



NEW AC SERIES

AC SERIES CUBERS

TECHNICAL SERVICE TRAINING

Welcome to another Scotsman technical service presentation. This one will cover the electronic units of new AC “..6” Series Ice Cube Machines.

Models are **AC 106, AC 126, AC 176, AC 206 and AC 226.**



AC 106 A/W

Max. Ice Production = 50 kg/24h*

Max. Storage Bin Capacity = 23 Kg

* 10/10°C= Air & Water Inlet Temperature

Medium Gourmet
20 g



34,5 mm x 30,5 mm x 29,5 mm

Large Gourmet
39 g



41,5 mm x 38 mm x 35 mm



AC 126 A/W

Max. Ice Production = 71 Kg/24h*

Max. Storage Bin Capacity = 39 Kg

* 10/10°C= Air & Water Inlet Temperature

Small Gourmet
8 g



25,5 x mm 22,5 mm x 21 mm

Medium Gourmet
20 g



34,5 mm x 30,5 mm x 29,5 mm

Large Gourmet
39 g



41,5 mm x 38 mm x 35 mm



AC 176 A/W

Max. Ice Production = 85 Kg/24h*

Max. Storage Bin Capacity = 48 Kg

* 10/10°C= Air & Water Inlet Temperature

Small Gourmet
8 g



25,5 x mm 22,5 mm x 21 mm

Medium Gourmet
20 g



34,5 mm x 30,5 mm x 29,5 mm

Large Gourmet
39 g



41,5 mm x 38 mm x 35 mm

AC 206 A/W

Max. Ice Production = 137 Kg/24h*

Max. Storage Bin Capacity = 50 Kg

* 10/10°C = Air & Water Inlet Temperature



Small Gourmet
8 g



25,5 x mm 22,5 mm x 21 mm

Medium Gourmet
20 g



34,5 mm x 30,5 mm x 29,5 mm

Large Gourmet
39 g



41,5 mm x 38 mm x 35 mm



AC 226 A/W

Max. Ice Production = 150 Kg/24h*

Max. Storage Bin Capacity = 70 Kg

* 10/10°C = Air & Water Inlet Temperature

Small Gourmet
8 g



25,5 x mm 22,5 mm x 21 mm

Medium Gourmet
20 g



34,5 mm x 30,5 mm x 29,5 mm

Large Gourmet
39 g



41,5 mm x 38 mm x 35 mm

TOPICS

On the next slides are shown the following steps by steps procedures:

- **UNPACKING**
- **INSTALLATION**
- **START UP AND OPERATIONAL CHECKS**
- **OPERATING PRINCIPLES and COMPONENTS**
- **MAINTENANCE**
- **SERVICE ANALYSIS**



NEW AC SERIES

UNPACKING

UNPACKING

The machines are supplied in a carton box secured by two plastic strips to a wooden base. Check first the outside conditions of carton box and wooden base then cut the two plastic strips, remove the tape and then the carton box.



UNPACKING

Visually inspect the exterior of the machine then open the bin door and remove from the inside the:

- water supply inlet tube
- water outlet tube
- leg kit
- sanitizing bag



UNPACKING

Remove the adhesive tapes securing the curtain and the spray platen to the front of the water sump.





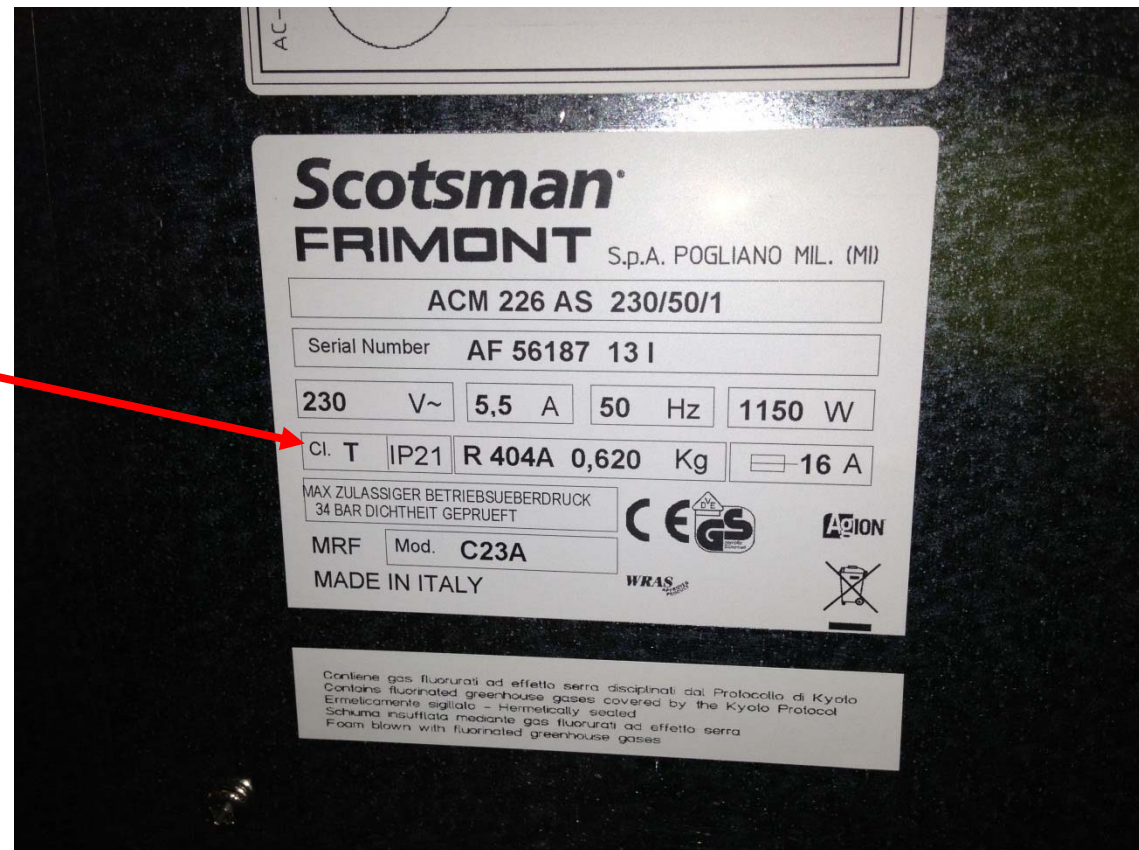
NEW AC SERIES

INSTALLATION

INSTALLATION

Check the data plate of the machine located on the rear panel for correct voltage as well as for the proper wiring/fuse size.

Remember that all machines require a solid earth wire.



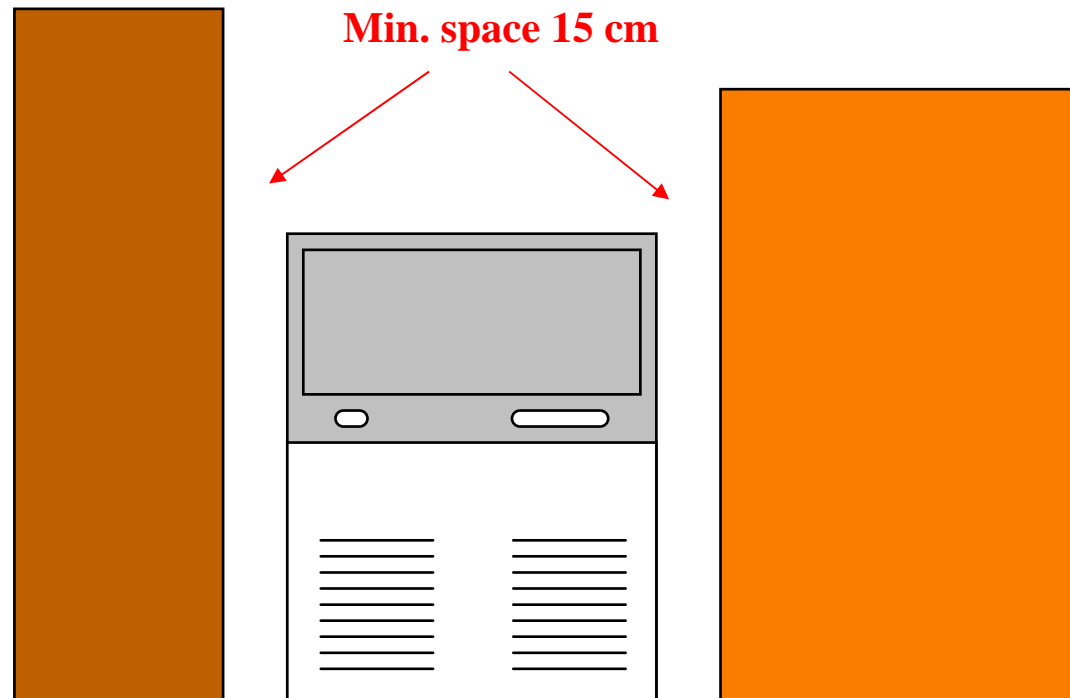
INSTALLATION

Check for the correct water and ambient conditions that should be:

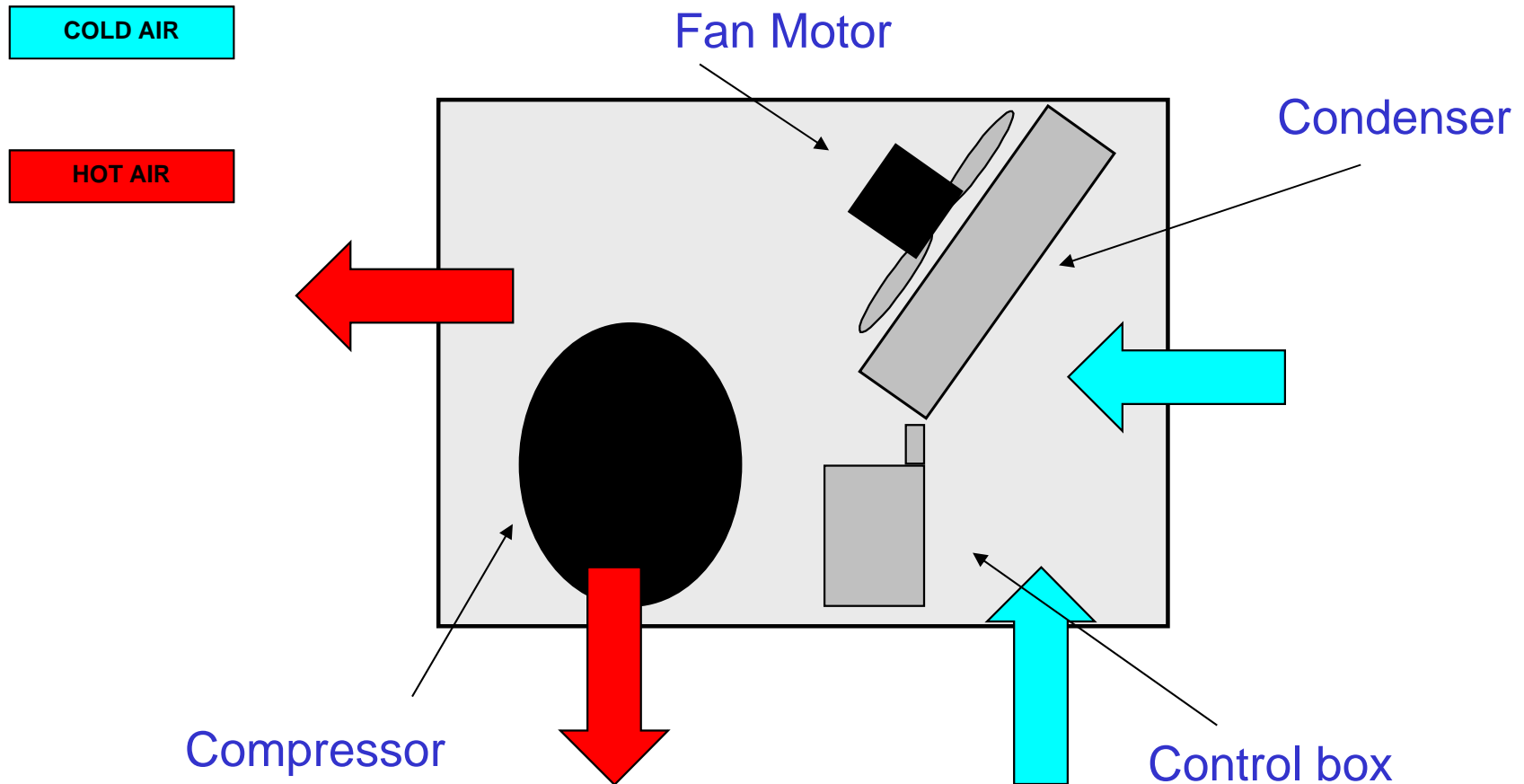
- Min. ambient temperature 10°C (50F)
- Max. ambient temperature 40°C (100F)
- Min. water temperature 5°C (40F)
- Max. water temperature 35°C (90F)
- Min. water pressure 1 bar (14 PSI)
- Max. water pressure 5 bar (70 PSI)

INSTALLATION

Adequate space must be left for proper water and electrical connections on the rear side of the machine. A minimum clearance of 15 cm on both sides for best routing air.

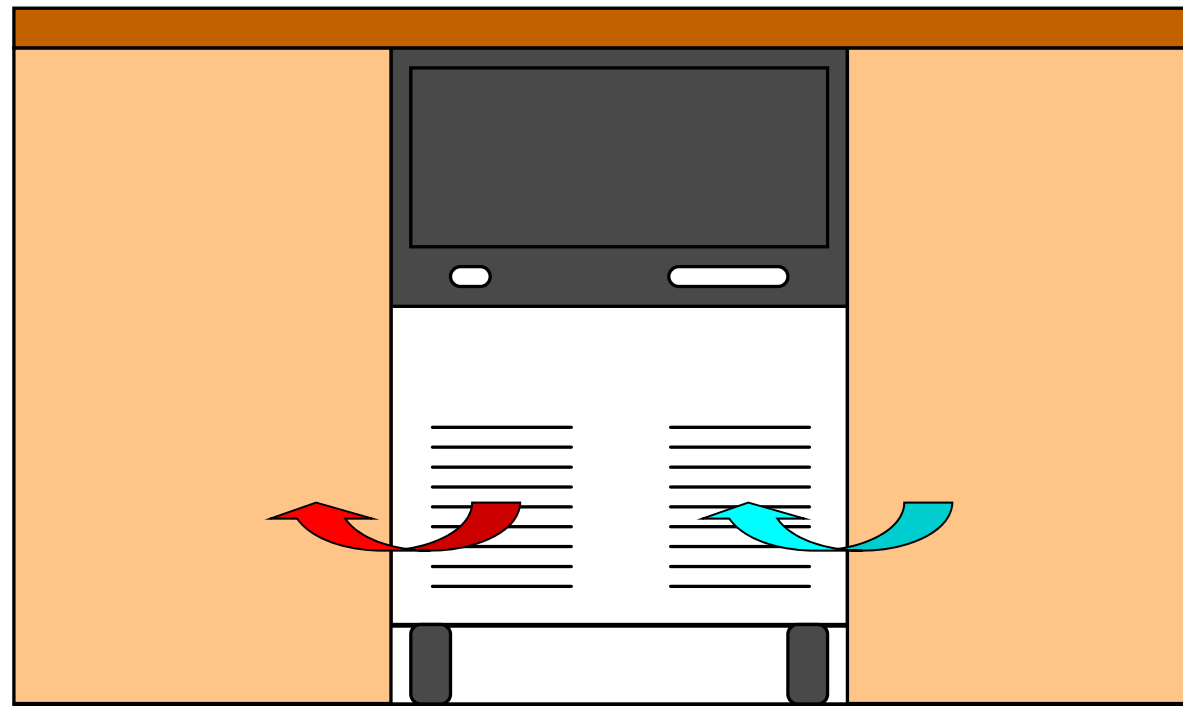


INSTALLATION - AIR CIRCULATION



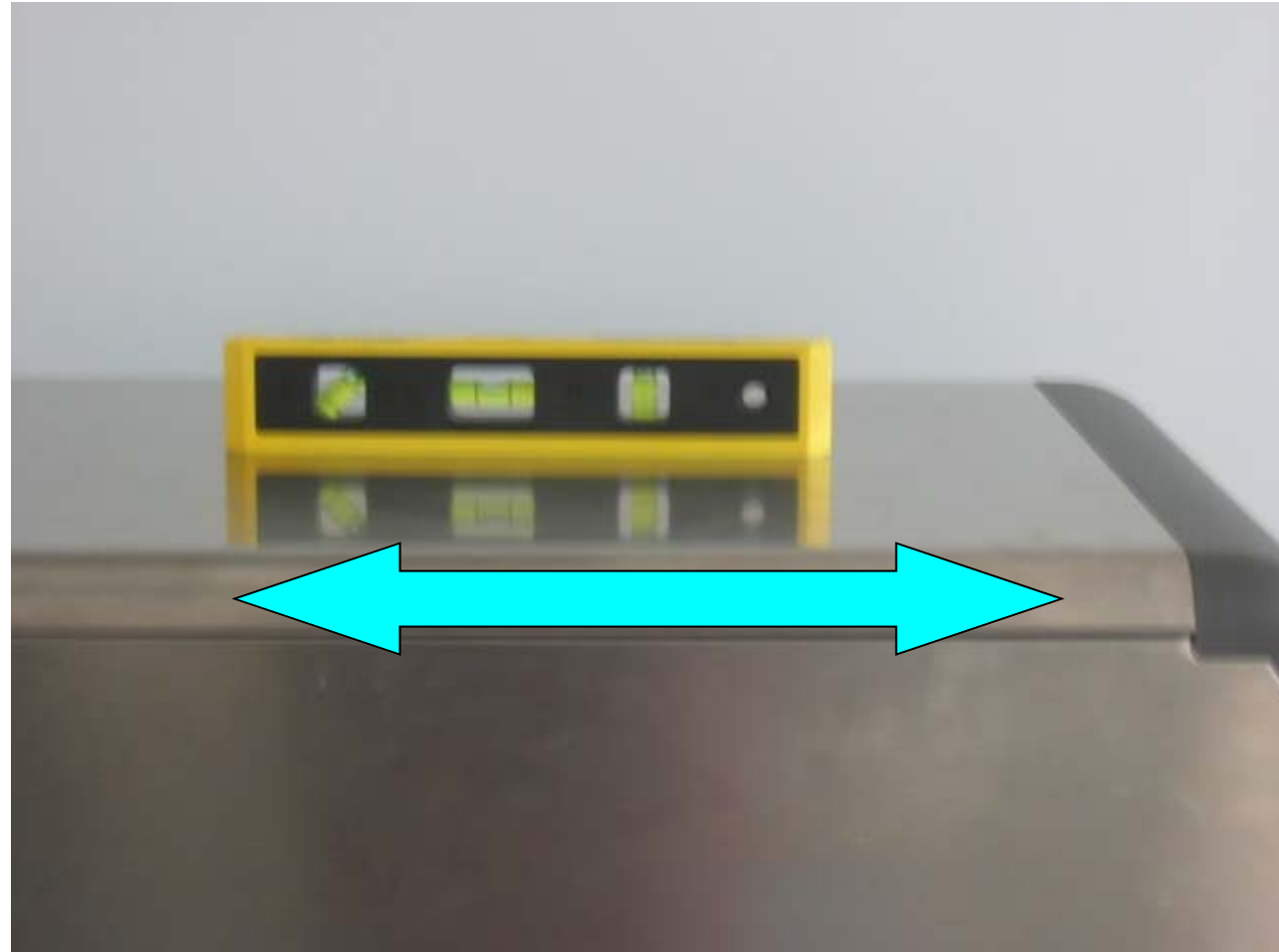
INSTALLATION

Installation under counter with no space of both sides are allowed but daily ice capacity can drop down to a maximum of 20%.



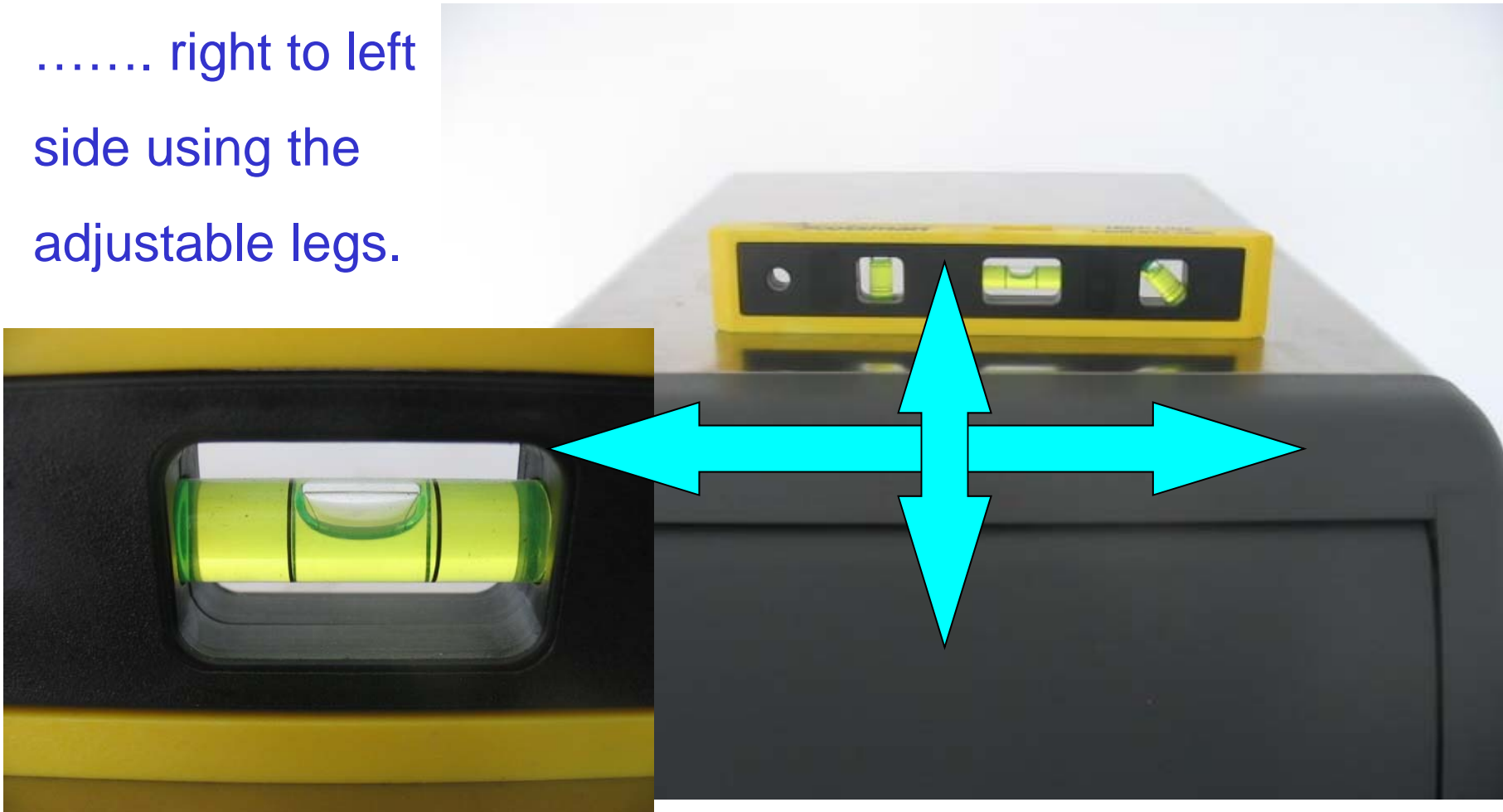
INSTALLATION

Level the
unit on both
directions
front to rear
and.....



INSTALLATION

..... right to left
side using the
adjustable legs.



INSTALLATION - ELECTRICAL

Install, on the cable supply with the machine, an adequate electrical plug according to the local standards and regulations.

Maximum voltage variation should be $\pm 10\%$.

Machine must be individually fuse protected.



INSTALLATION – WATER IN

Connect the water inlet 3/4" male thread of the water inlet solenoid valve to the water supply line by means of the rubber hose provided with machine.

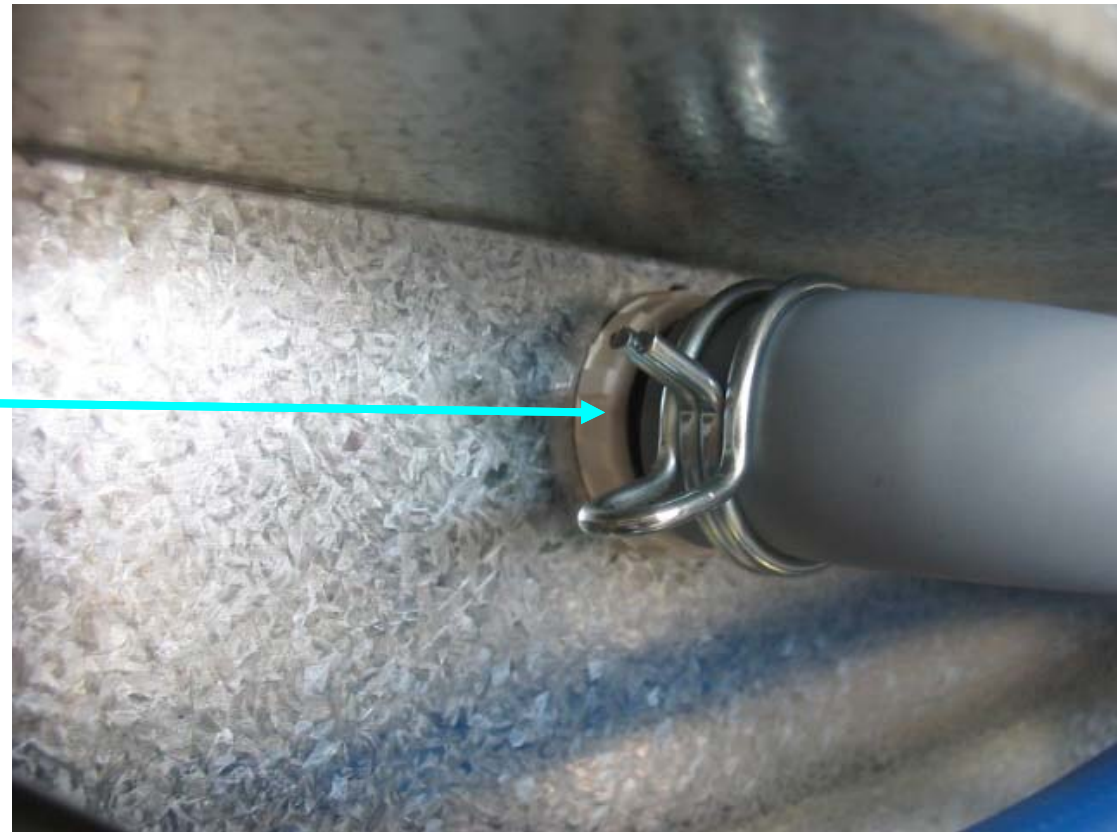
Install on water supply line closed to the machine a water valve (tap).



