettester - Controleer of de transformatorconnector correct is aangesloten op de voedingsprintplaat (M1). - Indien nodig, controleer of de transformator een spanning van ca. 20 VAC levert (connector M1 op de voedingsprintplaat). Vervang indien nodig de transformator - Vervang de displayprintplaat - Vervang de voedingsprintplaat
Alarmmelding "1" op display	Producttemperatuuralarm: de temperatuur van het product in het reservoir is boven de veilige grens van 4°C gestegen	- Zoek de oorzaak van de temperatuurstijging (bijv. stroomuitval, defect apparaat, enz.) en los het op - Controleer of het product niet is bedorven. Houd toets D 2 seconden ingedrukt om de melding te wissen
Alarmmelding "2" op display	Defecte temperatuursensor	Schakel de dispenser uit en vervang de temperatuursensor (zie gerelateerd hoofdstuk)
Alarmmelding "3" op display	Magnetische koppeling ingeschakeld door te hoge dichtheid van het product	Indien de mixer is gestopt, wacht tot deze opnieuw start. De dichtheidsinstelling wordt automatisch met één eenheid verlaagd. Houd toets D 2 seconden ingedrukt om de melding te wissen
Alarmmelding "4" op display	- Softwarebescherming geactiveerd door te hoge stroomopname van de motorreductor - Te hoge productdichtheid	Indien de mixer is gestopt, wacht tot deze opnieuw start. De dichtheidsinstelling wordt automatisch met één eenheid verlaagd. Houd toets D 2 seconden ingedrukt om de melding te wissen
Alarmmelding "5" op display	- Onverwachte stop van motorreductor door te hoge productdichtheid - Defecte motorreductor - Defecte voedingstransformator	- Wacht tot mixer opnieuw start. Dichtheid wordt automatisch verminderd. Houd D 2 seconden ingedrukt om melding te wissen - Controleer verbindingen tussen motor en voedingsprintplaat (M2 of M4) - Controleer of de transformator 20 VAC levert (connector M1); zo niet, vervang

PROBLEEM	OORZAAK	OPLOSSING
		transformator• Vervang motorreductor indien nodig
• Alarmmelding “6” op display	• Mixer draait niet• Fout in motorreductorsignaal (Hall-sensor)	• Controleer of connectoren M12 en M13 goed zijn aangesloten op voedingsprintplaat• Indien nodig: vervang motorreductor• Indien nodig: vervang voedingsprintplaat van defecte tank
• Alarmmelding “7” op display	• Voedingsspanning van de machine is te laag om correct te functioneren	• Vermijd het gebruik van verlengsnoeren of verdeelstekkers• Controleer of de transformator 20 VAC levert (connector M1); vervang zo nodig de transformator
• Alarmmelding “8” op display	• Systeemklok (nodig voor timerfunctie) defect. Machine werkt verder normaal, maar timer werkt niet	• Vervang de displayprintplaat
• Drank lekt uit tank	• Container staat niet correct op lekbak• Containerkoppelingen niet goed gemonteerd• Koppelingen versleten of defect• Tappiston versleten of defect• Tappiston niet in gesloten positie	• Plaats container correct op lekbak• Monteer koppelingen correct• Vervang koppelingen• Vervang tappiston• Controleer hendel of veer en vervang versleten onderdeel
• Machine koelt wel, maar produceert geen granita	• Bewaarmodus i.p.v. Granitamodus geselecteerd• Condensor vervuild• Onvoldoende ventilatie rondom condensor• Product niet correct bereid• Te weinig koelgas	• Selecteer Granitamodus met toets D• Reinig condensor• Zorg voor voldoende vrije ruimte rondom• Bereid product volgens instructies• Controleer op gaslek, repareer en vul bij (zie hoofdstuk 13)
• Machine koelt niet	• Ventilatormotor werkt niet• Overbelastingsbeveiliging van compressor geactiveerd• Defecte elektrische onderdelen compressor• Defecte elektronische printplaat• Compressor defect• Magnetisch ventiel opent niet (spoel of ventiel zelf)	• Zie bovenstaande oorzaken en controleer elk onderdeel op correcte werking, vervang waar nodig

PROBLEEM	OORZAAK	OPLOSSING
• Slechts één tank koelt (andere functioneren correct)	• Defecte printplaat • Te weinig koelgas • Magnetisch ventiel opent niet (spoel of ventiel zelf)	• Vervang printplaat • Controleer op gaslek, repareer en vul bij (zie hoofdstuk 13) • Vervang spoel of ventiel
• Slechts één tank koelt te veel	• Magnetisch ventiel sluit niet	• Vervang het ventiel



1 INTRODUCTION

This operator's manual is a complement to the standard Frosty machine operator's manual available in the unit package. Carefully read first the standard unit Operator's Manual and then all the following sections of this one thoroughly to familiarize yourself with all aspects of the system.