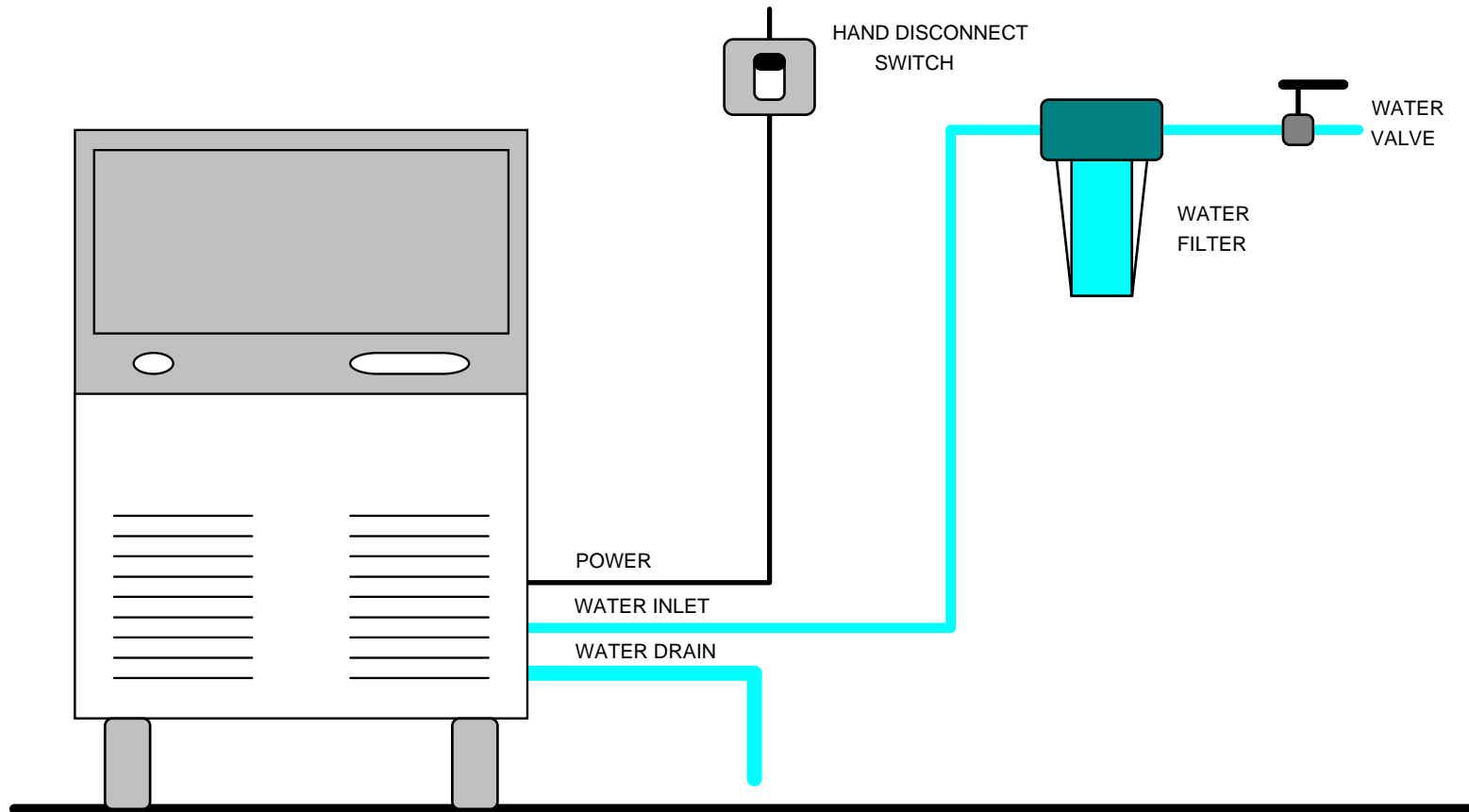
INSTALLATION – WATER DRAIN

Connect the 20 mm O.D. fitting of the water drain with the flexible hose supply with the machine securing it by proper clamp.

As water will be mainly drained under pressure (by water pump) it is not necessary to have a vented drain.



TYPICAL INSTALLATION
AIR COOLED VERSION



INSTALLATION

AC 126 – AC 176 – AC 206 - AC 226

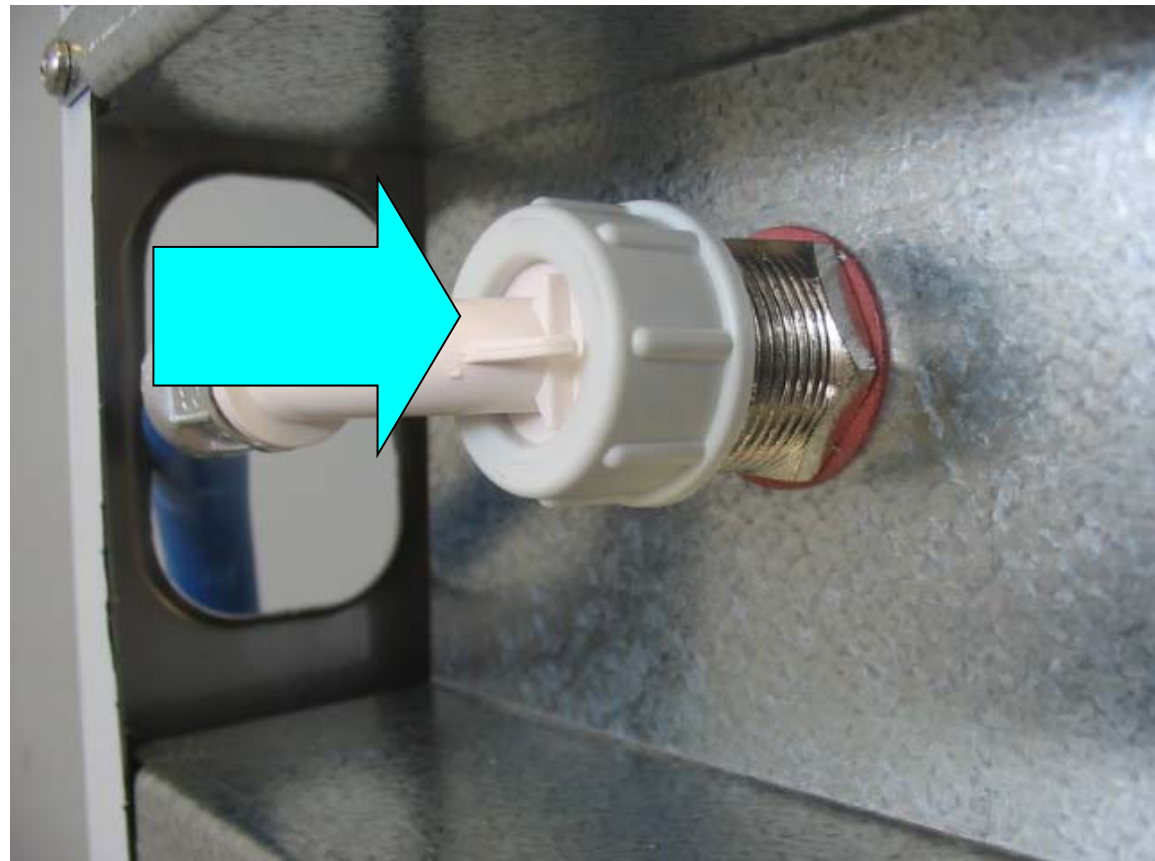
On the water cooled version there are two separate 3/4" male thread water inlet fittings.....



INSTALLATION

AC 126 – AC 176 – AC 206 - AC 226

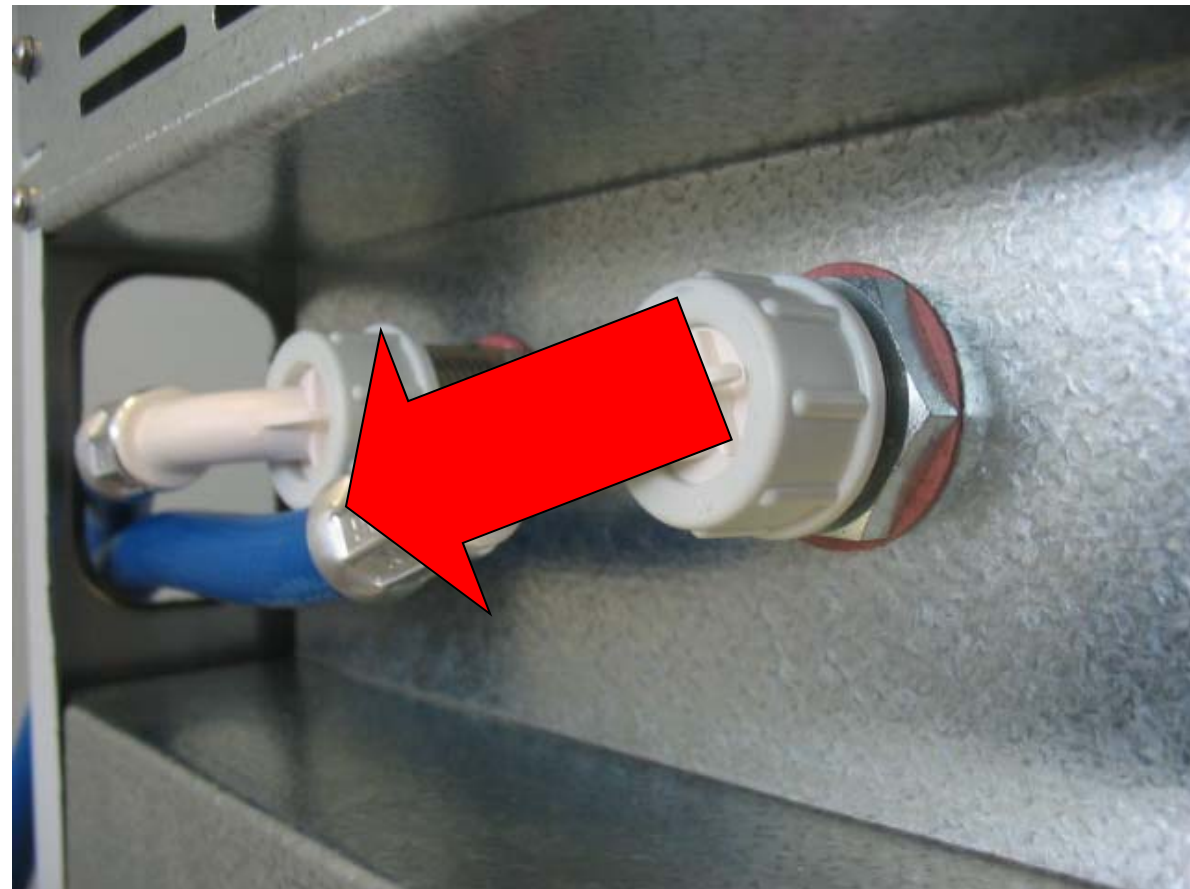
.....one connected directly to the water regulating valve that must be connect to the water supply line by means a second rubber hose provided with machine and.....



INSTALLATION

AC 126 – AC 176 – AC 206 - AC 226

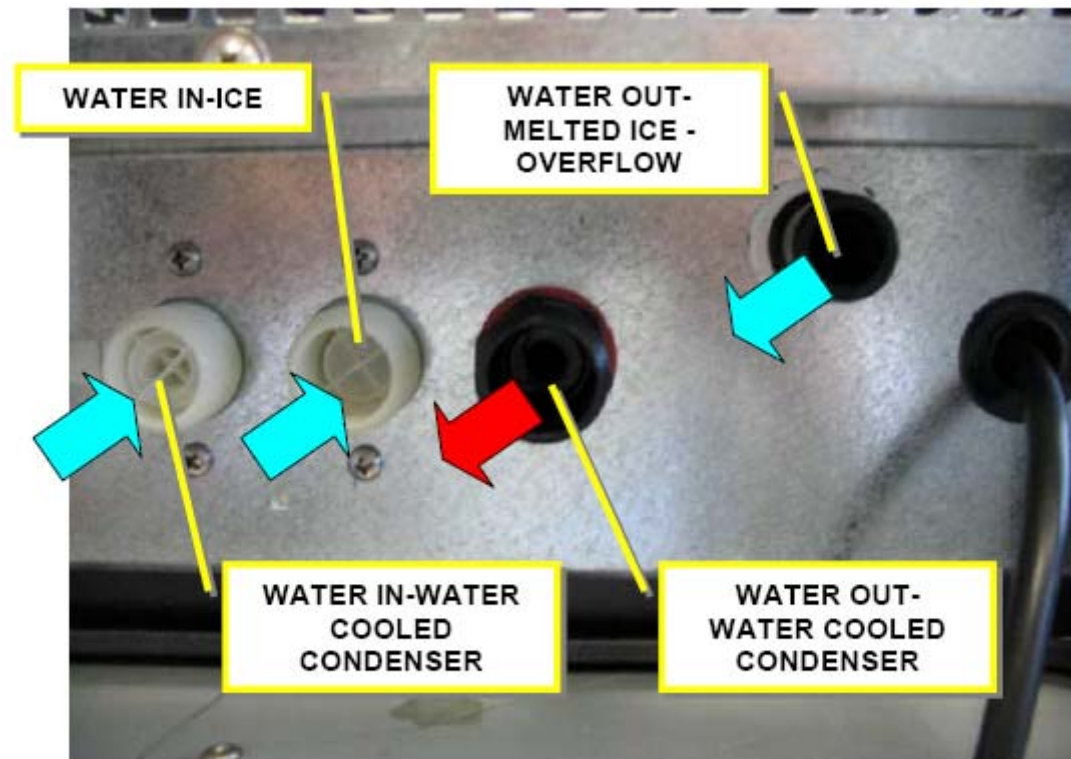
.....a second separate drain hose must be connected to the outlet 3/4" male fitting located beside the water regulating valve.



INSTALLATION

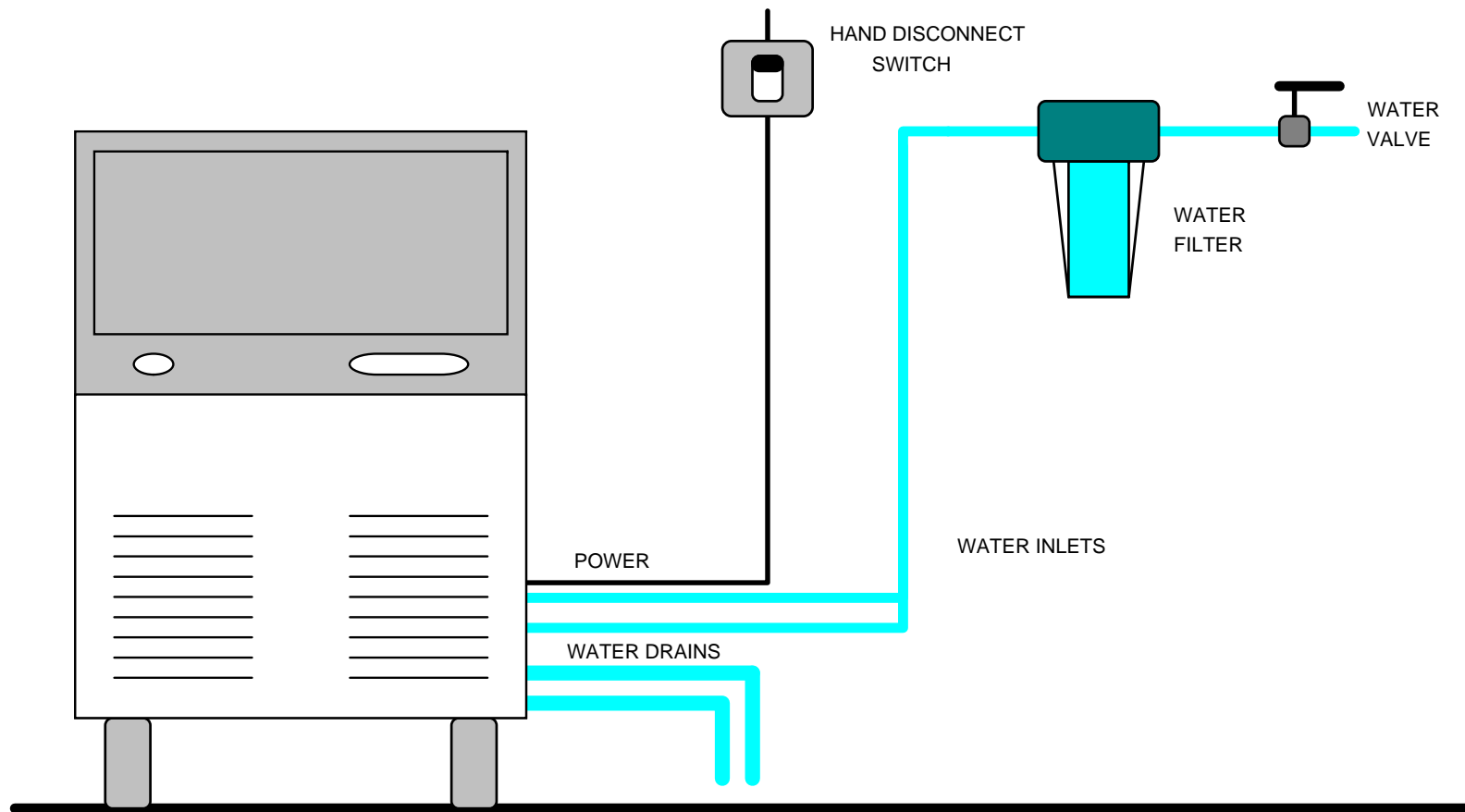
AC 106 ONLY

On the water cooled version of the AC 106 only there are two water inlet solenoid valve with two separated outlet fittings



TYPICAL INSTALLATION

WATER COOLED VERSION





NEW AC SERIES

START UP AND OPERATIONAL CHECKS



NEW AC SERIES

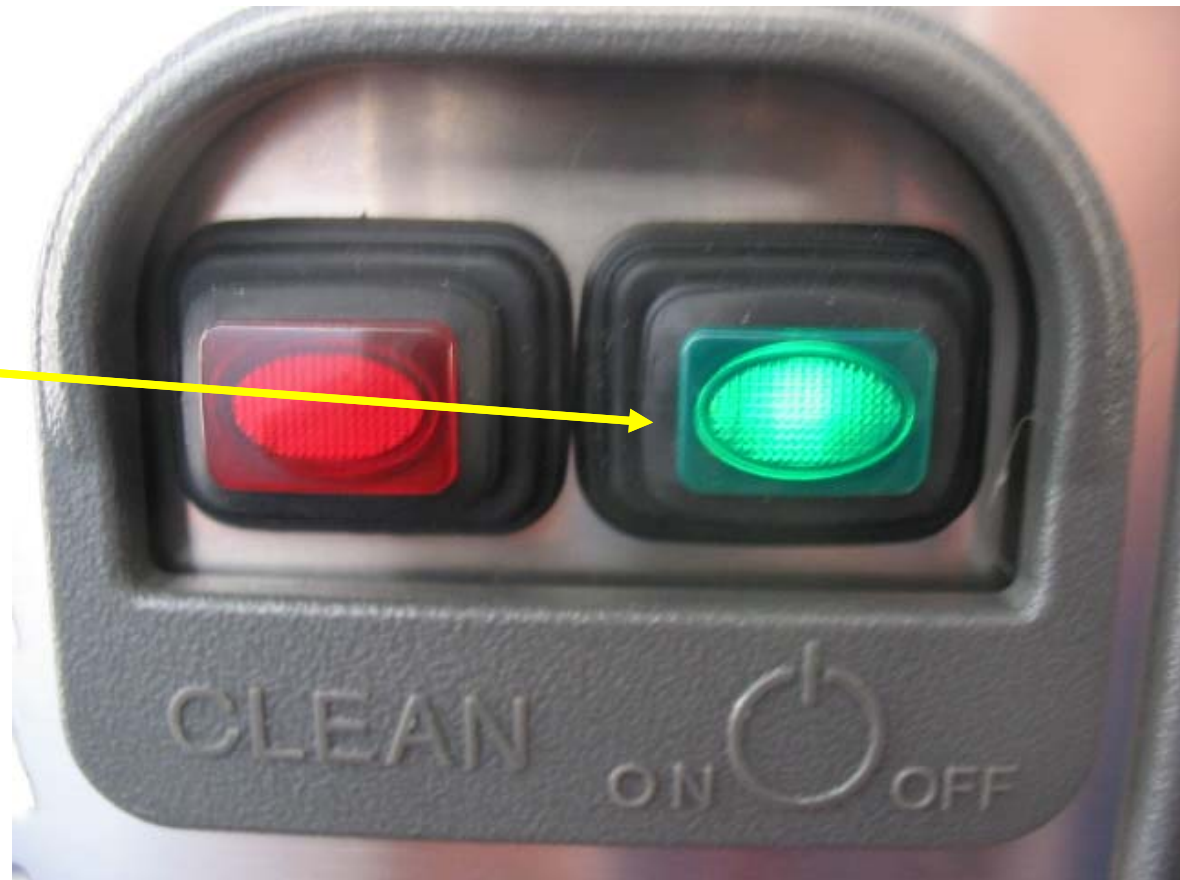
START UP AND OPERATIONAL CHECKS

Open the water tap/valve and Switch ON the power on the electrical supply line.



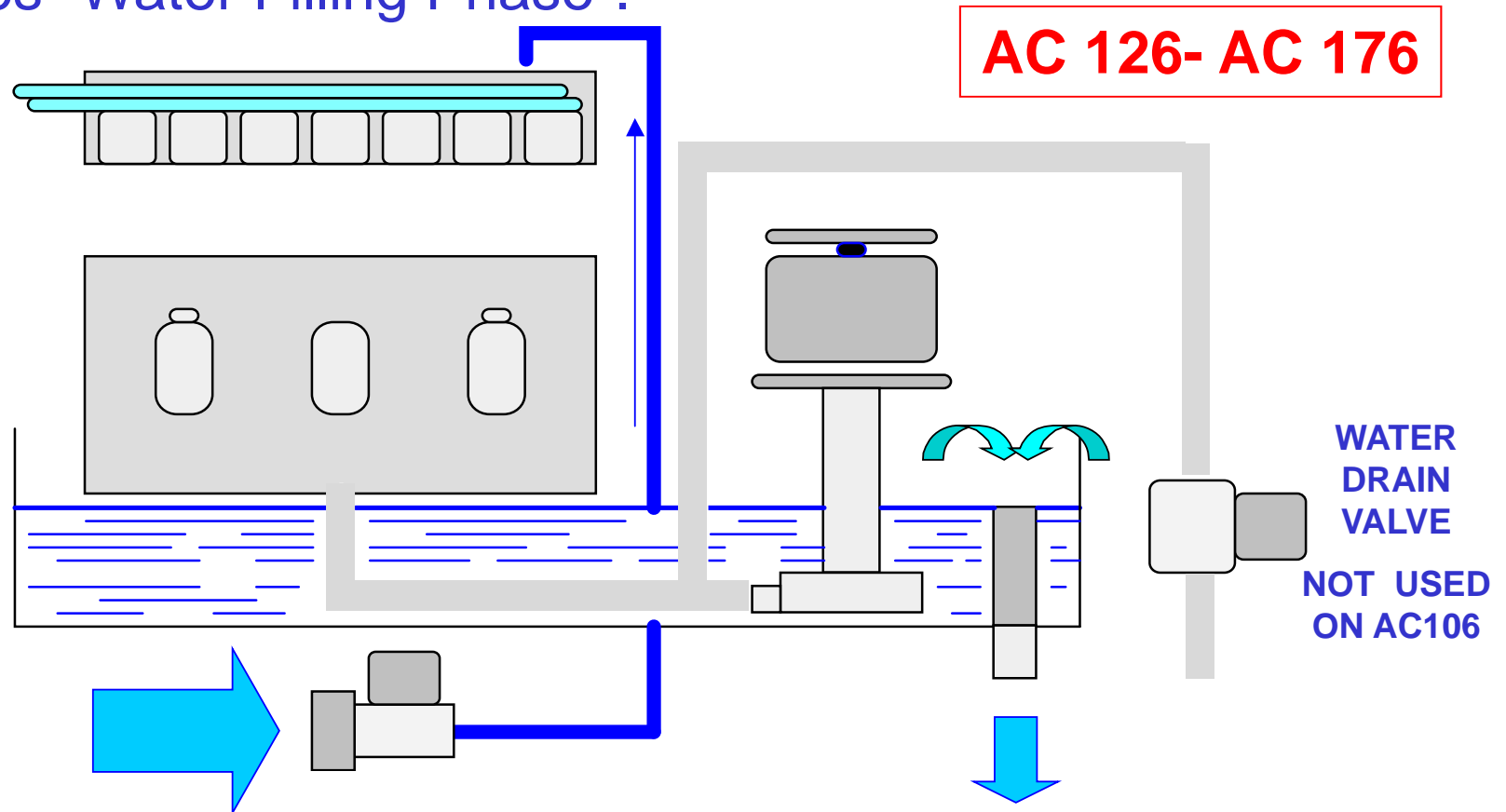
START UP AND OPERATIONAL CHECKS

Push the Green
Push Button
Switch to Start
Up the machine



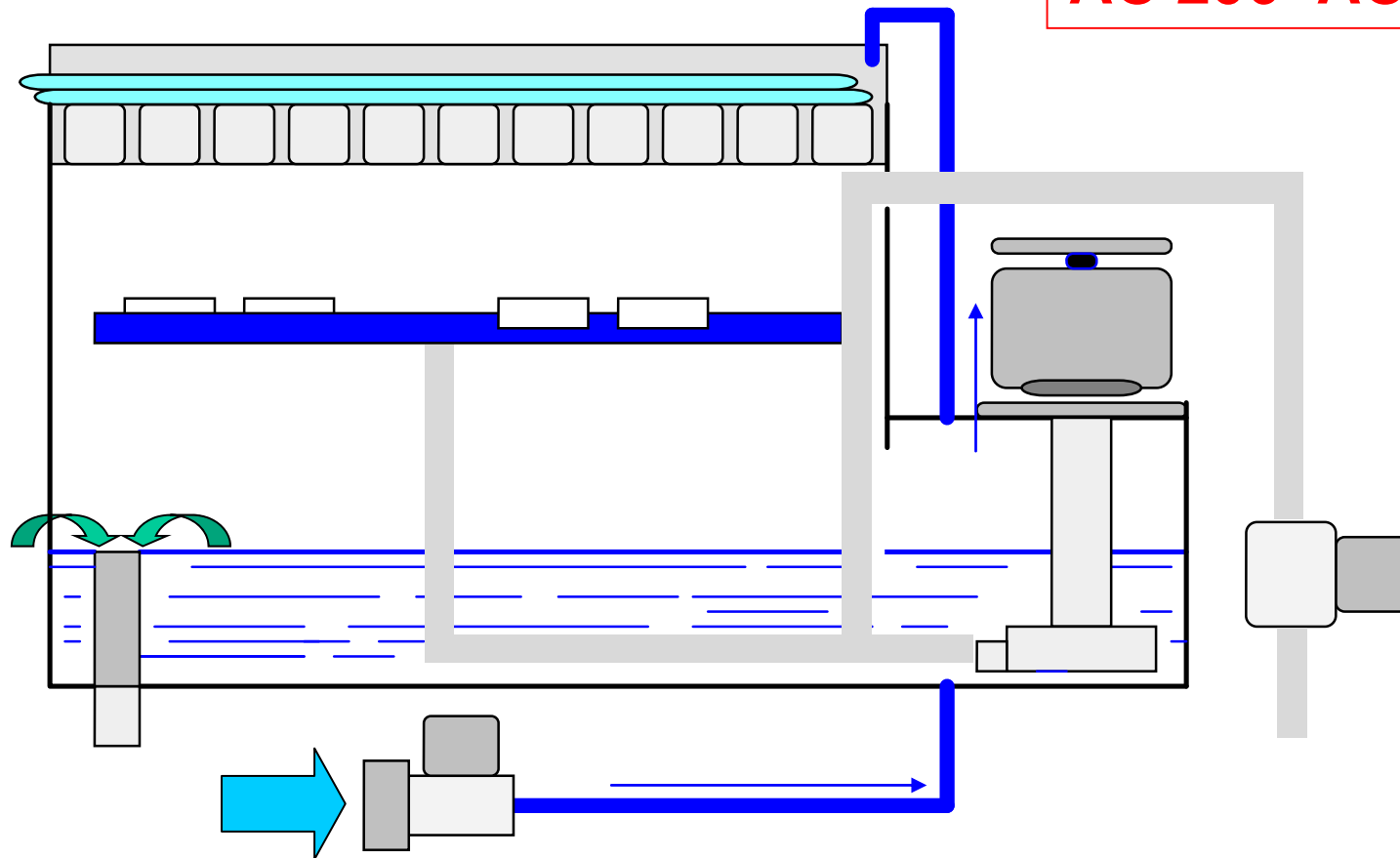
START UP AND OPERATIONAL CHECKS

The Ice Machine will start up automatically through the 5 minutes “Water Filling Phase”.