The purpose of the Autofill Device is to increase the productivity of a Frosty Machine far beyond the containers capacity, allowing the automatic refill as soon as the product in the containers drops lower a preset level.

In order to operate a Frosty Machine equipped with Autofill Devices a remote fill system is required.

The remote fill system is composed of all those parts that are installed outside the dispenser and is intended to supply the dispenser with the adequate and correct beverage to be frosty. It is not the aim of this manual to instruct about how to set up and operate a remote fill system.

2 INSTALLATION

1 Loosen the fitting lockers (A) located on the rear cover of each bowl equipped with Refill Device and connect the remote fill system using a 1/4" fitting suitable to the purpose. Tighten the fitting lockers (see figure 1).

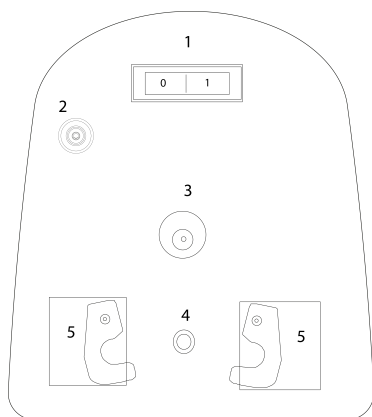


figure 1

2 On the rear cover of each bowl a connector (3) is located. It is designed for connecting a Solenoid Valve or a valve (see figure 2).



IMPORTANT

On the rear cover of each bowl it is present also a 1.25 Amps Fuse (C) to protect the Autofill Devices from short circuits or overloads.

3 The Refill Device doesn't come presanitized from the factory. Prior to starting operation an In-Place Sanitization is to be performed according with this handbook instructions (paragraph 3.3 IN-PLACE SANITIZATION).

3 OPERATING PROCEDURES

Once the remote fill system is set up, follow the procedures described in chapter 3.1 DESCRIPTION OF CONTROLS to activate the Autofill system.



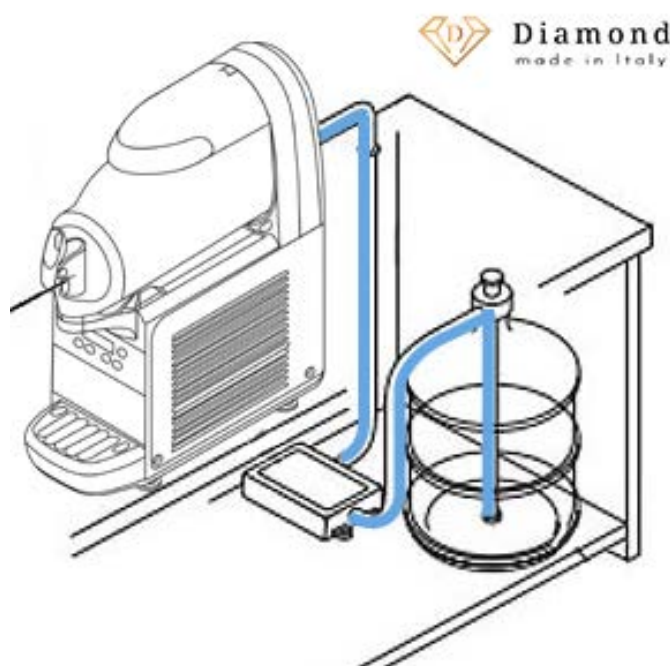
IMPORTANT

The device is designed so as no refilling occurs in case the top cover of the bowl is not properly fitted.

If the top cover is properly installed, the remote fill system starts to operate and feed the bowl through the nozzles in the rear wall. As soon as the product level reaches the sensor located on the rear wall of the bowl, the priming automatically stops. As soon as the sensor immersed in the product gets uncovered (because of dispensed product), the solenoid valve inside the rear wall automatically opens and fresh beverage flows into the bowl until the sensor gets covered again. The solenoid valve opening occurs with about 10 seconds delay to avoid that the irregular waving of product surface, occasionally discovering sensor, may be understood as level dropping "cause of dispensing".

If the solenoid valve remains open longer then 5 minutes and the product level doesn't reaches the sensor, the top covers lights blinks and an acoustic alarm is activated.

figure 2



3. 1 DESCRIPTION OF CONTROLS



IMPORTANT

The automatic control system only works with mounted container lids.

Each Refill Device is equipped with a three position switch located on the rear wall (D). Its functions are as follows:

- I position : Only top cover lights are turned ON, provided that the power switch of the unit is set to I.
- 0 position : Both top cover lights and Autofill Device are turned OFF.
- II position : Both Autofill Device and top cover lights are turned ON, provided that the power switch of the unit is set to I.