START UP AND OPERATIONAL CHECKS

AC 206- AC 226



START UP AND OPERATIONAL CHECKS

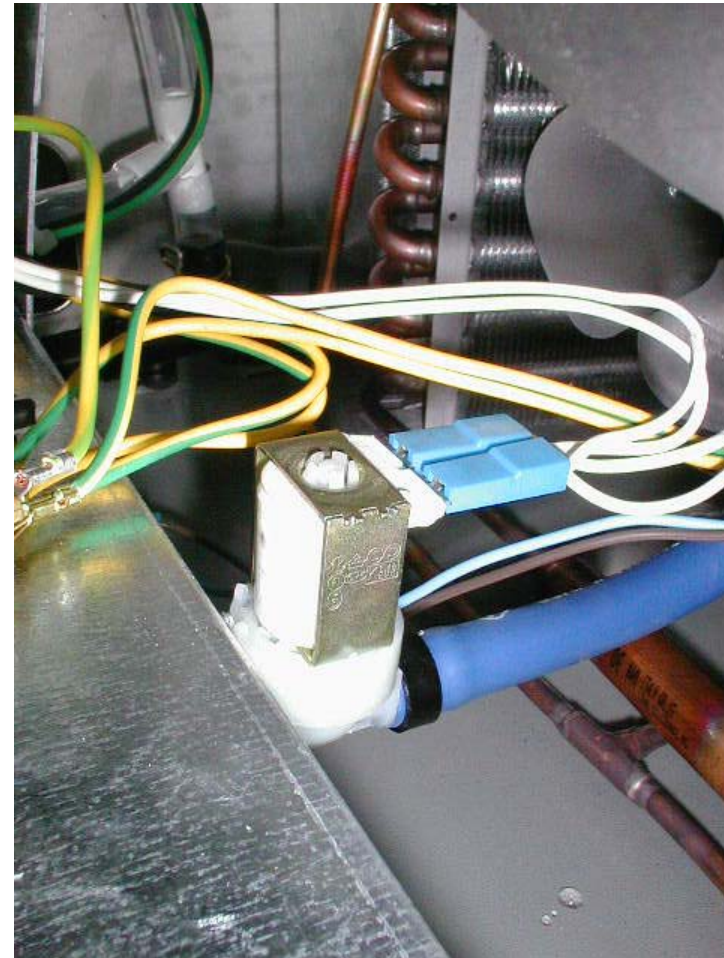
The components energized during this period are:

- **PC Board**



START UP AND OPERATIONAL CHECKS

- **Water Inlet Solenoid Valve**



START UP AND OPERATIONAL CHECKS

- Water drain valve (**not used on AC106**)



START UP AND OPERATIONAL CHECKS

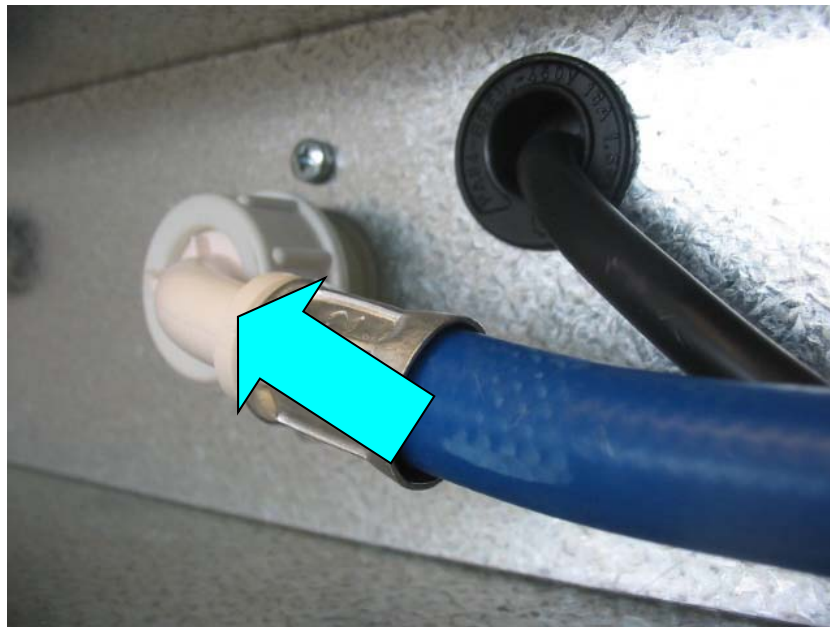
- **Hot Gas Solenoid Valve**



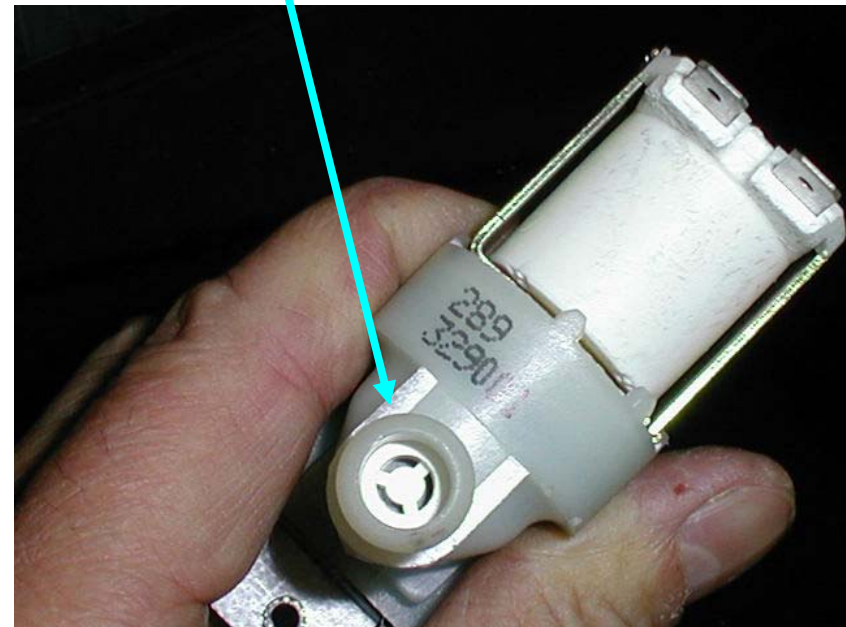
NEW AC SERIES

START UP AND OPERATIONAL CHECKS

During the first 5' the water goes through the Water Inlet Valve then...



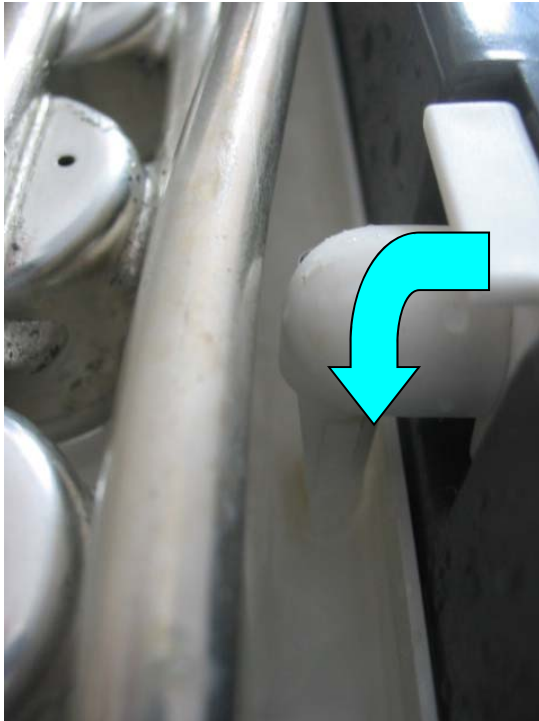
....flows into the small orifice of the "Flow Control" located on the outlet port of the same.



START UP AND OPERATIONAL CHECKS

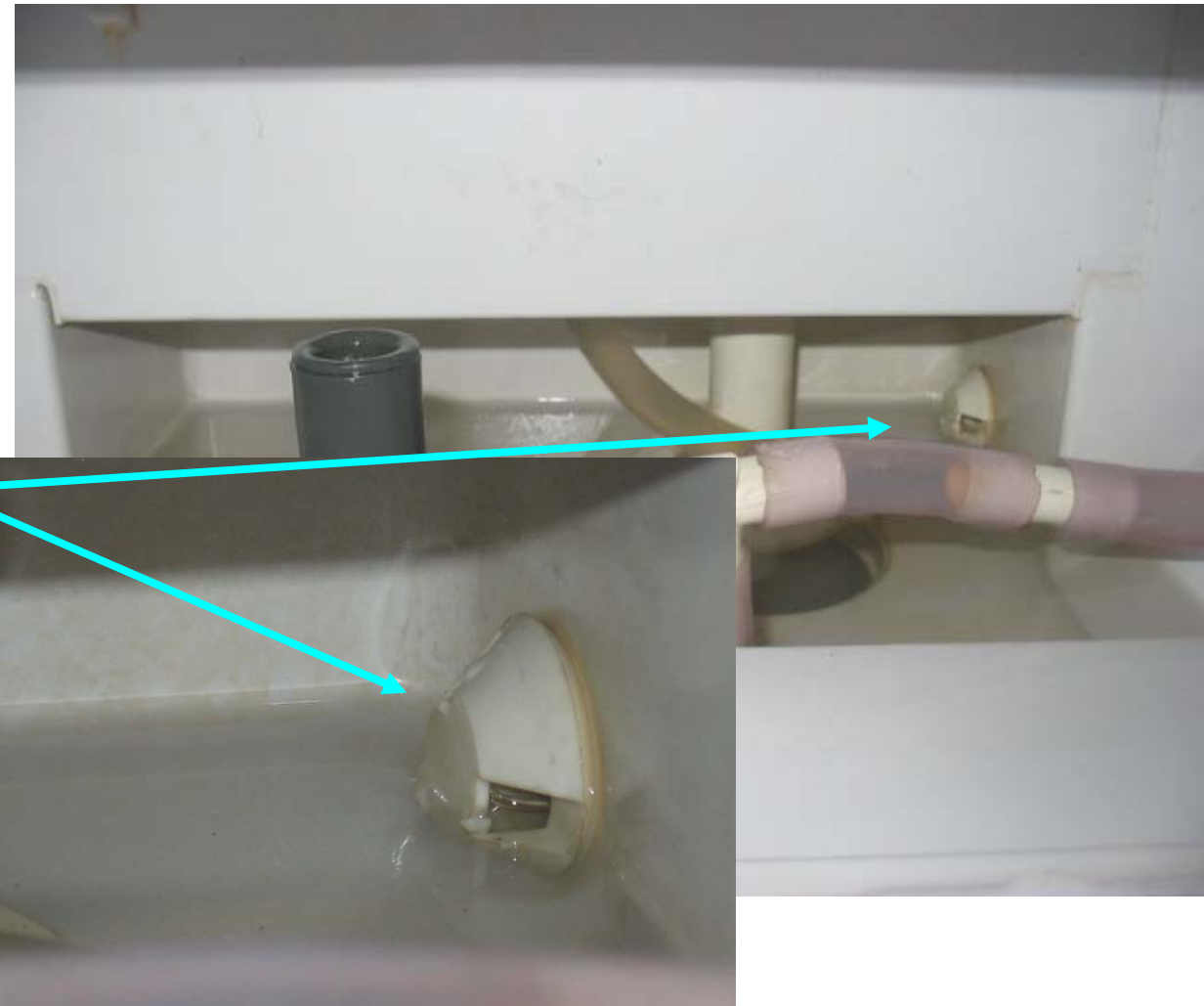
Following the plastic inlet hose the incoming water arrive on the upper side of the evaporator....

.... where it flows onto the plastic evaporator platen dribbling down through the holes located on the corners.



START UP AND OPERATIONAL CHECKS

Dribbled water is collected down into the water sump where is located the overflow that assures the proper water level and quantity for the next freezing cycle.



START UP AND OPERATIONAL CHECKS

After the first 5' of water filling phase the machine start up automatically on freezing cycle with the following electrical components in operation:

- **Compressor**



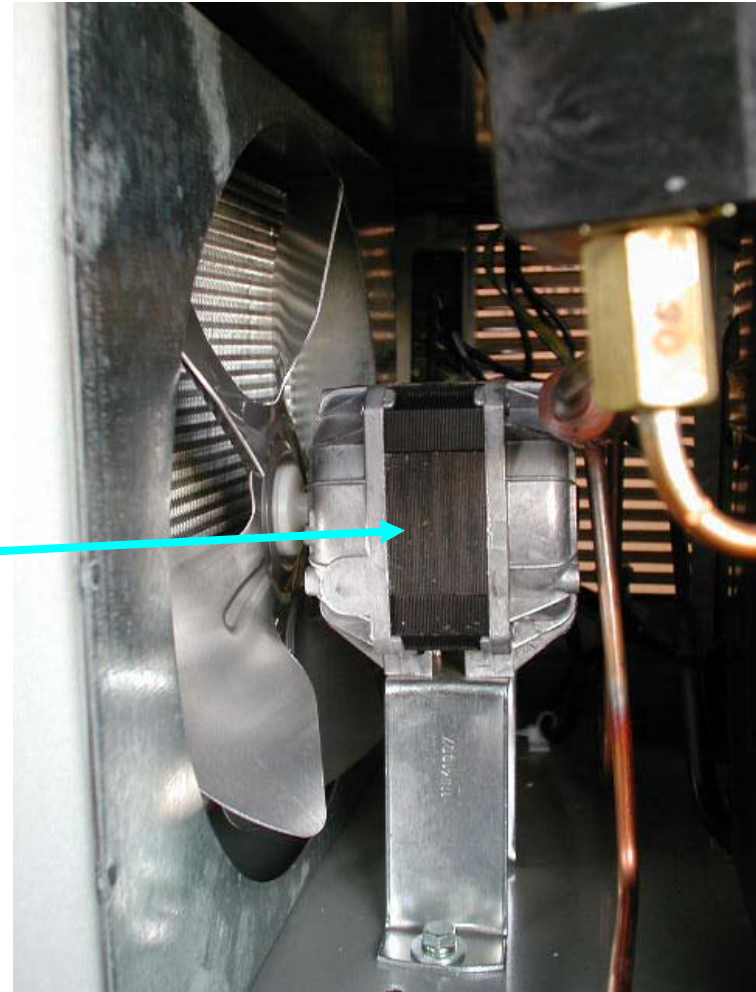
START UP AND OPERATIONAL CHECKS

- **Water Pump**



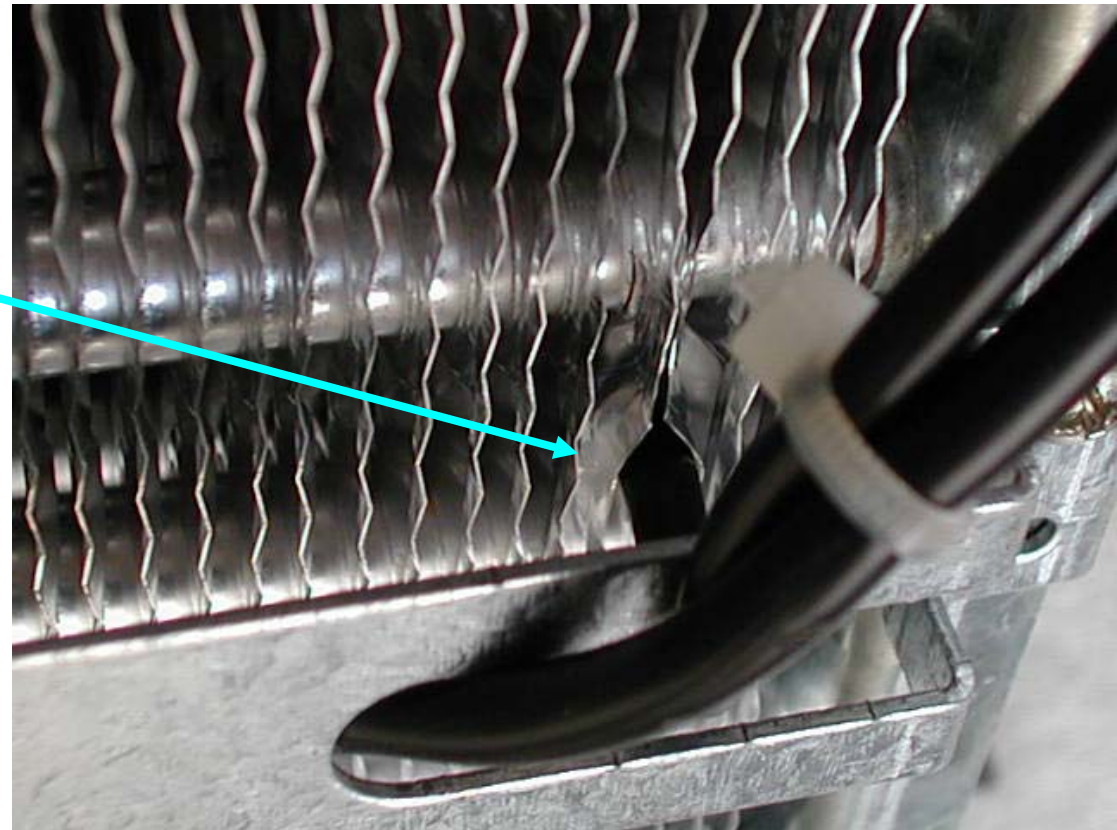
START UP AND OPERATIONAL CHECKS

- Fan Motor (on air cooled version only)



START UP AND OPERATIONAL CHECKS

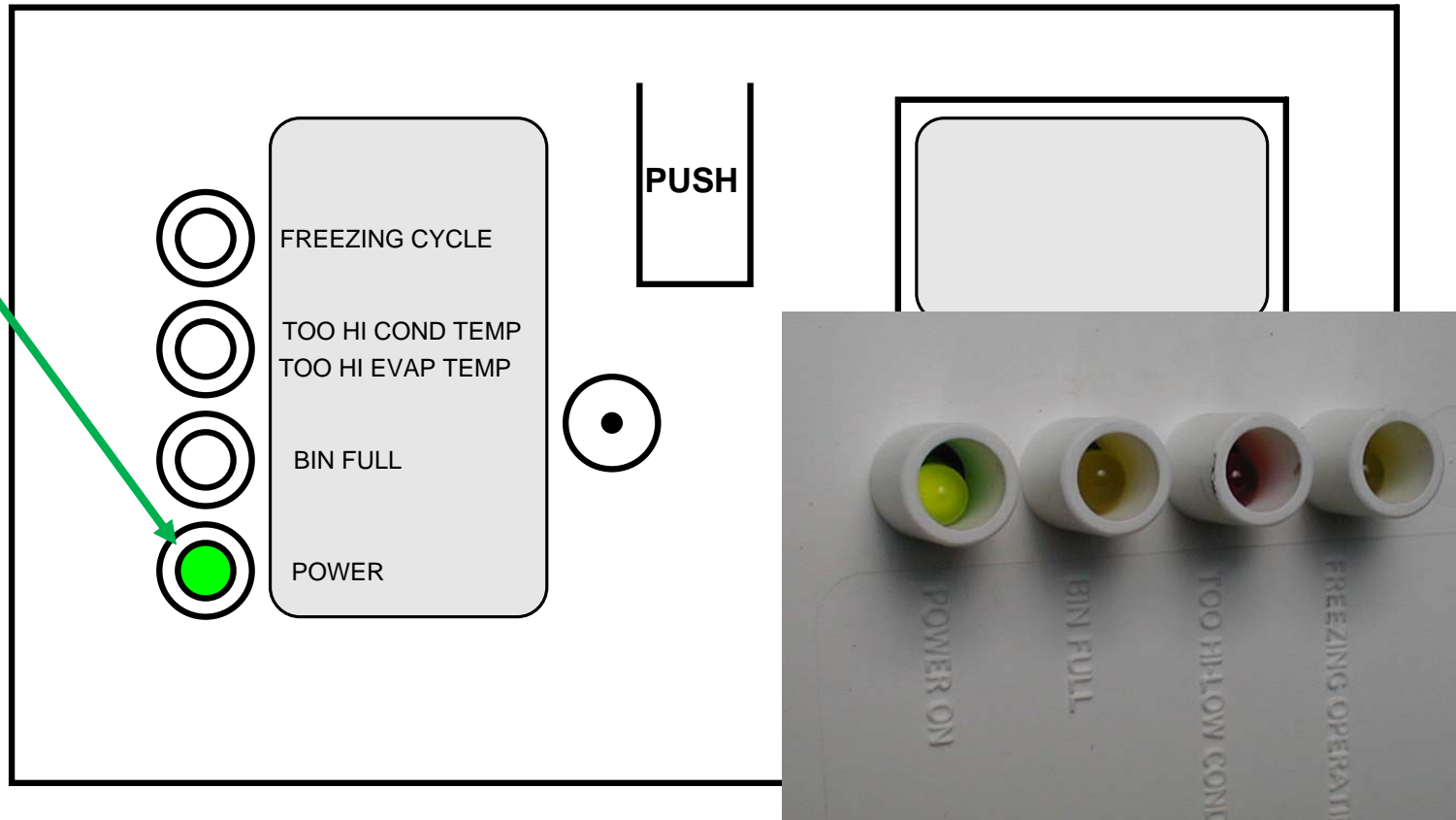
The operation of the fan motor is controlled by a condenser temperature sensor located within the fins of condenser that transmit a signal to the PC Board to activate in ON-OFF mode the fan motor so to keep between two pre-set values the condenser temperature and pressure.



START UP AND OPERATIONAL CHECKS

On PC Board the LED energized are:

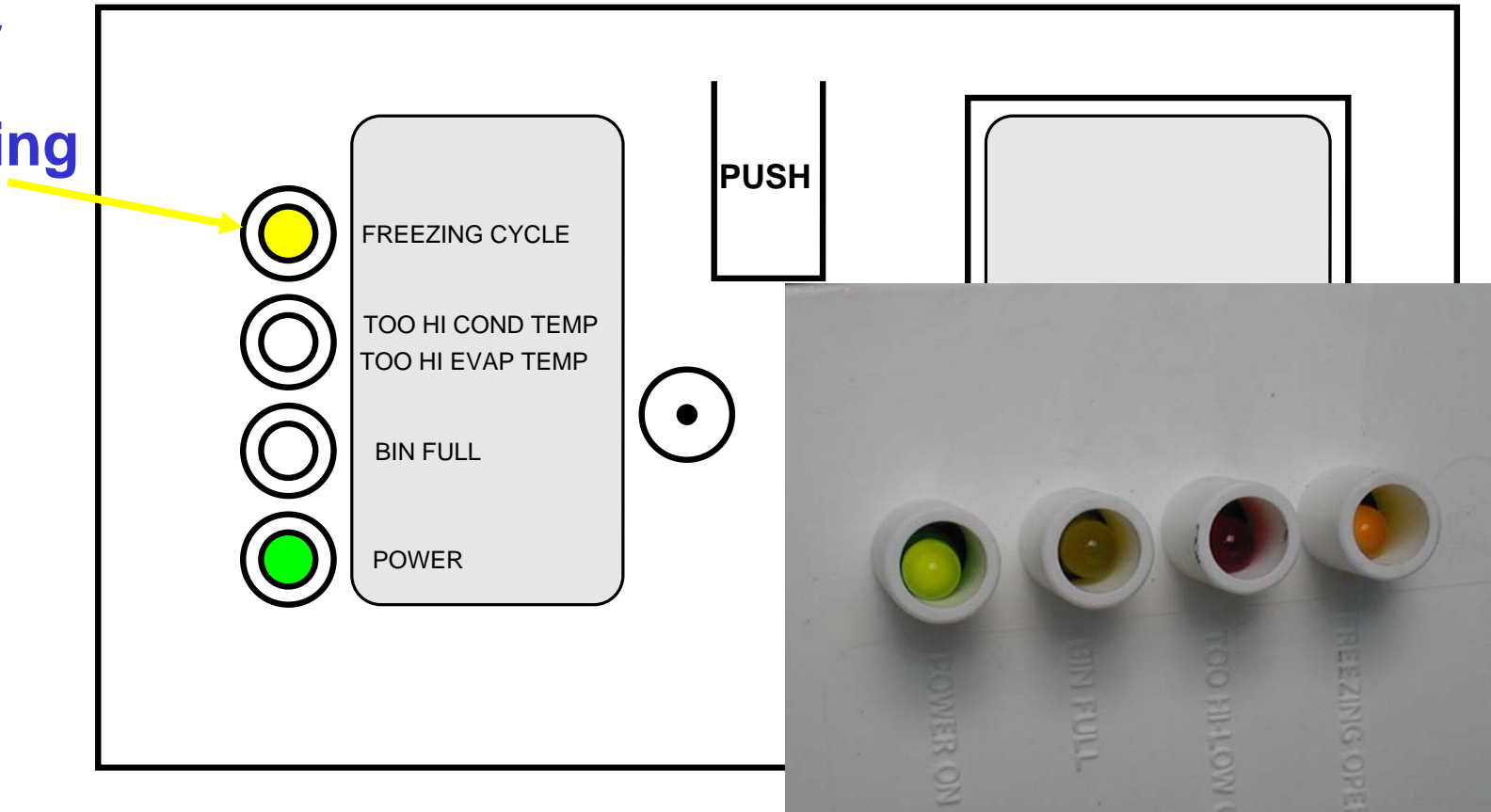
- **Power**



START UP AND OPERATIONAL CHECKS

On PC Board the LED energized are:

- Power
- Freezing





NEW AC SERIES

START UP AND OPERATIONAL CHECKS

Water is circulating by the water pump into the inverted tin plated copper molds of the evaporator....



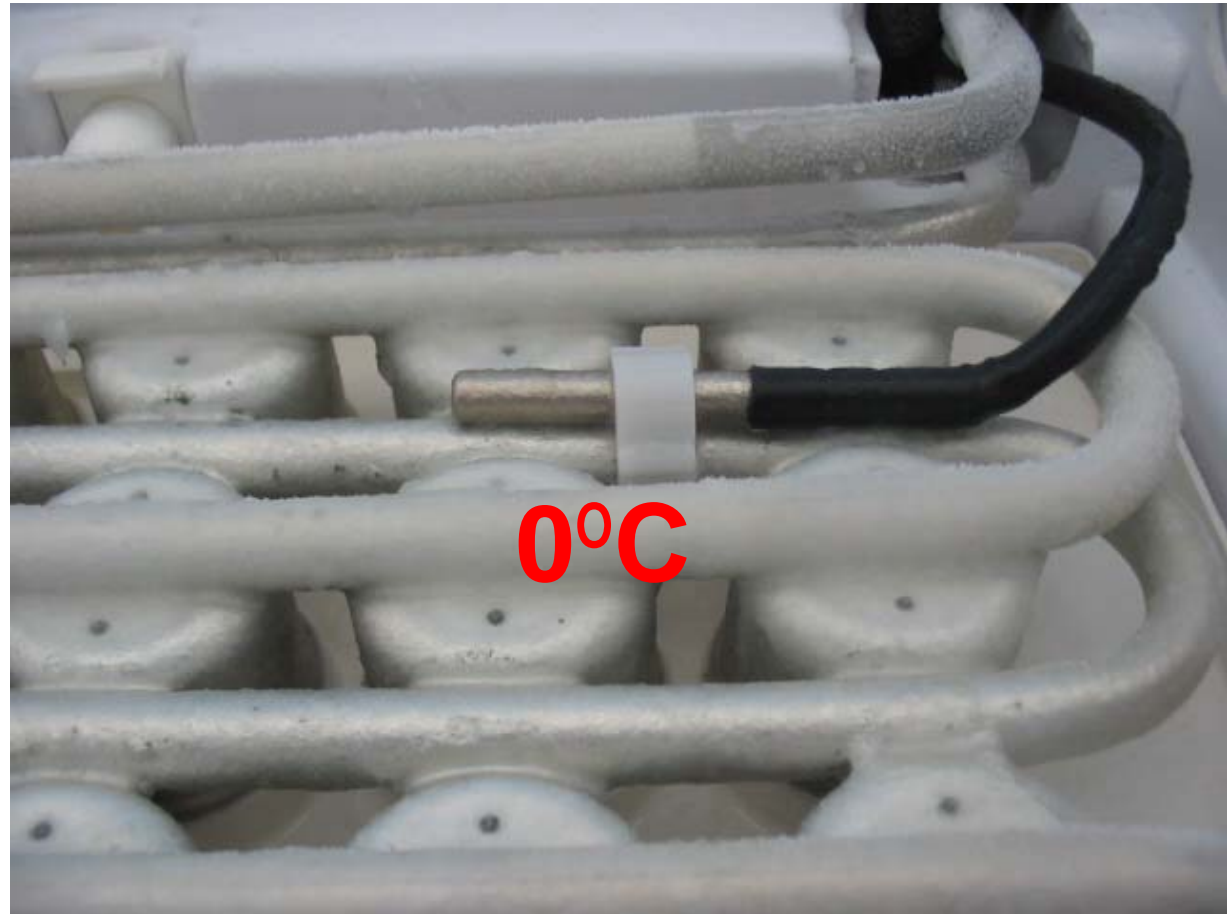
START UP AND OPERATIONAL CHECKS

....while the refrigerant is flowing into the serpentine welded on the upper side of the tin plated copper molds.



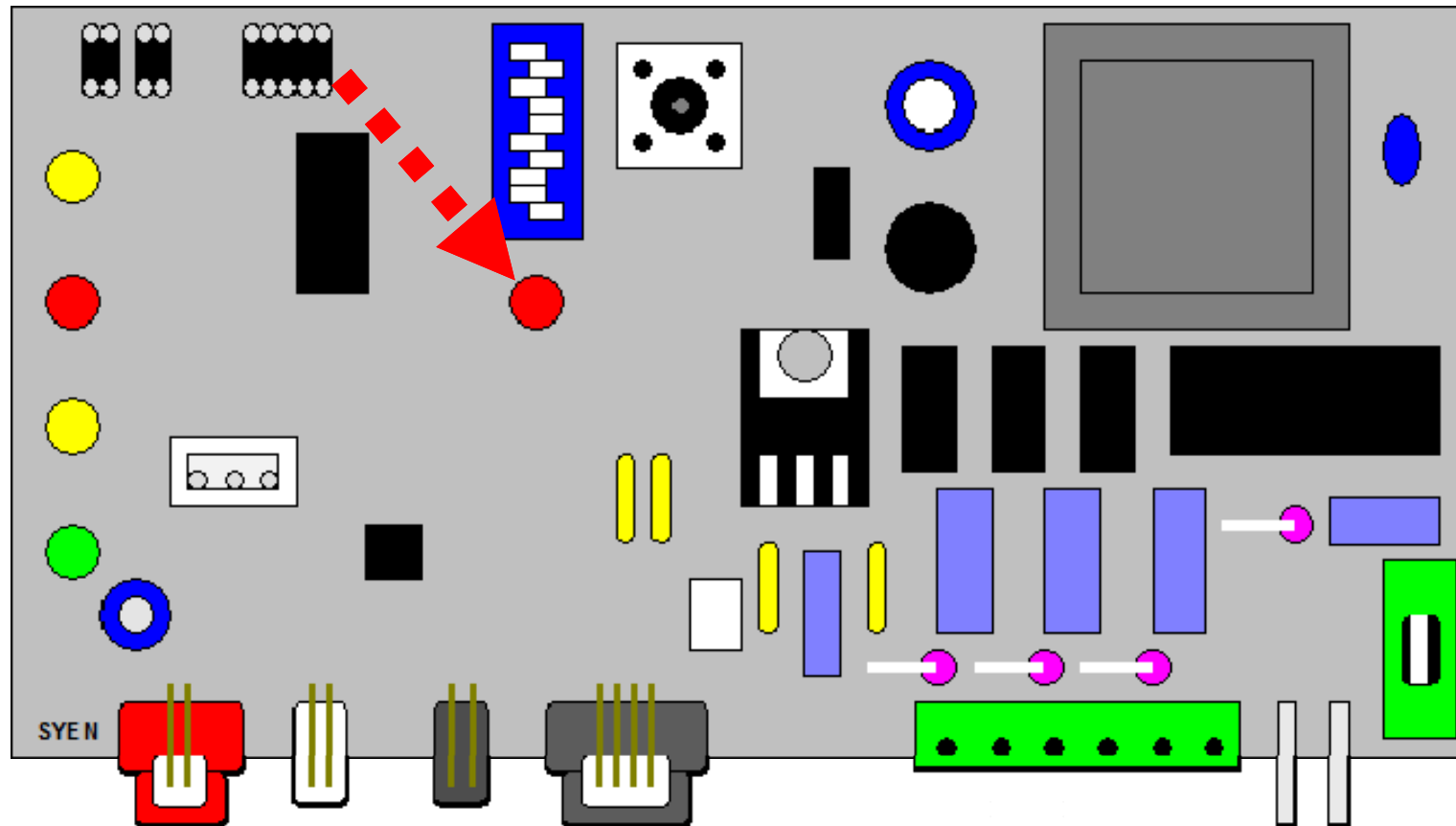
START UP AND OPERATIONAL CHECKS

After approximately 5 minutes since the start up of the freezing cycle, the temperature of the evaporator serpentine drops down to 0°C....



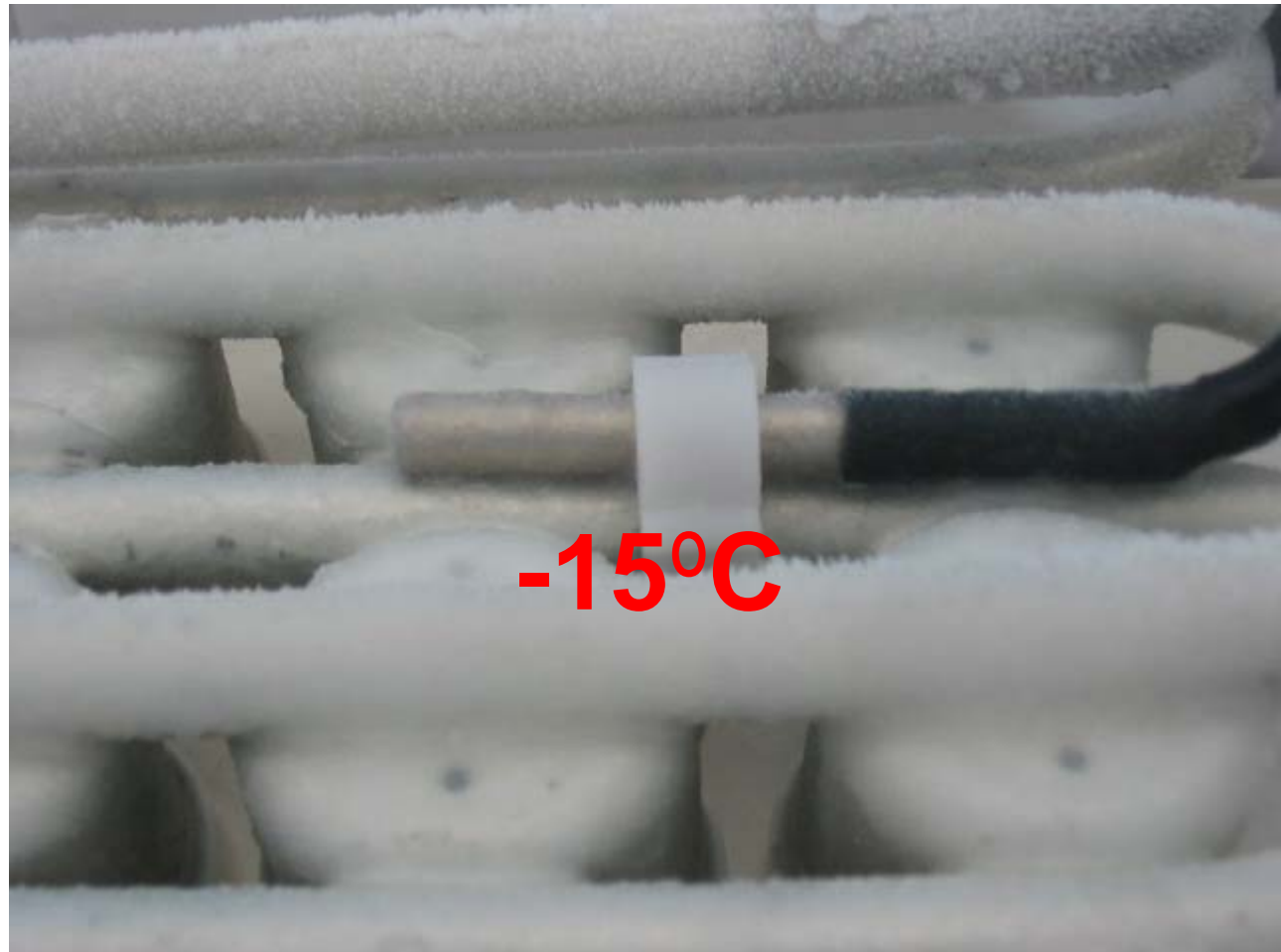
START UP AND OPERATIONAL CHECKS

....with the blinking of the small RED LED located in the center of PC Board.



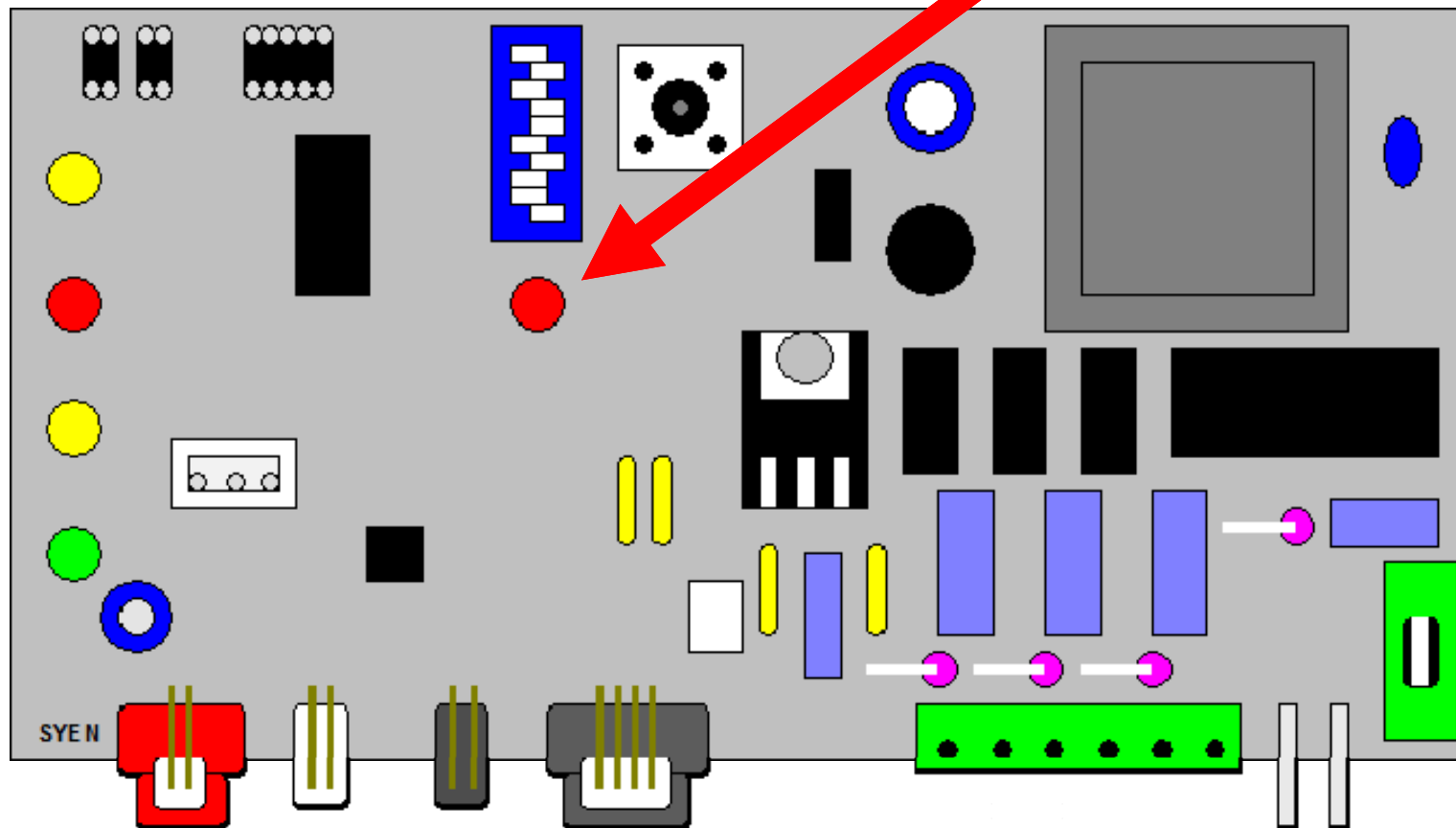
START UP AND OPERATIONAL CHECKS

After approximately 10 minutes from the start up of the freezing cycle, the temperature of the evaporator serpentine drops down to - 15°C....



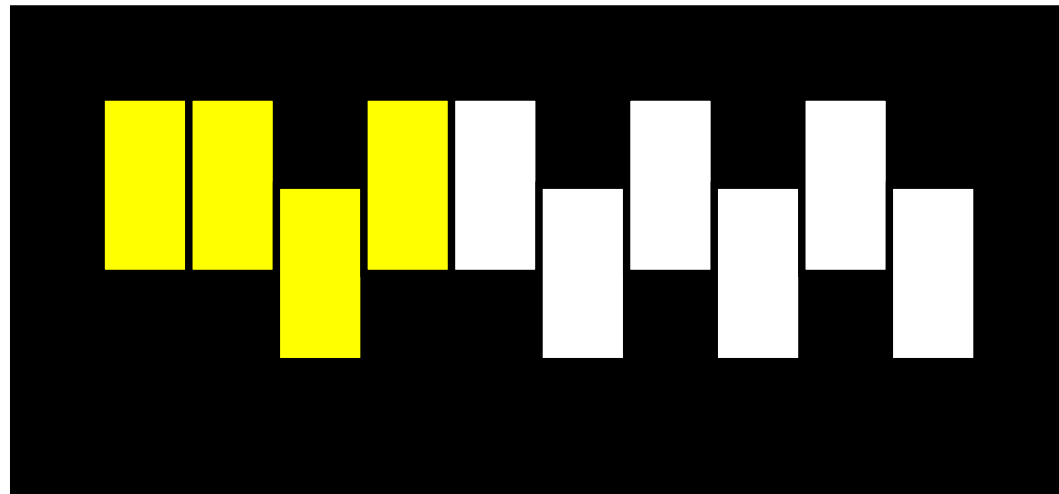
START UP AND OPERATIONAL CHECKS

....with the light ON steady of the small RED LED located in the center of PC Board.



START UP AND OPERATIONAL CHECKS

The machine remains in the freezing cycle till its completion for an additional time according to the set up of the first four DIP SWITCH of the PC Board.



START UP AND OPERATIONAL CHECKS

Once completed the freezing cycle the machine enters into the defrost or harvest cycle with the following electrical components in operation:

- **Compressor**

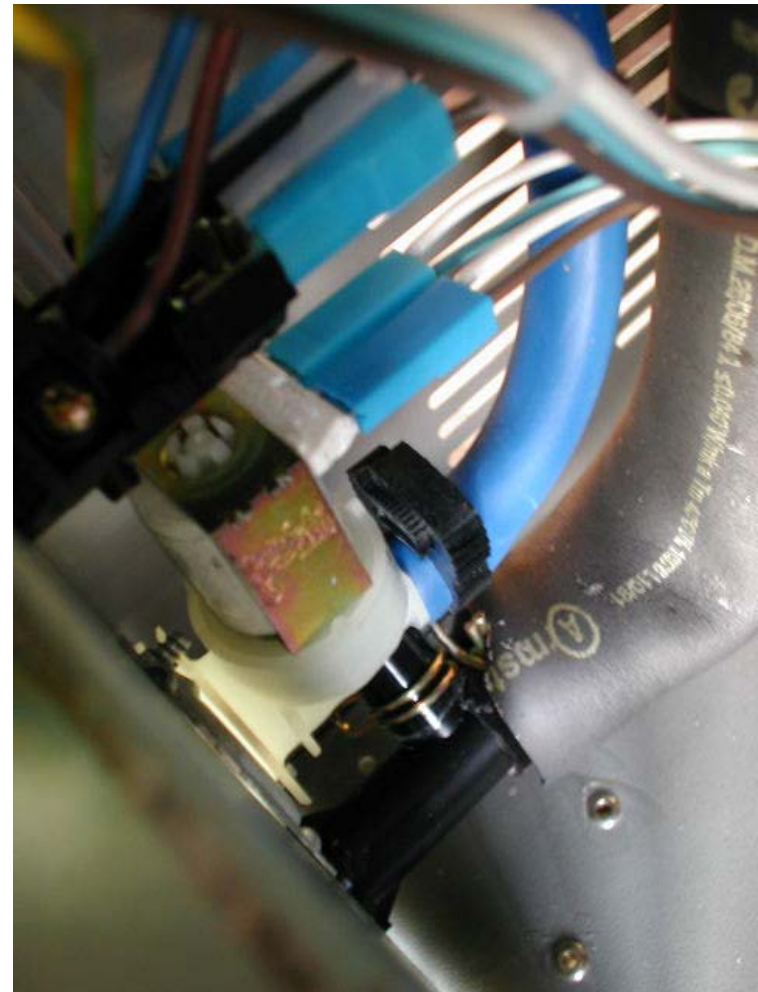




NEW AC SERIES

START UP AND OPERATIONAL CHECKS

- Water Inlet Solenoid valve





NEW AC SERIES

START UP AND OPERATIONAL CHECKS

- Water Drain/Purge Solenoid Valve
(Not Used on AC 106)



Scotsman[®]
Ice Systems

NEW AC SERIES

START UP AND OPERATIONAL CHECKS

- **Hot Gas Valve**



START UP AND OPERATIONAL CHECKS

According to the setting of the
DIP SWITCH no 9 the Water
Pump can remain in operation
to discharge the water not
used on the previous freezing
cycle during the first....



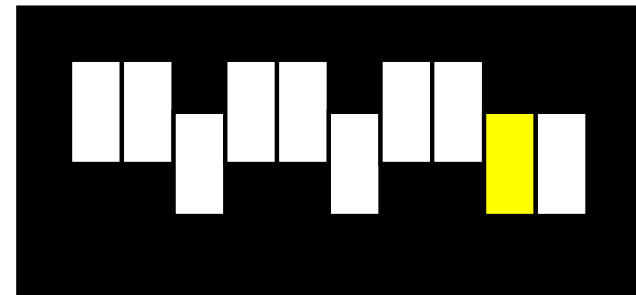
START UP AND OPERATIONAL CHECKS

....15" of the
harvest cycle,
when the DIP
SWITCH is in
OFF position, or
30" when in ON
position.

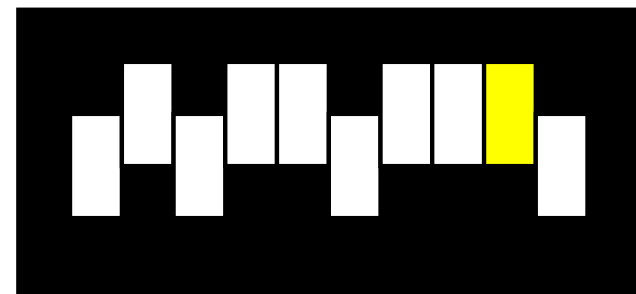
OFF = 15 seconds

ON = 30 seconds

AC 126-176

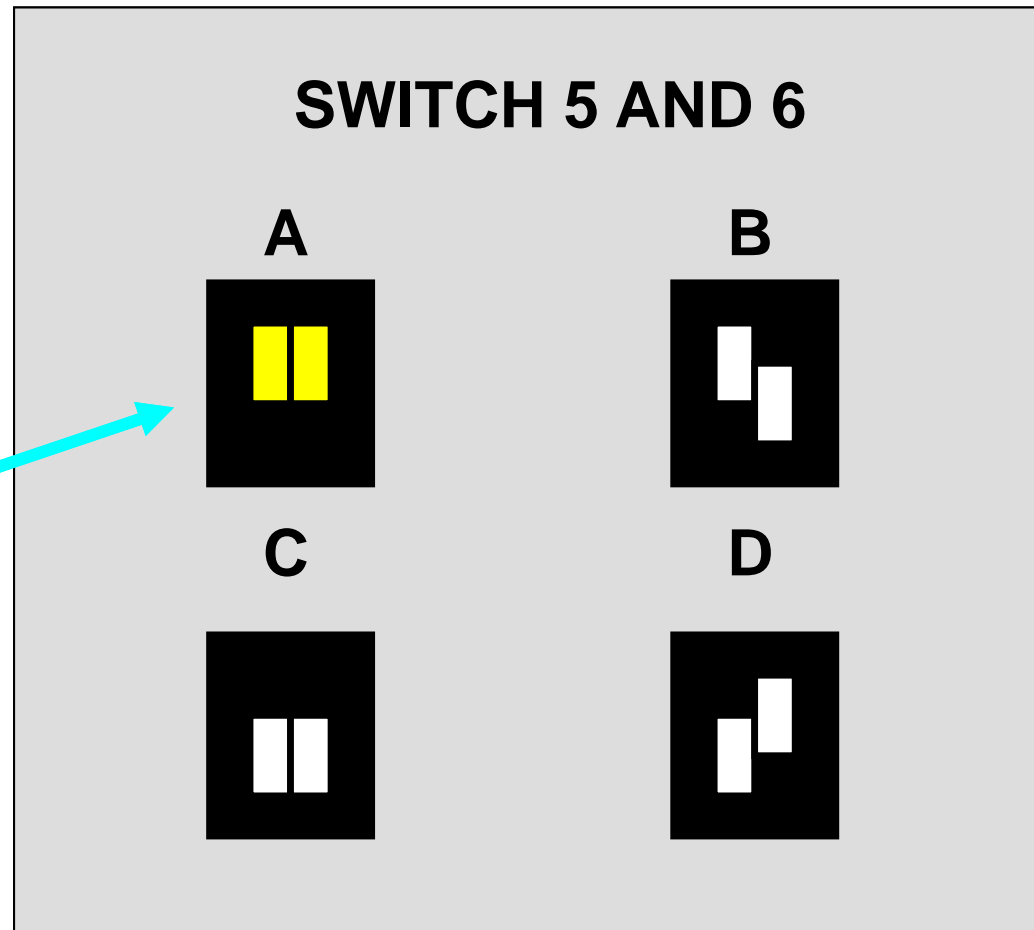


AC 206-226



START UP AND OPERATIONAL CHECKS

The length of the defrost or harvest cycle is controlled by the PC Board according to the setting of the DIP SWITCH 5 and 6 and it is related to



START UP AND OPERATIONAL CHECKS

.....the time that the machine takes to drop the evaporating temperature from 0°C to -15°C (time T₂) as shown on the table.