To operate the Refill Device:

- 1 Set the power switch of the unit to I position.
- 2 Set the Autofill switch to II position.
- 3 Then:

- SMART model : put the mixer / refrigeration switch of the container in the desired position.
- DIGITAL model : press the mixer / refrigeration button of the container in the desired position.

Note: when Autofill switch is set to position 0, the unit performs as a standard unit not equipped with Autofill Device.

3. 2 OPERATIONAL HELPFUL HINTS

- 1 The feeding system is equipped with end-of-product sensors. If these detect that there is no filling for more than 5 minutes, the automatic filling system stops and the appropriate alarms are activated (buzzer and flashing lights). To reset the alarms, set the switch to "0".
- 2 If the solenoid valve remains open longer than 5 minutes and the product level doesn't reach the sensor, the top covers lights blink and an acoustic alarm is activated.
- 3 After cleaning and sanitizing procedures carefully dry the bowl and the sensor to avoid that the water present on the bowl may be understood as level reaching the probe and "causing of stopping of the refill".

3. 3 INLET FLOW ADJUSTMENT

Proper Inlet flow adjustment (E) is factory preset. To change the flow, if needed, use a suitable Allen Key to turn the adjustment screw located on top of each Autofill Inlet as follows: (see figure 2)

- towards right (clockwise) to increase the inlet flow.
- towards left (counterclockwise) to decrease the inlet flow.

3. 4 IN-PLACE SANITIZATION

The In-Place Sanitization of the Refill system is recommended to guarantee the best product taste and the highest unit efficiency. This section is a procedural guideline only and is subject to the requirements of the local Health Authorities. Prior to perform the In-Place Sanitization the machine must be emptied of product. To do this proceed as follows:

- set the Refill switch to 0 position.
- set the unit power switch to I position

- set the unit mixer/refrigeration switch to I position (Soft Drink mode)
- place a pail under each faucet and drain all product from bowls
- set all control switches to 0 position

1 Use a clean tank for each of the following:

b - Cleaning Tank - fill with warm (45-60 °C / 120 - 140 °F) potable water.

c - Sanitizing Tank - fill with sanitizing solution (100 PPM available chlorine concentration or 1 spoon of sodium hypochlorite diluted with half a gallon of water) according to your local Health Codes and manufacturer's specifications.

4 Repeat the following procedure on each of the unit bowls:

e - Disconnect the beverage source and in place of it connect the Cleaning Tank to the remote fill system line.

f - Set the unit Power Switch to position I and the Autofill switch (located on the rear cover of each bowl) in position II, until the cleaning water flows free from any beverage residue. Set both the Refill Switch and the unit Power Switch to position 0 and drain all the liquid from the bowl.

g - Disconnect the Cleaning Tank and in place of it connect the Sanitizing Tank to the remote fill system line.

h - Set the unit Power Switch to position I and the Refill switch (located on the rear cover of each bowl) in position II, until sanitizing solution only outflows. Flush at least a quarter of a gallon of sanitizing solution to make sure that all the system has been filled with it. Set both the Refill Switch and the unit Power Switch to position 0 and drain from the bowl all the sanitizing solution.

i - Disconnect the Sanitizing Tank and in place of it connect the Beverage source to the remote fill system line.

j - Set the unit Power Switch to position I and the Refill switch (located on the rear cover of each bowl) in position II, until full strength beverage outflows. Set both the Refill Switch and the unit Power Switch to position 0 and drain all the liquid from the bowl.

k - Set the unit Power Switch to position I and the Refill switch (located on the rear cover of each bowl) in position II, dispense a cup of beverage and check its taste.

If not satisfactory, drain all the liquid from the bowl and repeat point G until obtaining a satisfactory tasting drink

Note: the above Refill System In Place Sanitization must be followed by unit cleaning and sanitization as described in standard unit Operator's Manual.

4 ROUTINE MAINTENANCE

Daily: inspect the machine for signs of product leaks past seals and gaskets. If proper assembly does not stop leaks around seals or gaskets, check for improper lubrication, worn or damaged parts. Replace parts as needed.



IMPORTANT

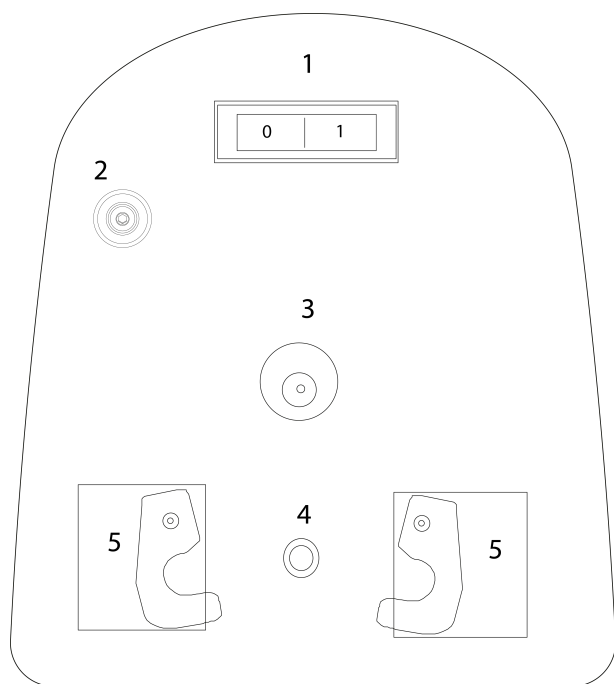
Weekly: inspect the product sensor located on the rear wall of the bowl. Keep it clean and free from sugar.