LENGTH OF HARVEST CYCLE ACCORDING TO THE TIME TO DROP THE EVAP. TEMPERATURE FROM 0°C TO -13°C

LENGTH HARVEST CYCLE	PROGRAMS			
	A	B	C	D
180"	Up to 6'	***	Up to 9'	***
165"	6'-7'	Up to 3'	9'-10'	***
150"	7'-8'	3'-3'15'	10'-11'	***
135"	8'-9'	3'15"-3'30"	11'-12'	***
120"	9'-10'	3'30"-4'30"	12'-13'	Up to 3'
105"	10'-12'	4'30"-6'	13'-15'	3-4'
90"	>12'	>6'	>15'	>4'



NEW AC SERIES

START UP AND OPERATIONAL CHECKS

It's possible to extend the length of the defrost cycle by means of the DIP SWITCH 7 and 8 as per below chart.

DIP SWITCH		ADDITIONAL DEFROST TIME
7	8	
ON	ON	0
OFF	ON	30"
ON	OFF	60"
OFF	OFF	WATER PUMP OFF



NEW AC SERIES

START UP AND OPERATIONAL CHECKS

During the defrost or harvest cycle the combined action of refrigerant in Hot Gas state and incoming Water are going to partially melt the ice cubes in contact with the tin plated copper molts with the dropping down of the same through the curtain.





NEW AC SERIES

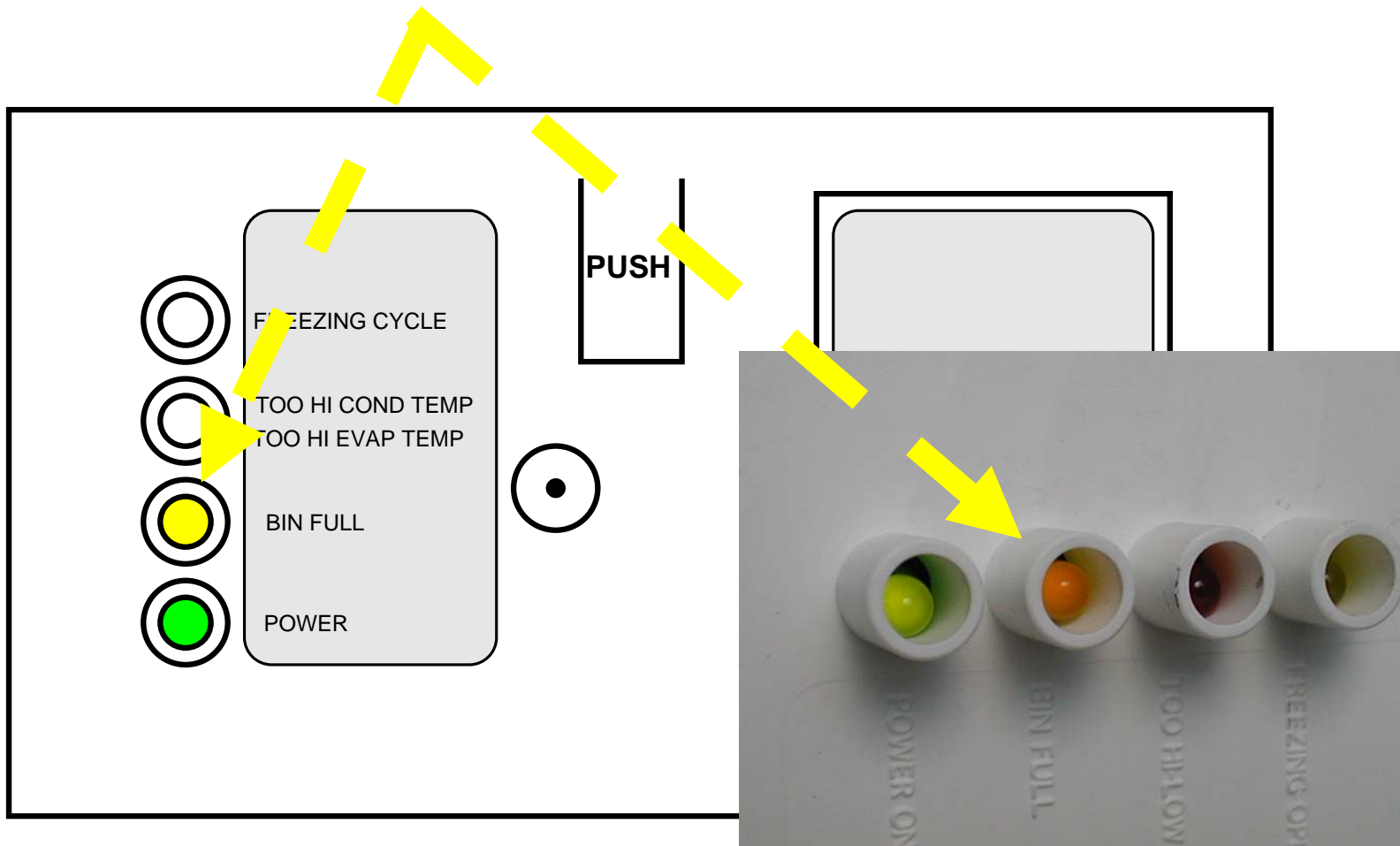
START UP AND OPERATIONAL CHECKS

With some ice cubes between the I/R Optical Ice Level Sensor during the defrost cycle it is possible to test its operation.



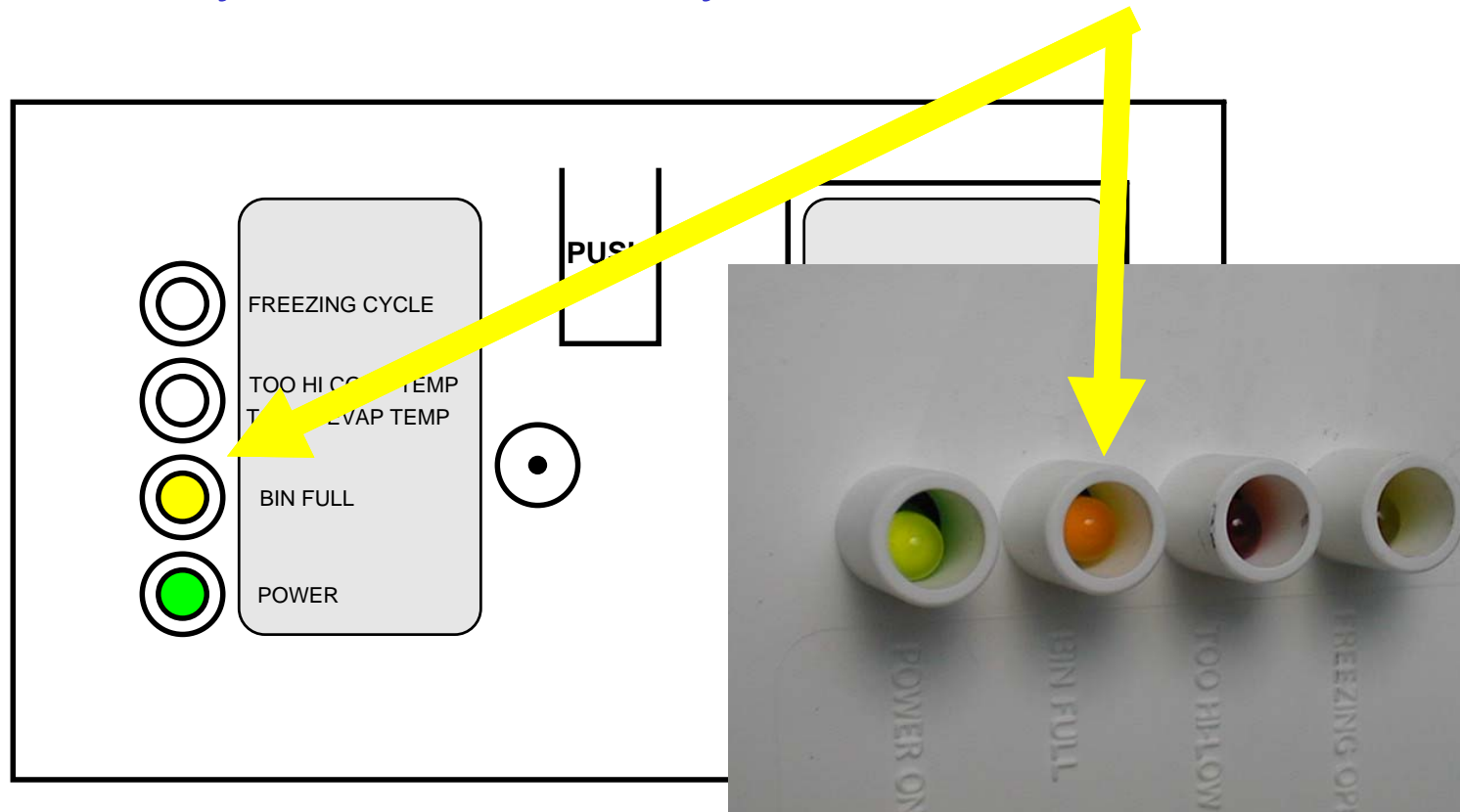
START UP AND OPERATIONAL CHECKS

The Bin Full YELLOW LED starts to blink slow.



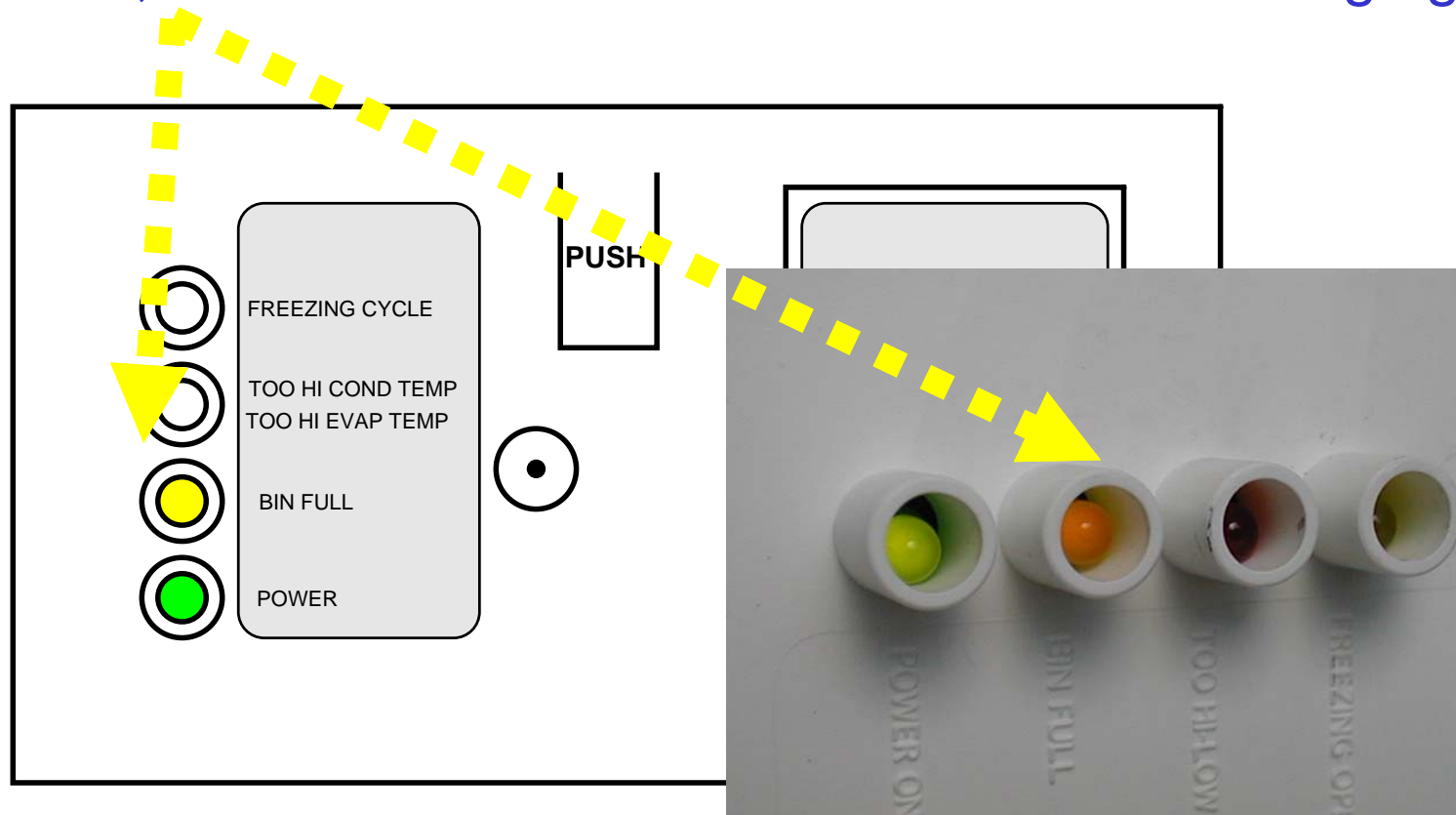
START UP AND OPERATIONAL CHECKS

Till the end of the next freezing cycle in order to release full ice cubes at every time; after that the machine will stop at bin full condition with the yellow LED steady ON



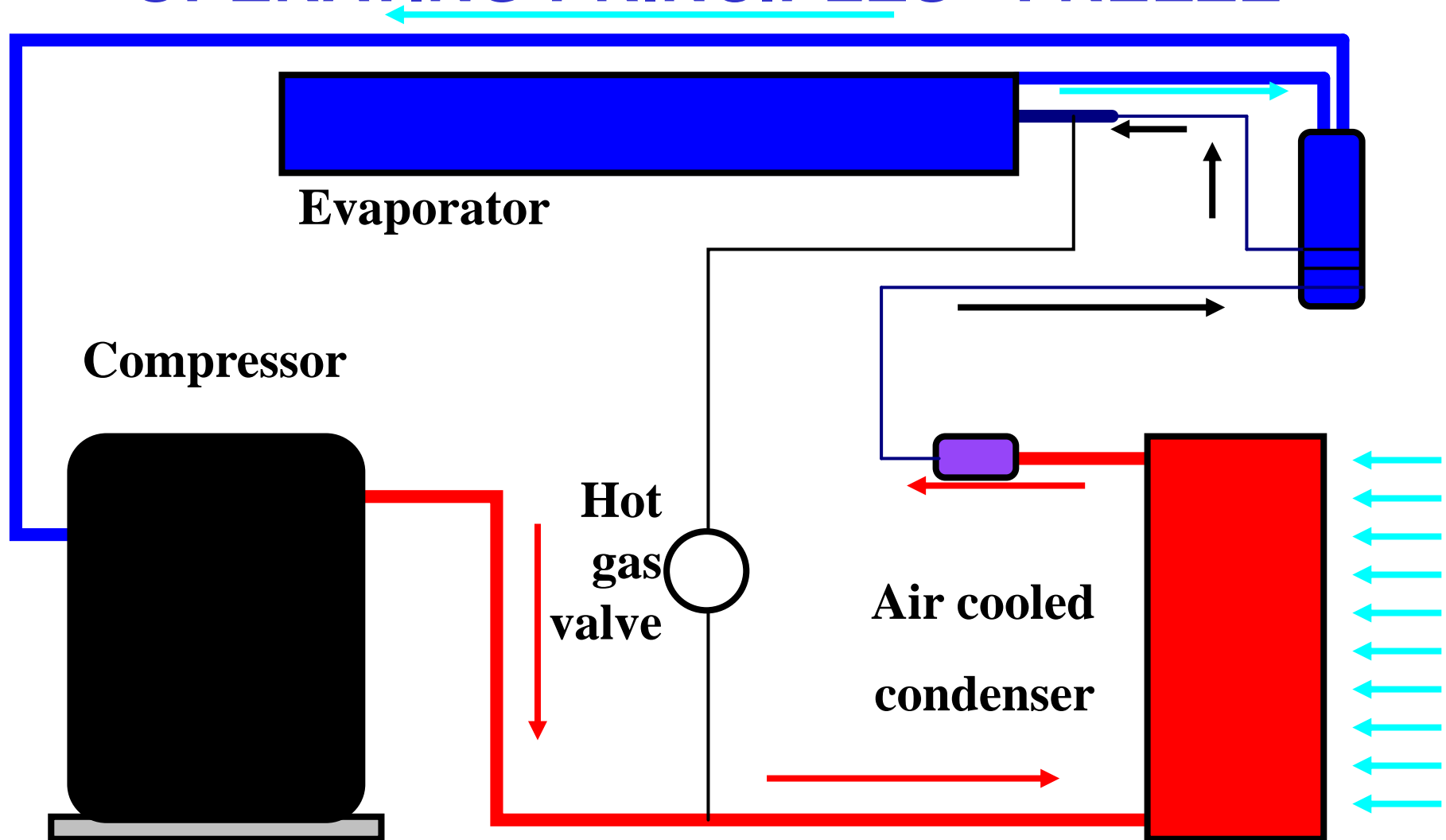
START UP AND OPERATIONAL CHECKS

As soon as the ice is removed between transmitter and received the infrared beam is resumed immediately with fast a blinking of the Yellow LED, then the machine restart with 45" of recharging water