Auto Refill 10.2

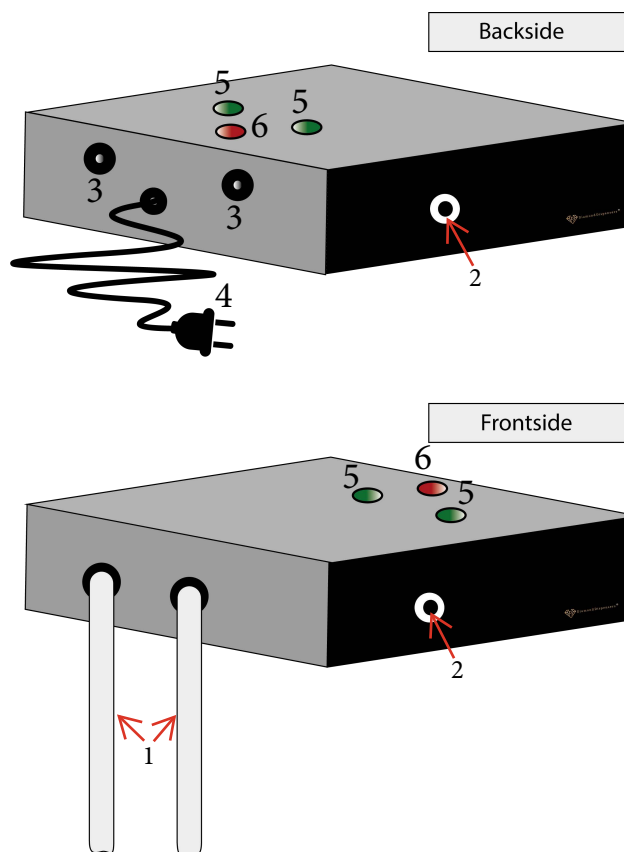
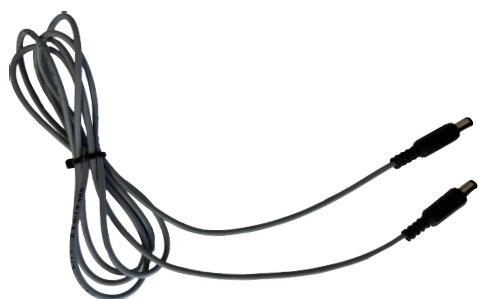


Backside of the Dispenser



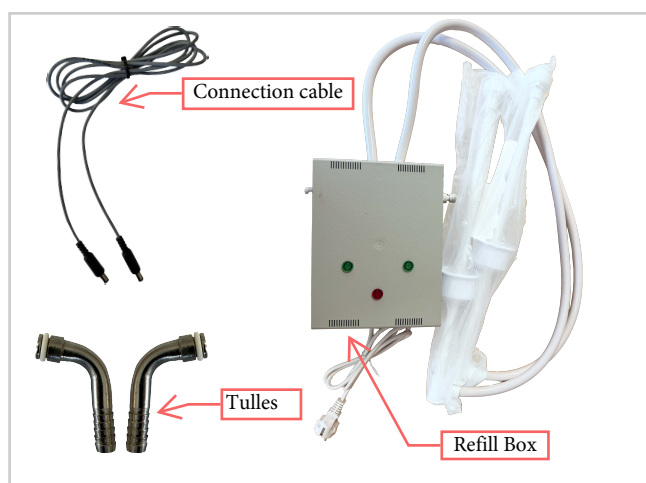
- 1 = On/Off Refill
- 2 = Fuse 1,25A/250V type F
- 3 = Refill Box connector
- 4 = Control LED refill active
- 5 = Inled from refill box

Connection cable (3) to connect the refill Box and the Dispenser (3)



- 1 = Inled to jerrycan / container
- 2 = Outled to inled of the dispenser (5)
- 3 = Connector to connector (3) dispenser
- 4 = Powercord 220 V
- 5 = LED GREEN active pump
- 6 = LED RED power on 220V

All the components in the Refill Box. The tubes that you need from the Box to the Dispenser will be made and cut on installation.





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