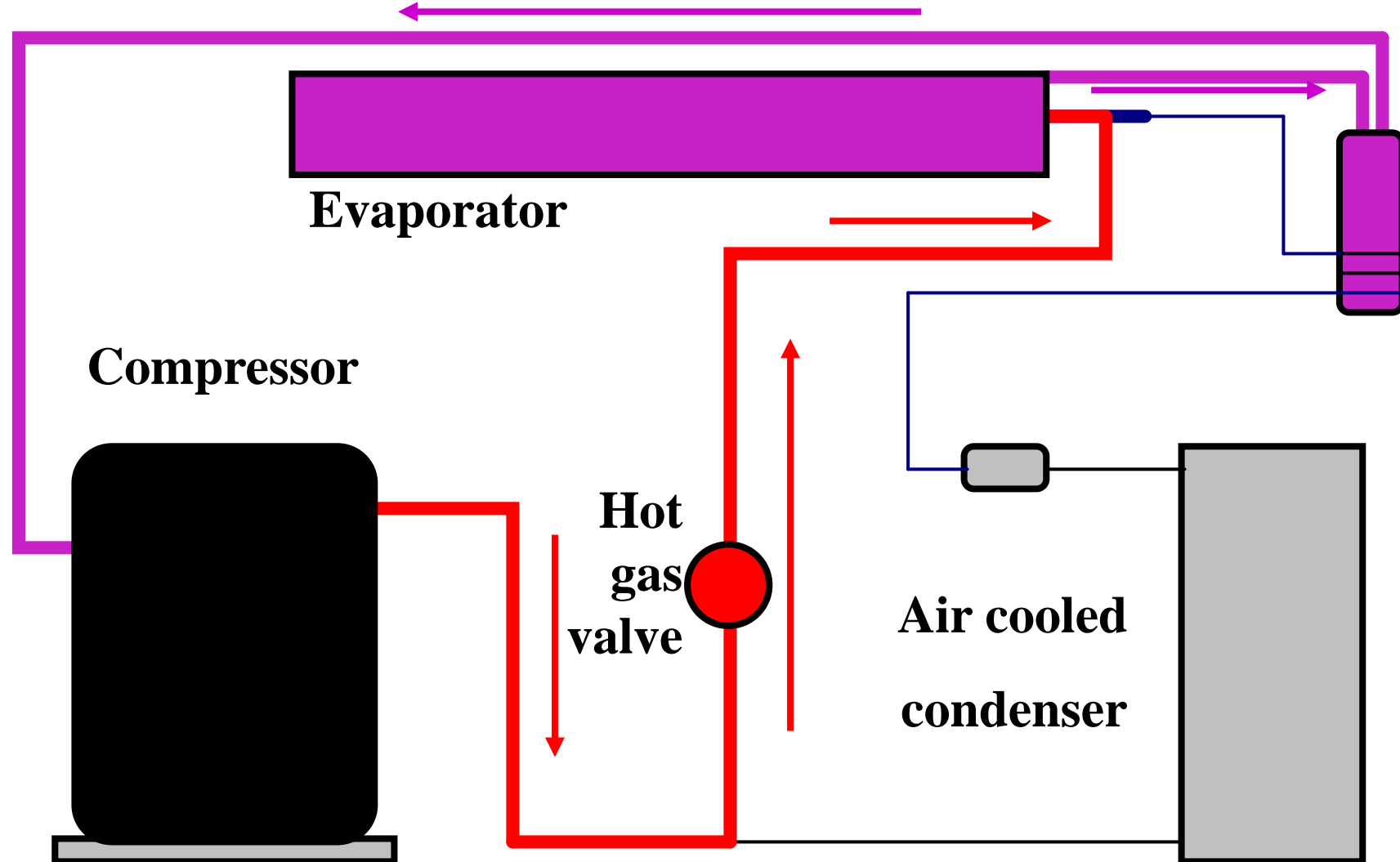


**OPERATING
PRINCIPLES
and
COMPONENTS**

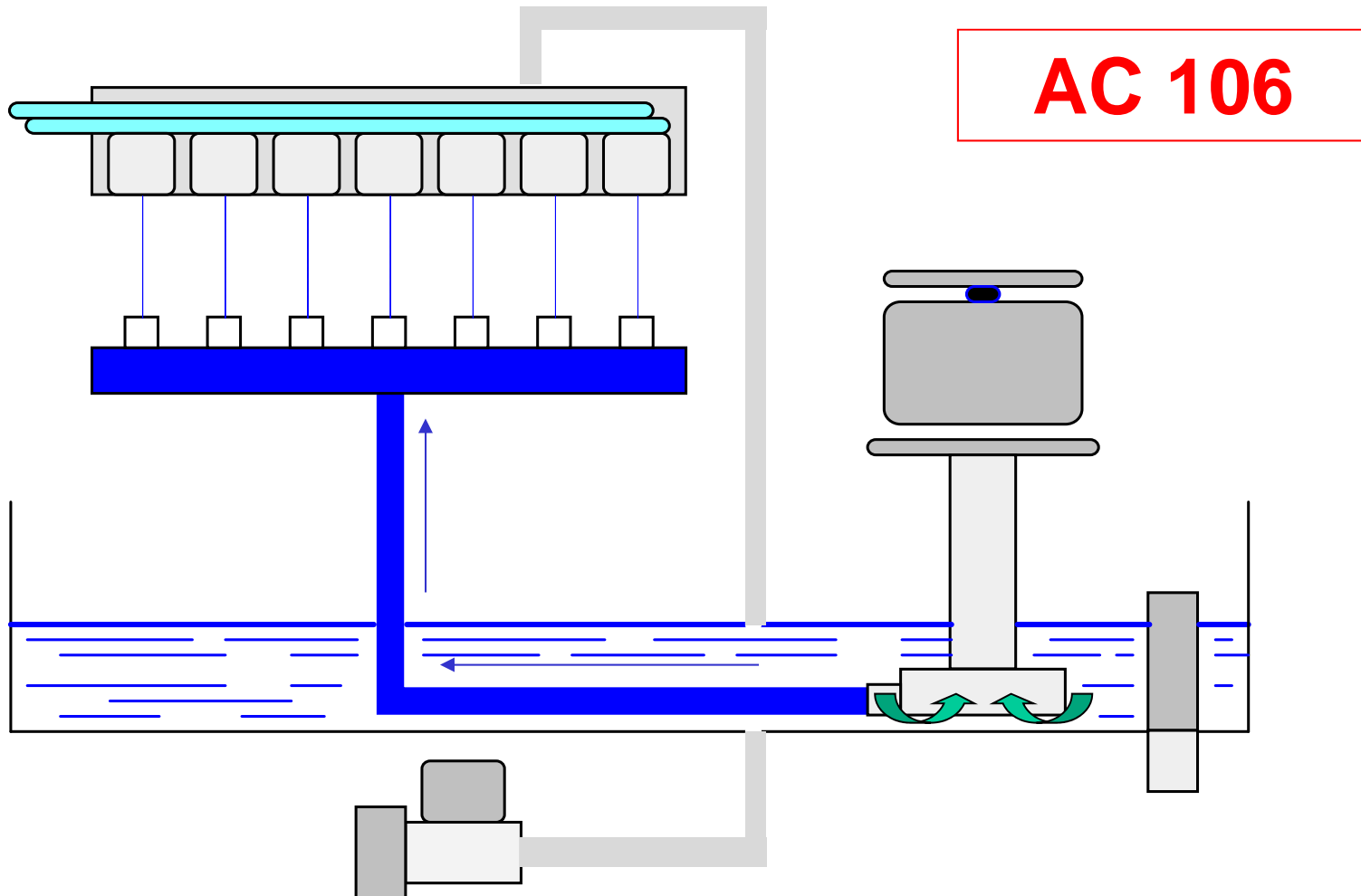
OPERATING PRINCIPLES - FREEZE



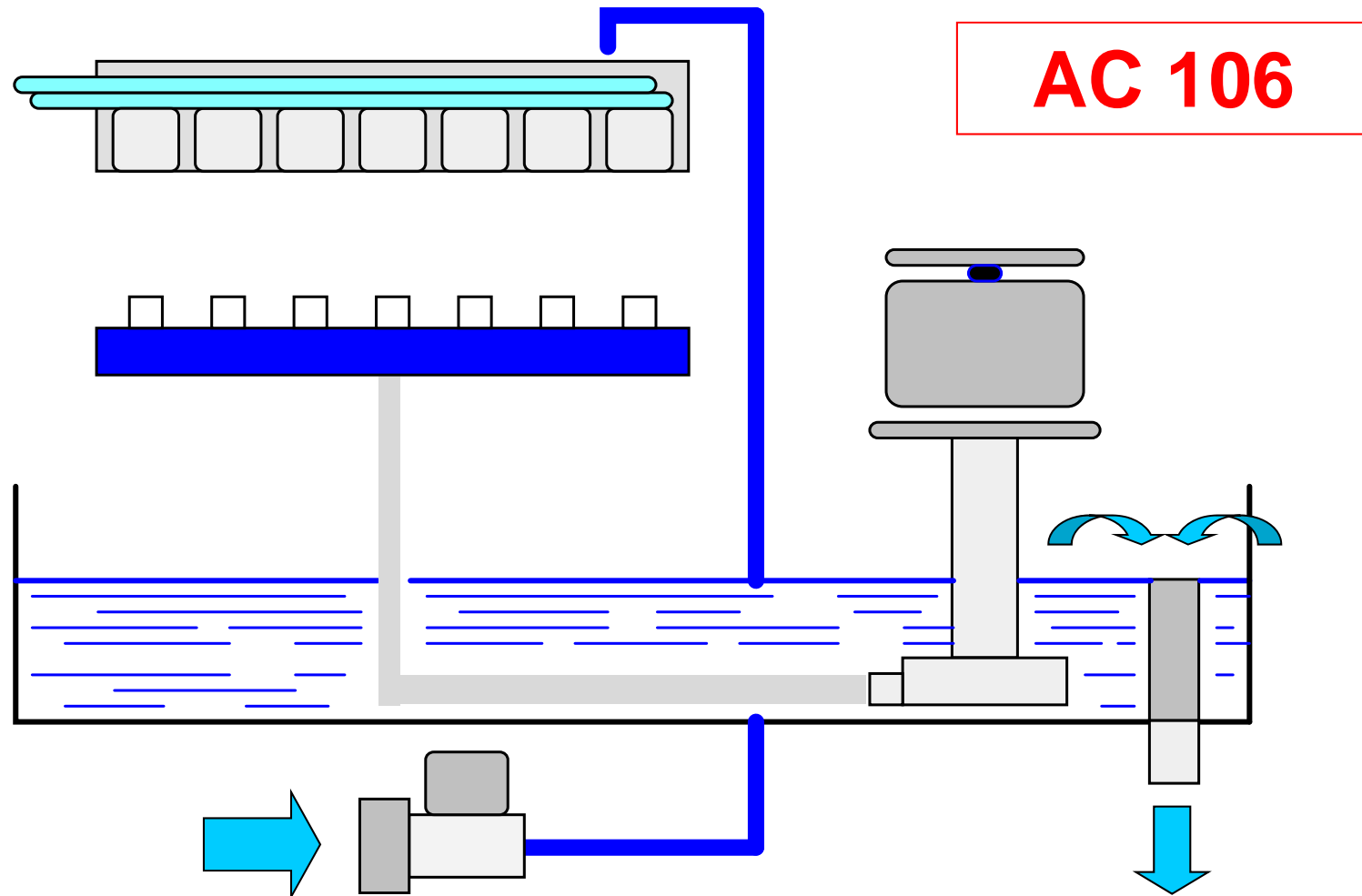
OPERATING PRINCIPLES - HARVEST



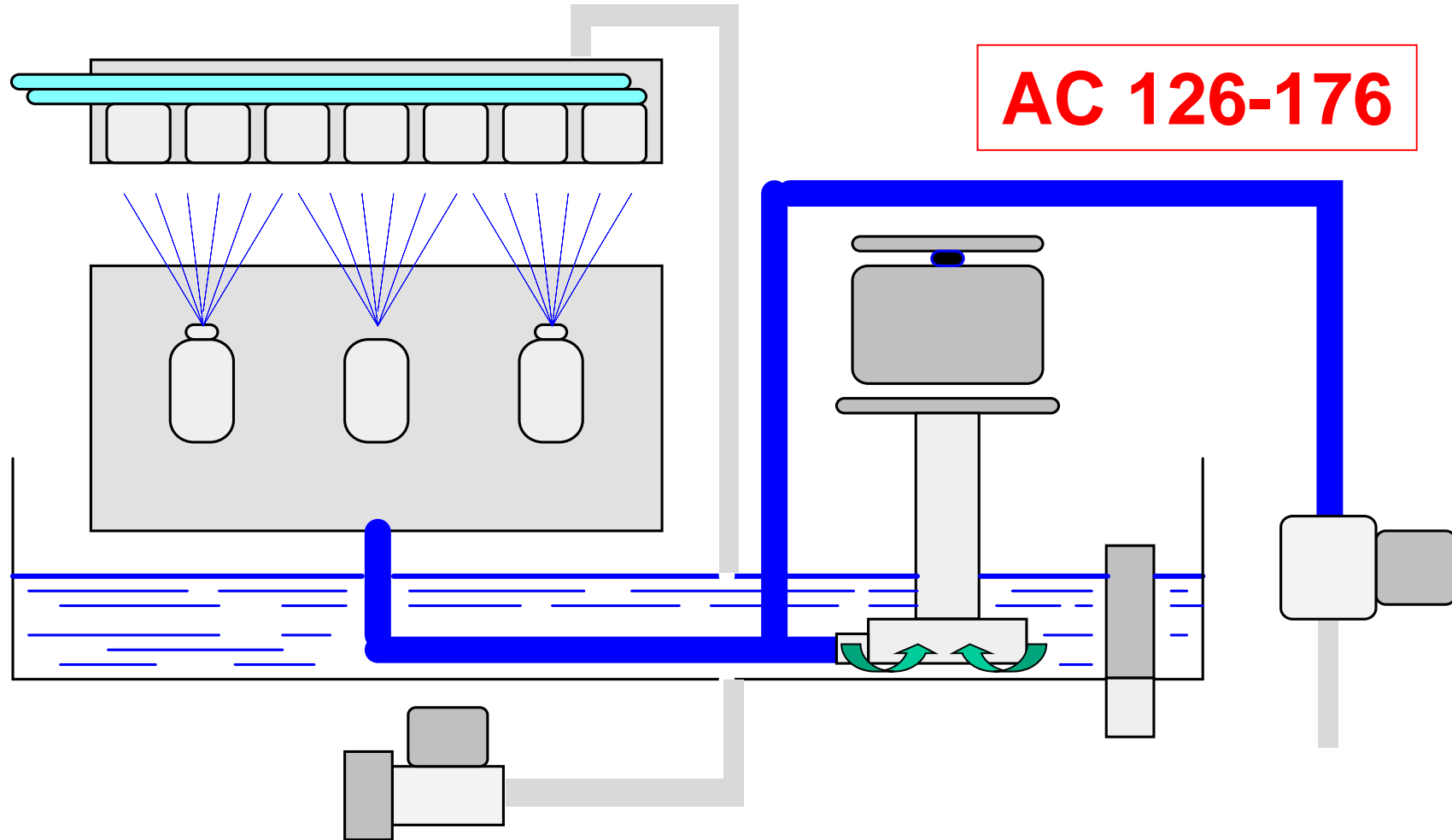
WATER SYSTEM – FREEZING CYCLE



WATER SYSTEM – HARVEST CYCLE



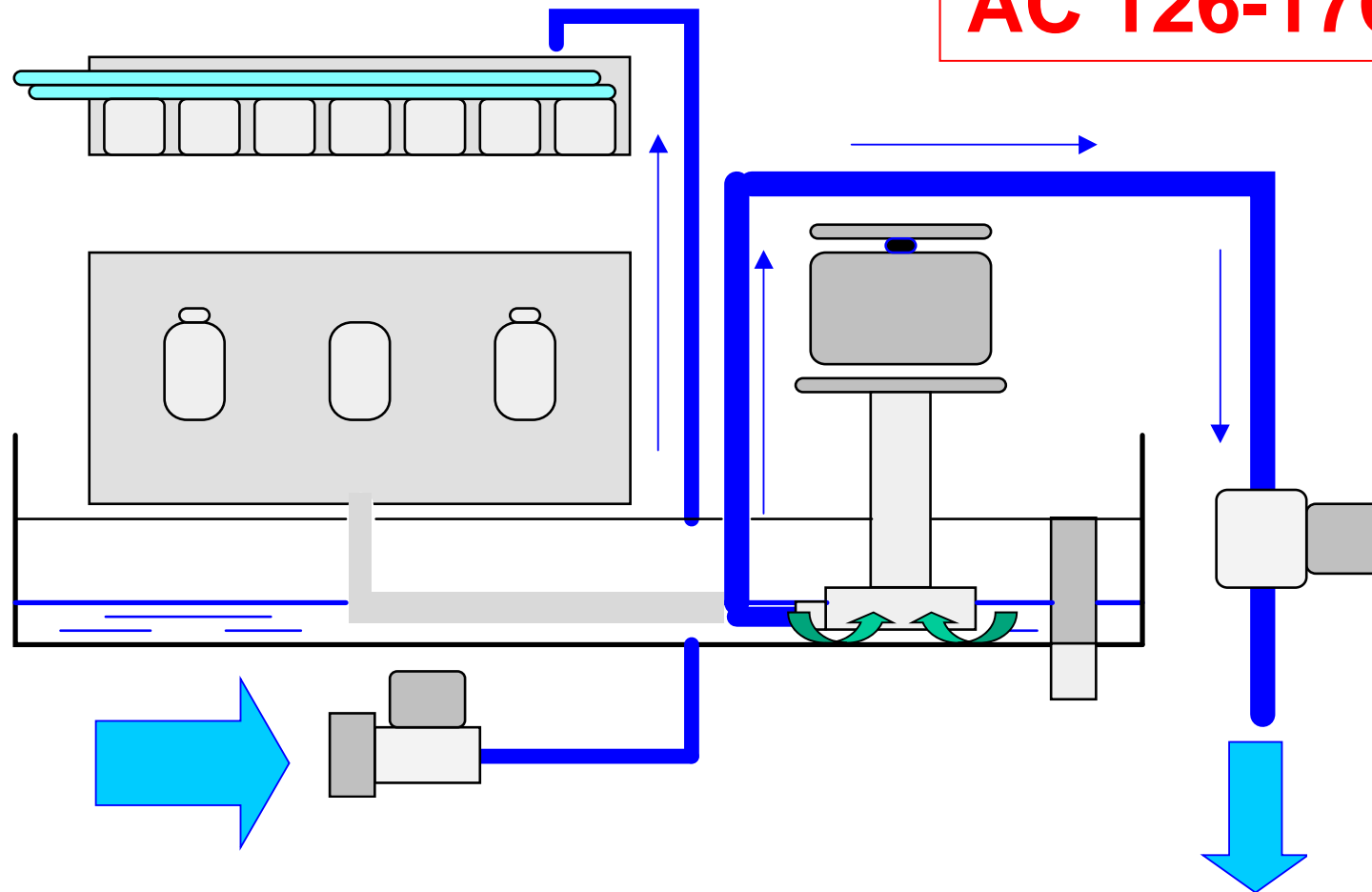
WATER SYSTEM – FREEZING CYCLE



WATER SYSTEM – HARVEST CYCLE

FIRST PORTION 15"

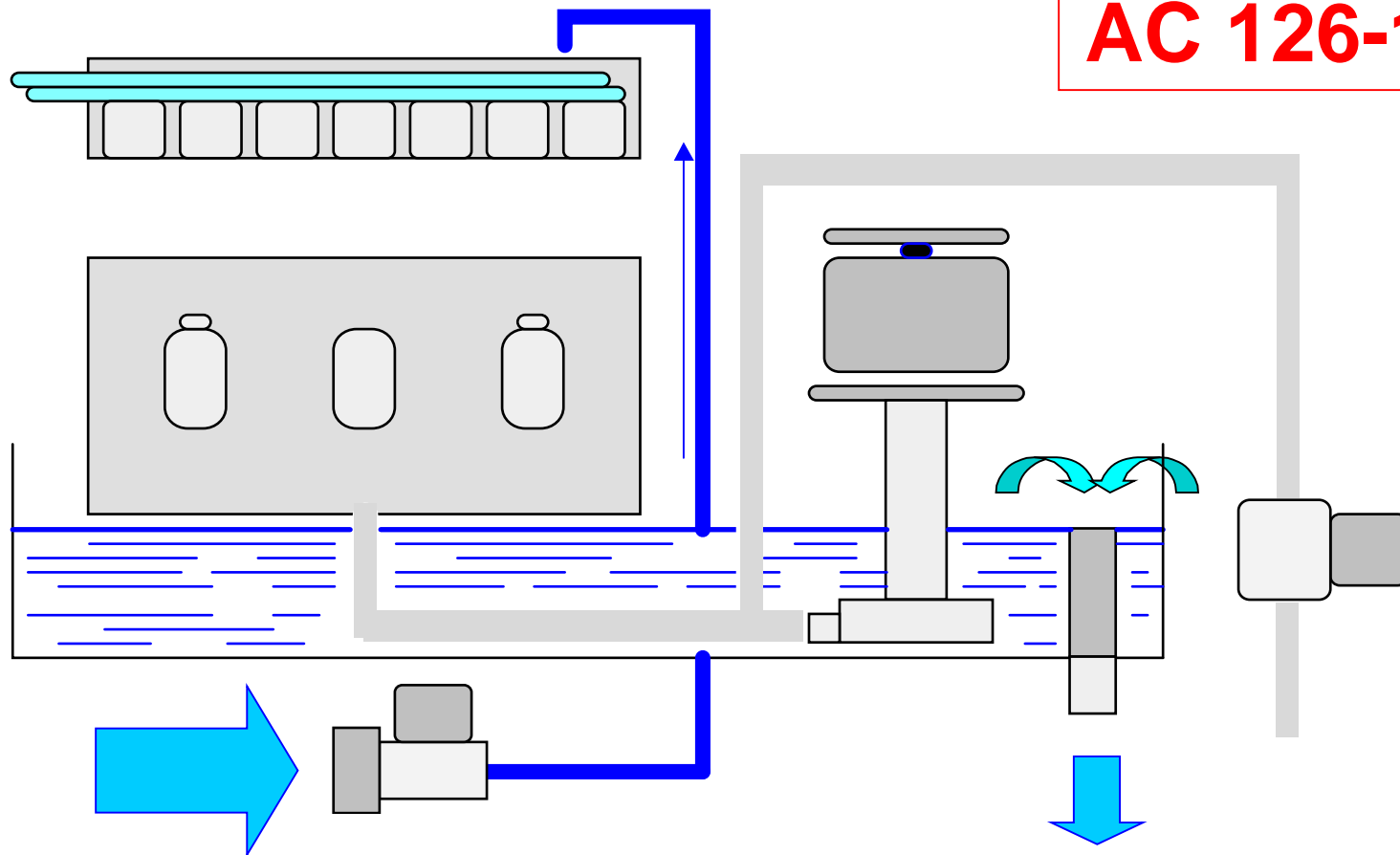
AC 126-176



WATER SYSTEM – HARVEST CYCLE

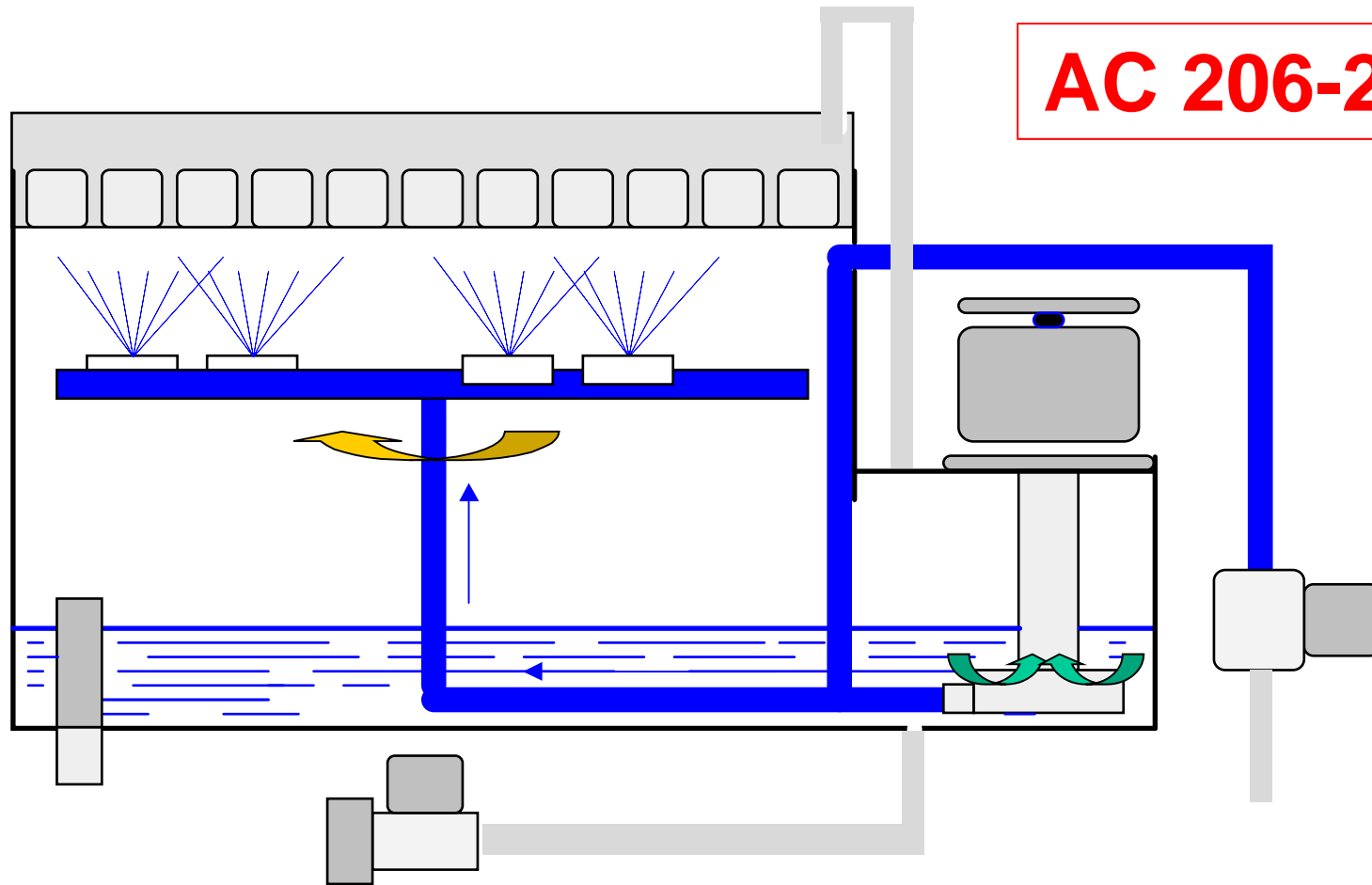
SECOND PORTION

AC 126-176



WATER SYSTEM – FREEZING CYCLE

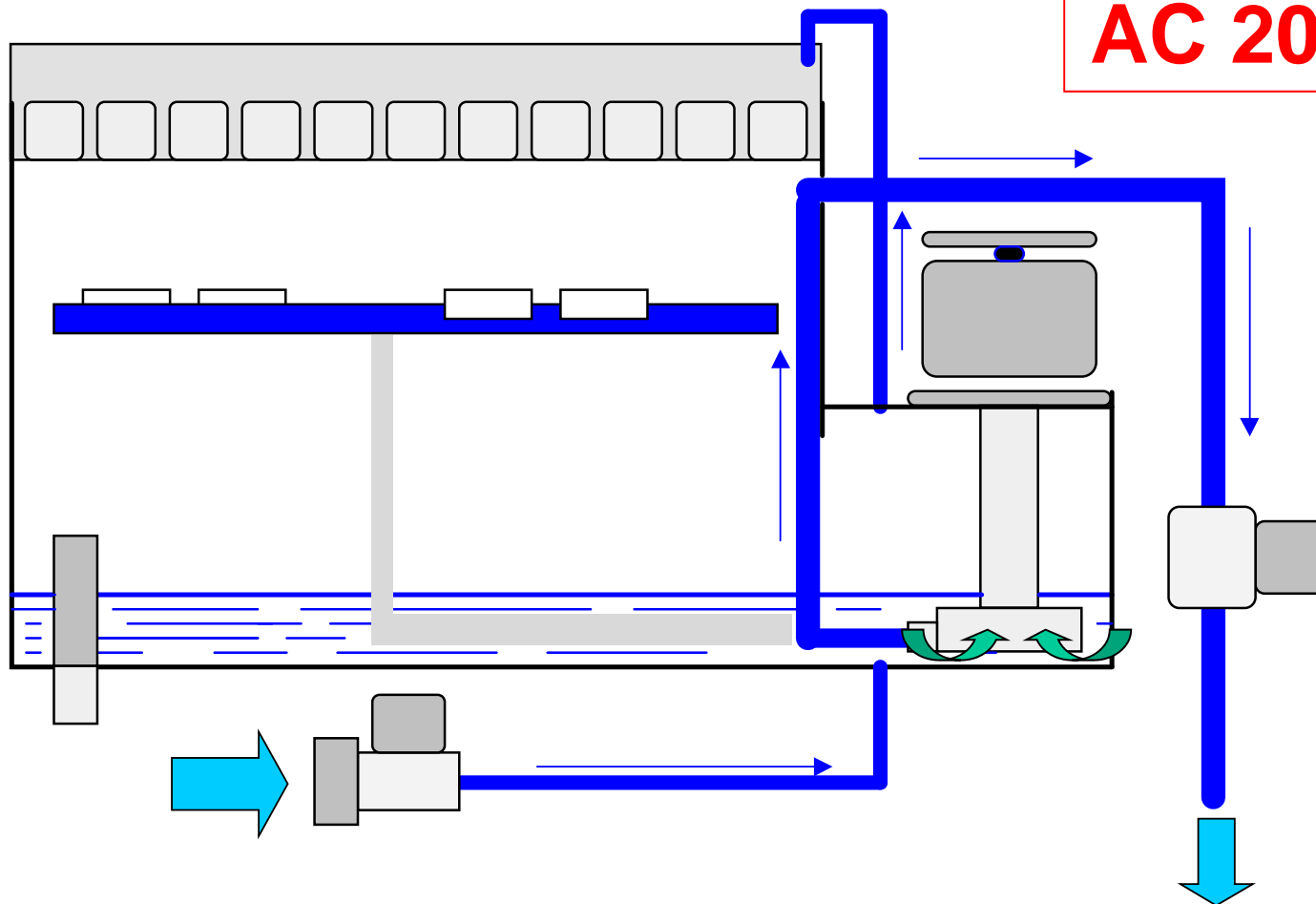
AC 206-226



WATER SYSTEM – HARVEST CYCLE

FIRST PORTION 30"

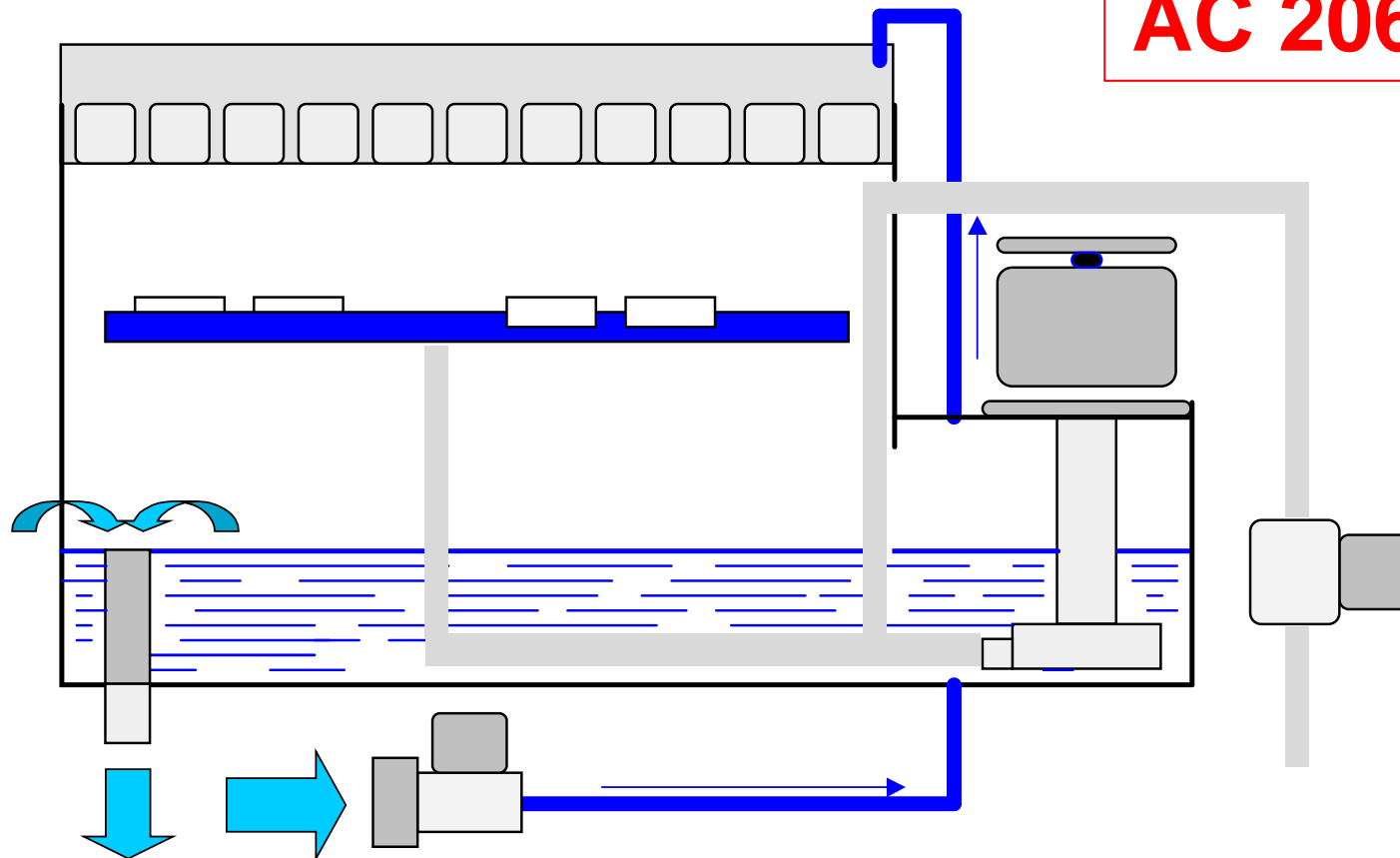
AC 206-226



WATER SYSTEM – HARVEST CYCLE

SECOND PORTION

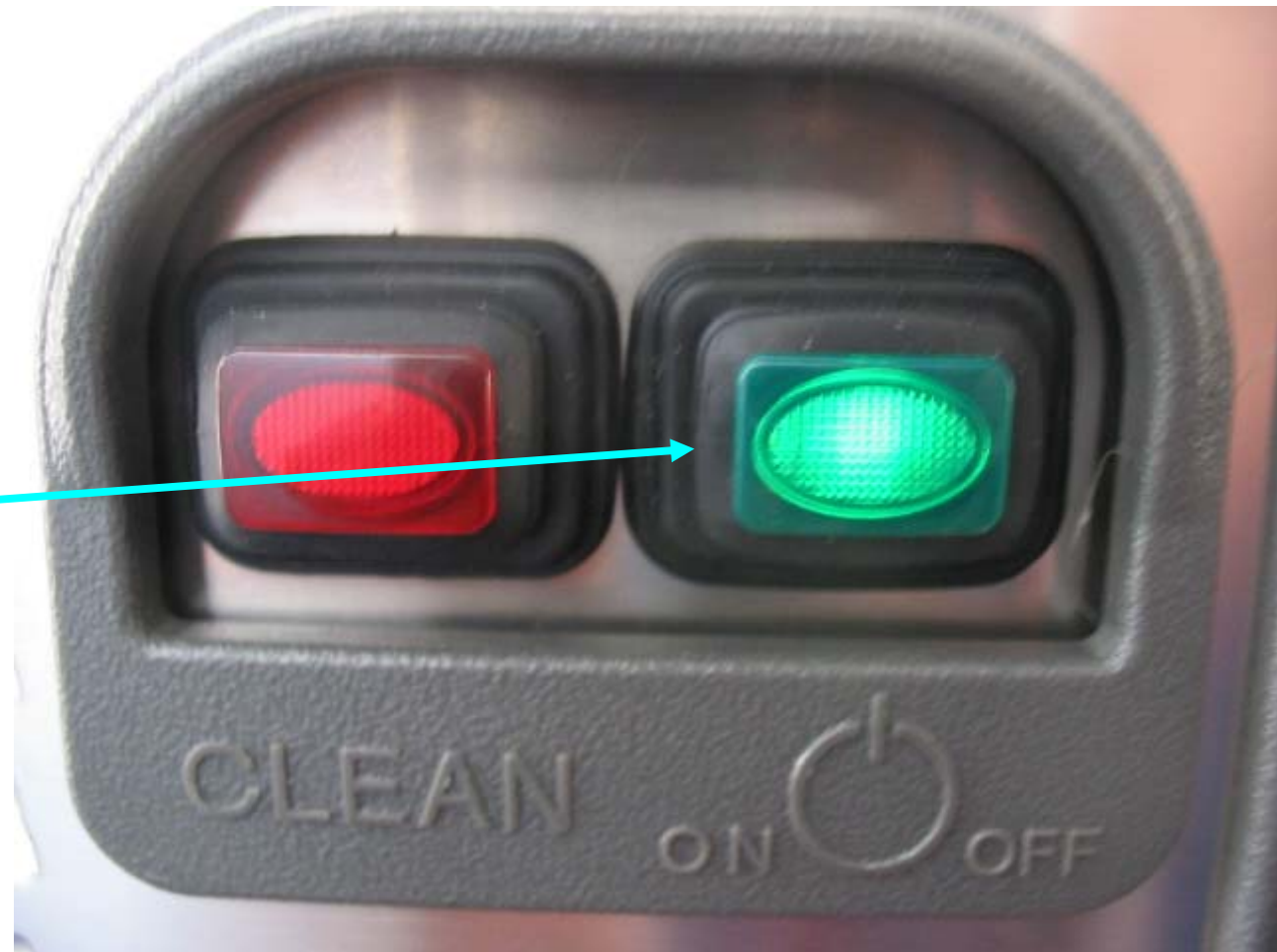
AC 206-226



OPERATING PRINCIPLES – MASTER SWITCH

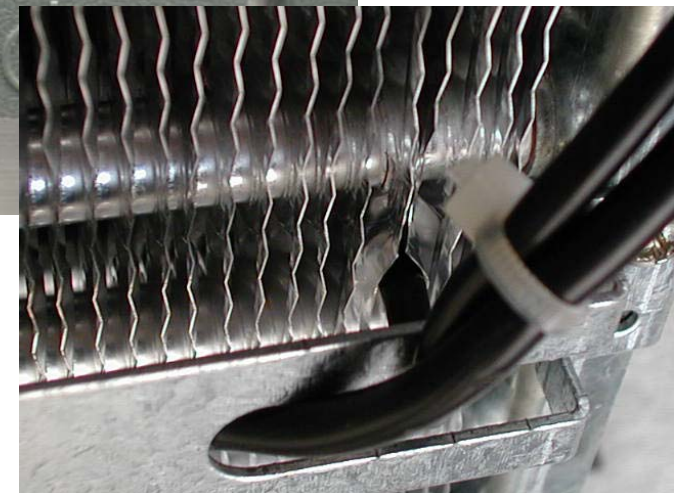
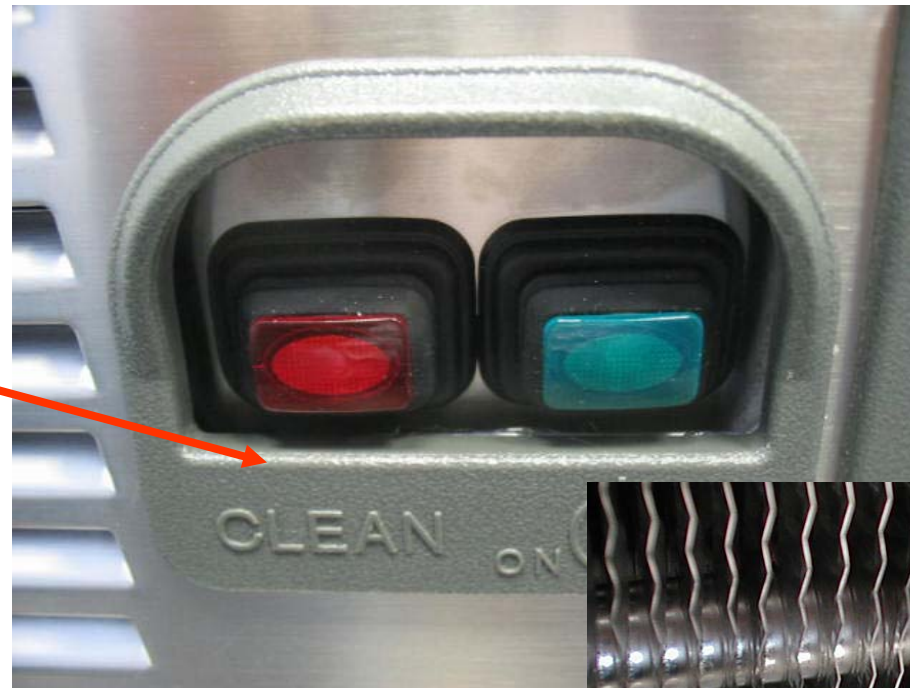
All AC units are equipped with a Green Lighted Master Push Switch located in the front panel.

By pushing it, it possible to Switch ON and OFF the machine.



OPERATING PRINCIPLES – ALARM/RESET SWITCH

Beside the Green Master Switch is located a Red Alarm Light & Reset Switch that operates in conjunction with the condenser sensor...



OPERATING PRINCIPLES – ALARM & REMIND BOARD

...has the main function to transmit, to the External Red Alarm Light, the proper signal according to the need of the machine.

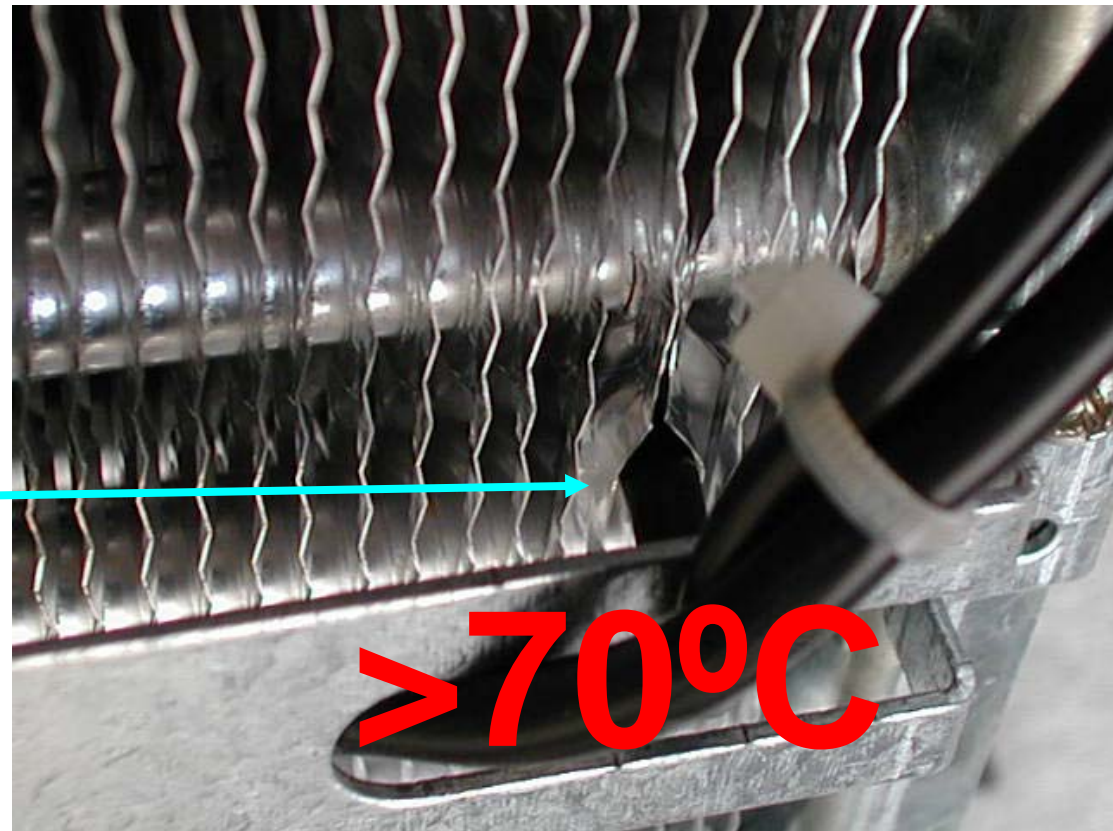


OPERATING PRINCIPLES – ALARM & REMIND BOARD

LIGHT TEMOIN LUCE	STATUS	REASON WHY SIGNIFICATION SIGNIFICATO
	ON STEADY FIXE <i>FISSO</i>	UNIT IN OPERATION MACHINE EN FONCTIONNEMENT <i>MACCHINA IN MOTO</i>
	RED LIGHT ON STEADY WITH MACHINE ON TEMOIN ROUGE FIXE AVEC MACHINE EN FONCTIONNEMENT <i>LUCE ROSSA FISSA CON MACCHINA IN FUNZIONE</i>	CONDENSING TEMP. > 60°C - CLEAN AIR FILTER TEMP. DU CONDENSEUR > 60°C - NETTOYER LE FILTRE <i>TEMP. CONDENSATORE > 60°C - PULIRE IL FILTRO</i>
	RED LIGHT ON STEADY WITH MACHINE OFF TEMOIN ROUGE FIXE AVEC MACHINE A L'ARRET <i>LUCE ROSSA FISSA CON MACCHINA FERMA</i>	CONDENSING TEMP. > 70°C TEMP. DU CONDENSEUR > 70°C <i>TEMP. CONDENSATORE > 70°C</i>
	BLINKING SLOW WITH MACHINE ON CLIGNOTANT LENT AVEC MACHINE EN FONCTIONNEMENT <i>LAMPEGGIANTE LENTO CON MACCHINA IN FUNZIONE</i>	WATER SYSTEM NEED TO BE CLEANED CIRCUIT HYDRAULIQUE A NETTOYER <i>PULIRE IL CIRCUITO IDRICO</i>
	BLINKING TWICE AND REPEAT WITH MACHINE OFF CLIGNOTANT DEUX FOIS ET REPETE AVEC MACHINE A L'ARRET <i>LAMPEGGIANTE A DUE IMPULSI CON MACCHINA FERMA</i>	CONDENSER SENSOR OUT OF ORDER SONDE CONDENSEUR HS <i>SONDA CONDENSATORE MALFUNZIONANTE</i>
	BLINKING FAST WITH MACHINE OFF CLIGNOTANT RAPIDE AVEC MACHINE A L'ARRET <i>LAMPEGGIANTE VELOCE CON MACCHINA FERMA</i>	PROBLEMS IN PUMPING OUT WATER (EC SERIES ONLY) PROBLEMES AVEC EVACUATION EAU (SEUL MODELES EC) <i>PROBLEMI DI SCARICO ACQUA (SOLO MODELLI SERIE EC)</i>
	PUSH AND HOLD THE RED LIGHTED SWITCH FOR MORE THEN 20" TO RESTART THE CLEANING REMIND COUNTDOWN APPUYER SUR LE BOUTON ROUGE 20 Secondes POUR REINITIALISER L'ALARME JUSQU'AU PROCHAIN DETARTRAGE <i>PREMERE IL PULSANTE ROSSO PER PIU' DI 20" PER FAR RIPARTIRE IL CONTEGGIO PER LA PROSSIMA DISINCROSTAZIONE</i>	

OPERATING PRINCIPLES – TRIP OFF

Whenever the condensing temperature rises up to 70°C, the condenser sensor installed inside the condenser fins



OPERATING PRINCIPLES – TRIP OFF

...send the
signal to the
Board to
Switch Off
immediately
the operation
of the
machine.



OPERATING PRINCIPLES – FILTER CLEAN

In case the
Red Light is
blinking FAST
with the
machine in
operation it
means....



OPERATING PRINCIPLES – FILTER CLEAN

.... that the condensing temperature is more than 60°C but less than 70° and the condenser air filter needs to be cleaned.



OPERATING PRINCIPLES – WATER SYSTEM CLEAN

In case the
Red Light is
blinking
SLOW with
the machine
in operation it
means....



OPERATING PRINCIPLES – WATER SYSTEM CLEAN

.... to proceed with the cleaning of the water system of the machine as detailed on the “Cleaning section”.

AC 46-56-86 MAINTENANCE

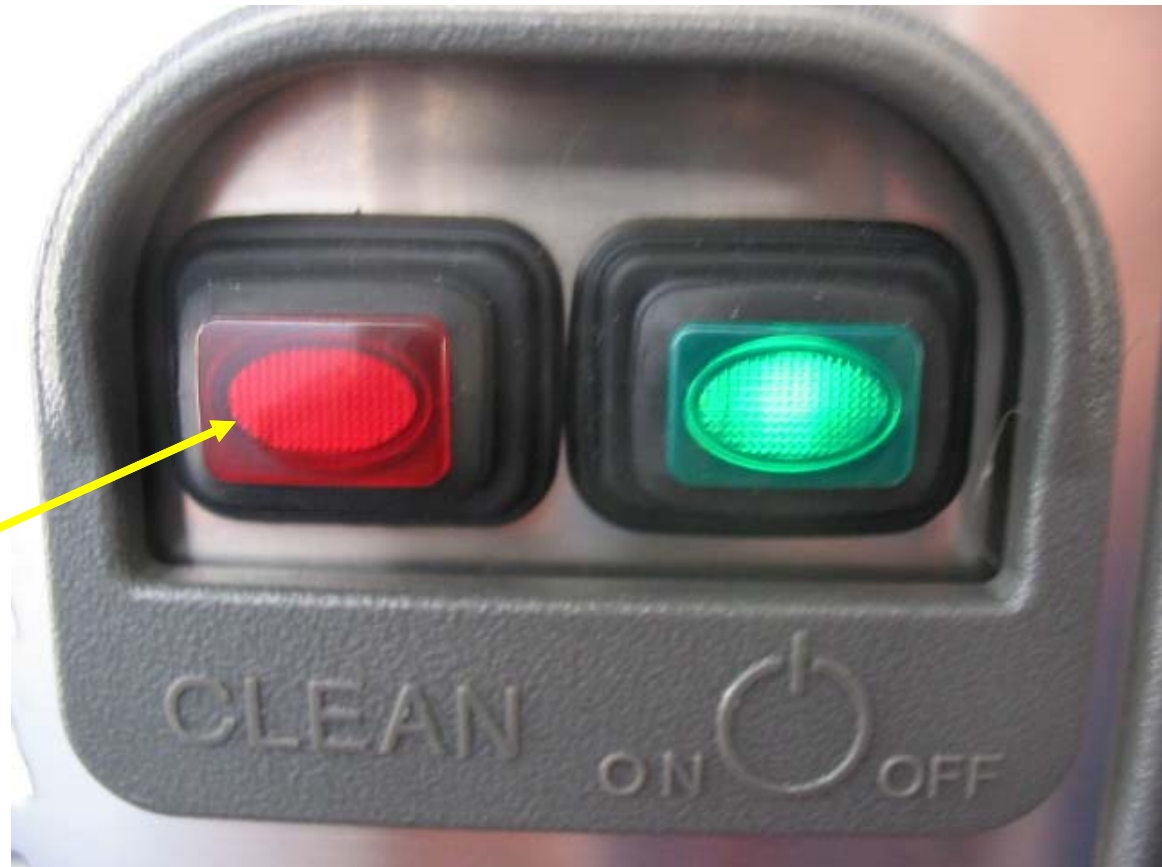
TOOLS REQUIRED

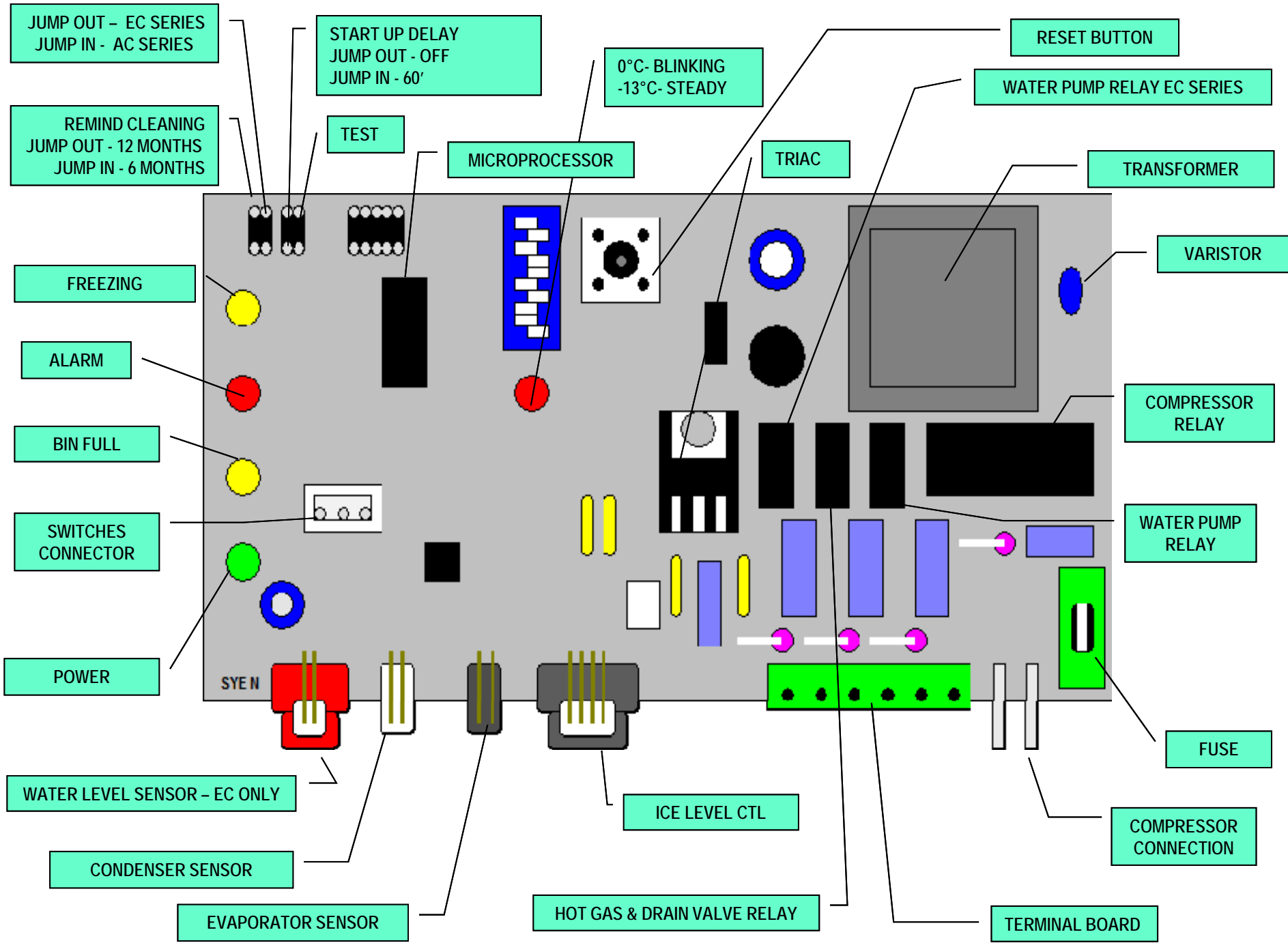
- Medium Phillips Screwdriver
- Medium Flat Screwdriver
- Pair of safety gloves
- Bucket
- Different types of brush
- Approved Cleaner/Sanitiser



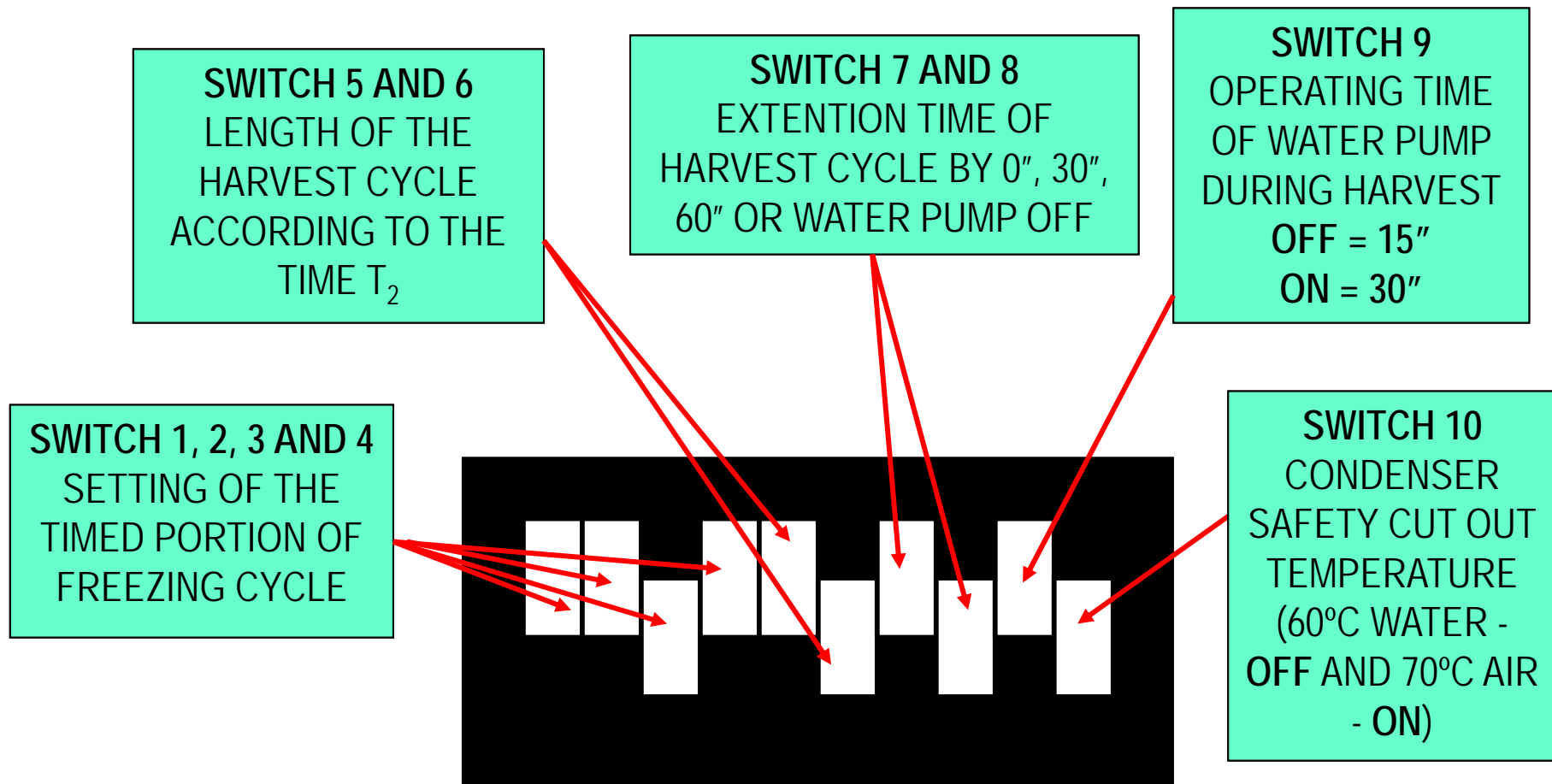
OPERATING PRINCIPLES – WATER SYSTEM CLEAN

Once water system is cleaned it's necessary to restart the count down timer, of the Remind PC Board, by pushing and holding for more than 20" the Red Re-Set button.

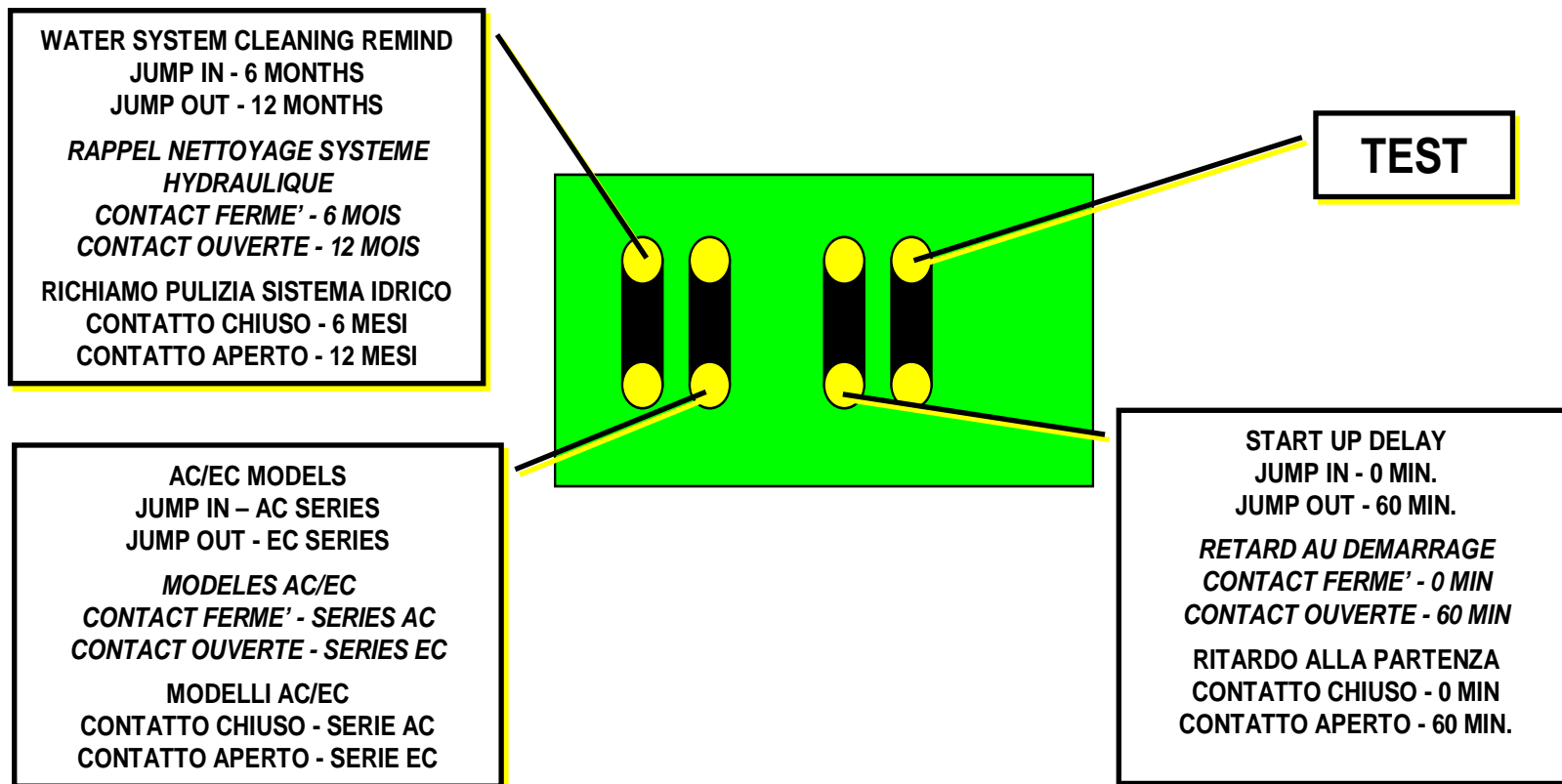




OPERATING PRINCIPLES – DIP SWITCHES



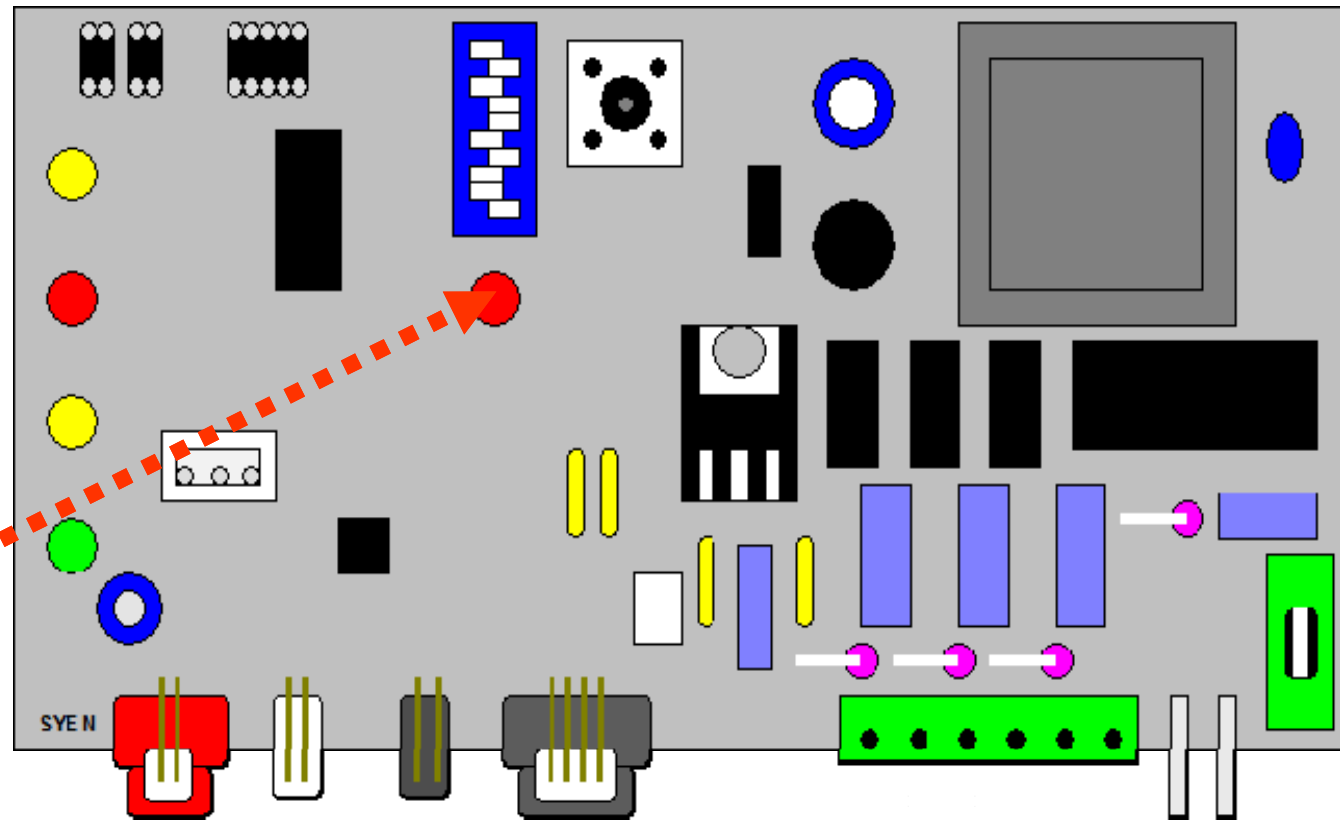
OPERATING PRINCIPLES – JUMPERS



OPERATING PRINCIPLES – PC BOARD

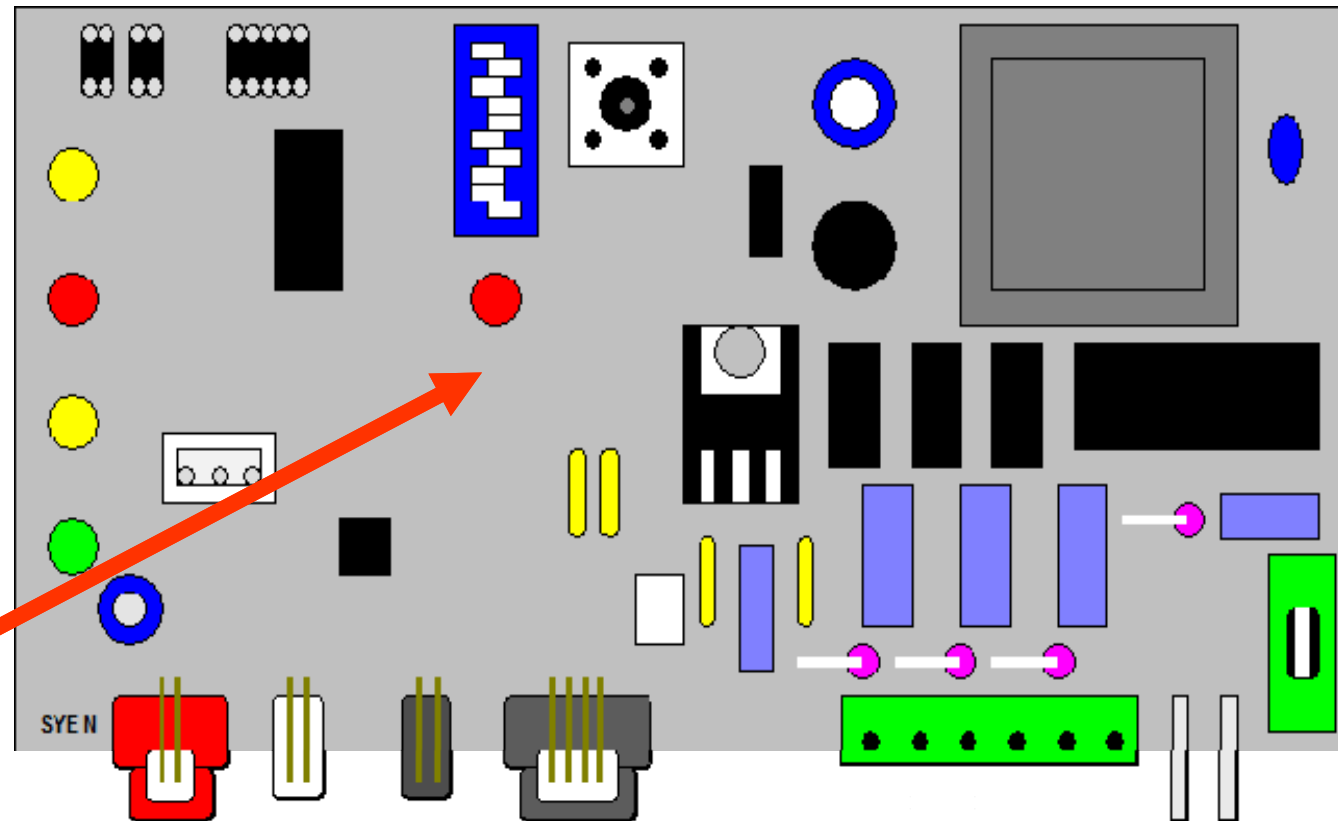
Time T_1

From start
up of
freezing
cycle till
the blinking
of 0°C Red
LED



OPERATING PRINCIPLES – PC BOARD

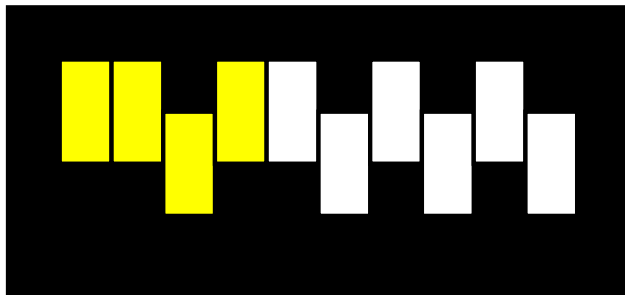
Time T_2
From
blinking of
Red LED
till the light
ON steady
of -15°C
Red LED



OPERATING PRINCIPLES – PC BOARD

Time T_a

Added time controlled
by the PC Board
according to the setting
of the DIP SWITCH
1, 2, 3 and 4.



LENGTH OF TIMED PORTION OF FREEZING CYCLE – FIRST 4 SWITCHES

	25'		23'		21'
	19'		17'		15'
	13'		11'		9'
	7'		5'		3'

OPERATING PRINCIPLES – PC BOARD

Time T_s

Harvest Time T_s is controlled by the PC Board and it is inversely proportional to the Time T_2 of the Freeze Cycle (from 0°C to -13°C) as per the **combination A** of the Table.

Time T_s is NOT adjustable.

LENGTH OF HARVEST CYCLE ACCORDING TO THE TIME TO DROP THE EVAP. TEMPERATURE FROM 0°C TO -13°C

LENGTH HARVEST CYCLE	PROGRAMS			
	A	B	C	D
180"	Up to 6'	***	Up to 9'	***
165"	6'-7'	Up to 3'	9'-10'	***
150"	7'-8'	3'-3'15'	10'-11'	***
135"	8'-9'	3'15"-3'30"	11'-12'	***
120"	9'-10'	3'30"-4'30"	12'-13'	Up to 3'
105"	10'-12'	4'30"-6'	13'-15'	3-4'
90"	>12'	>6'	>15'	>4'



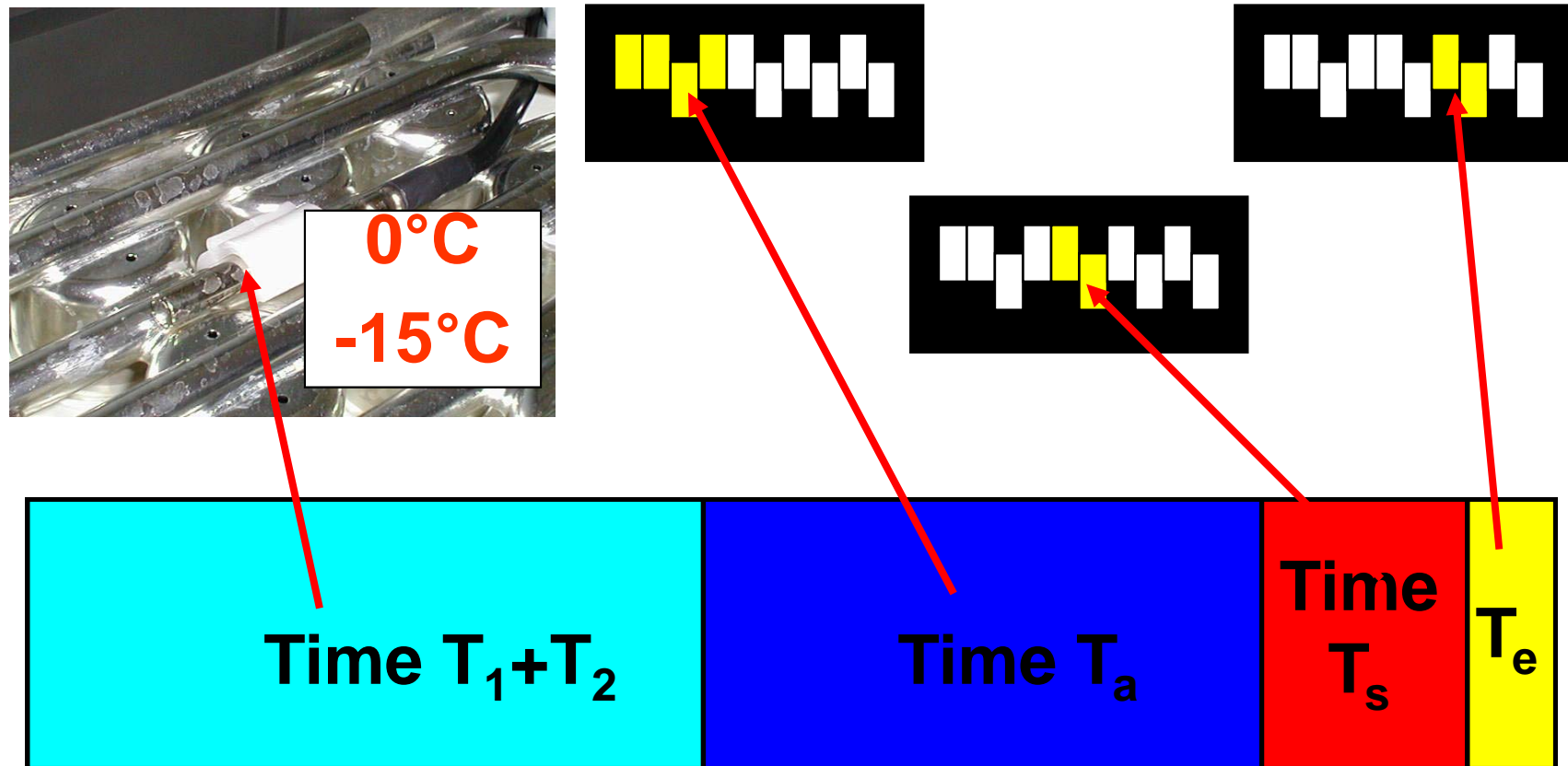
NEW AC SERIES

OPERATING PRINCIPLES – PC BOARD

It's possible to extend the length of the harvest cycle (T_e) by means of the **DIP SWITCH 7 and 8** as per below chart.

DIP SWITCH		ADDITIONAL DEFROST TIME
7	8	
ON	ON	0
OFF	ON	30"
ON	OFF	60"
OFF	OFF	WATER PUMP OFF

OPERATING PRINCIPLES – PC BOARD

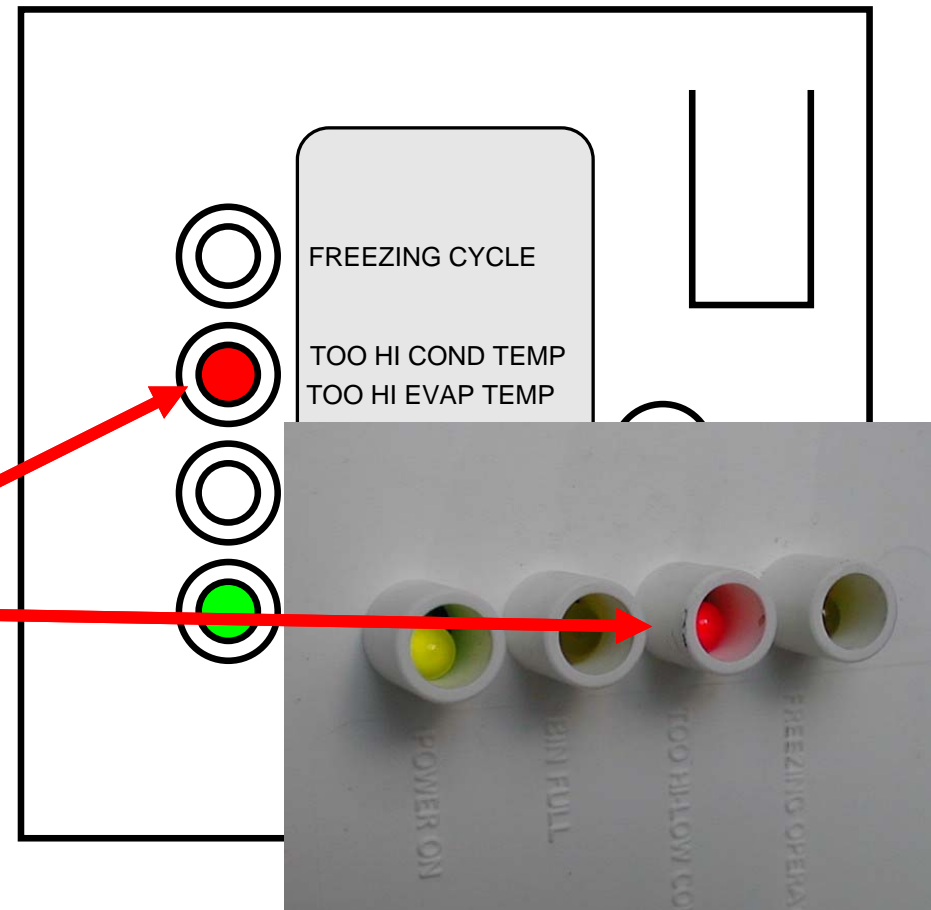


$$\text{Freezing} = T_1 + T_2 + T_a$$

$$\text{Defrost/Harvest} = T_s + T_e$$

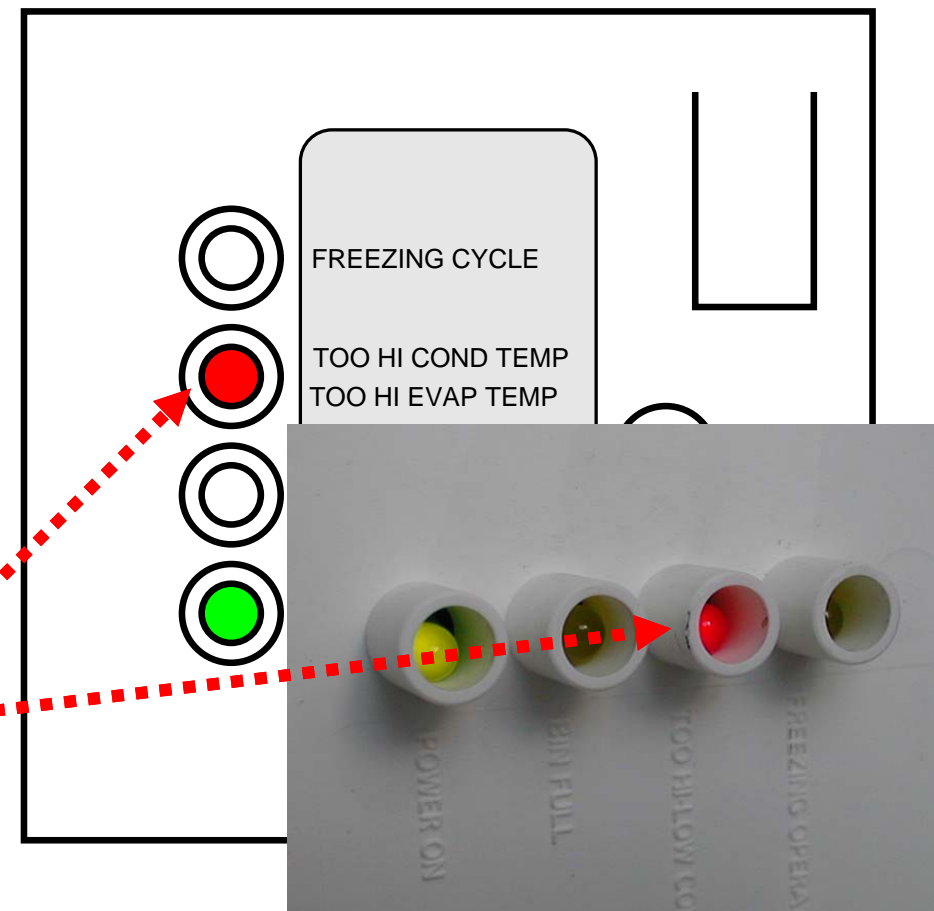
OPERATING PRINCIPLES – PC BOARD ALARMS TOO HI COND. TEMPERATURE

Whenever the condensing temperature rise up to **70°C** (air cooled version) or **60°C** (water cooled version) the PC Board will switch OFF immediately the entire machine with the **light ON** of the **Red ALARM LED**.



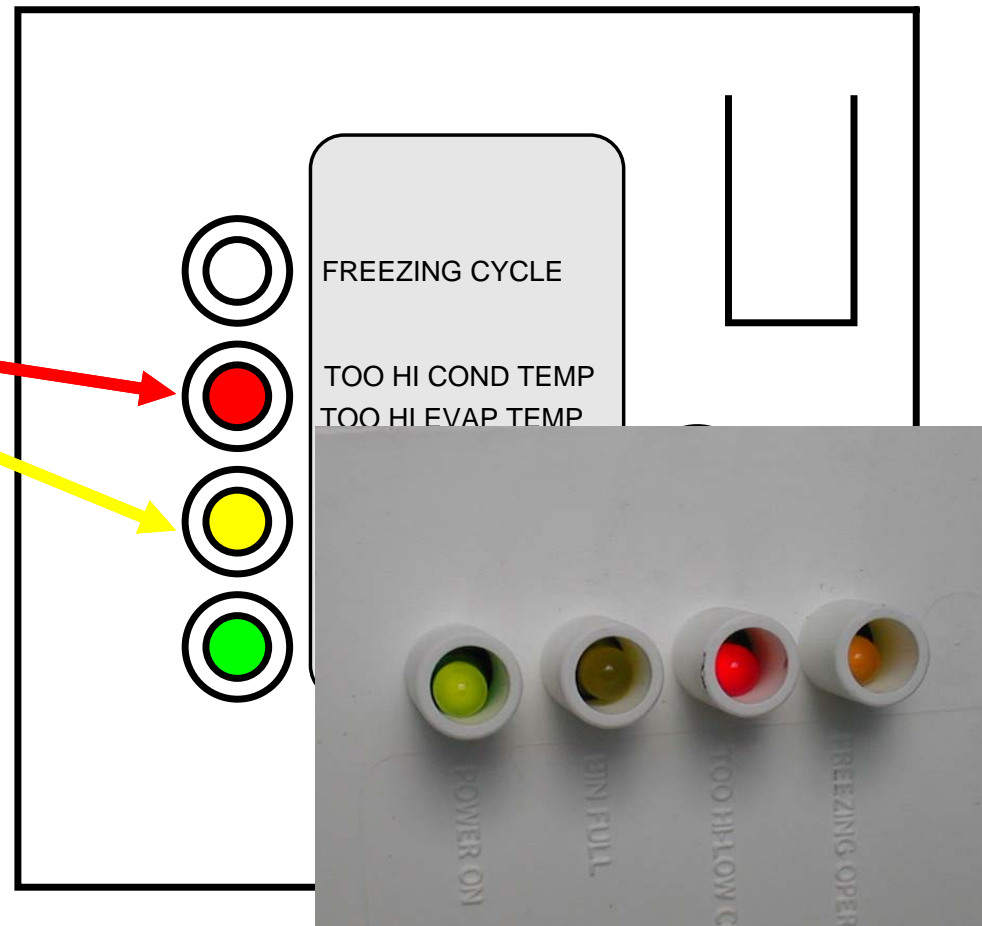
OPERATING PRINCIPLES – PC BOARD ALARMS TOO HI EVAPORATOR TEMPERATURE

In case the evaporating temperature remains higher than **0°C after 15 minutes** from the beginning of the freezing cycle the PC Board will switch OFF immediately the entire machine with the **blinking of the Red ALARM LED.**



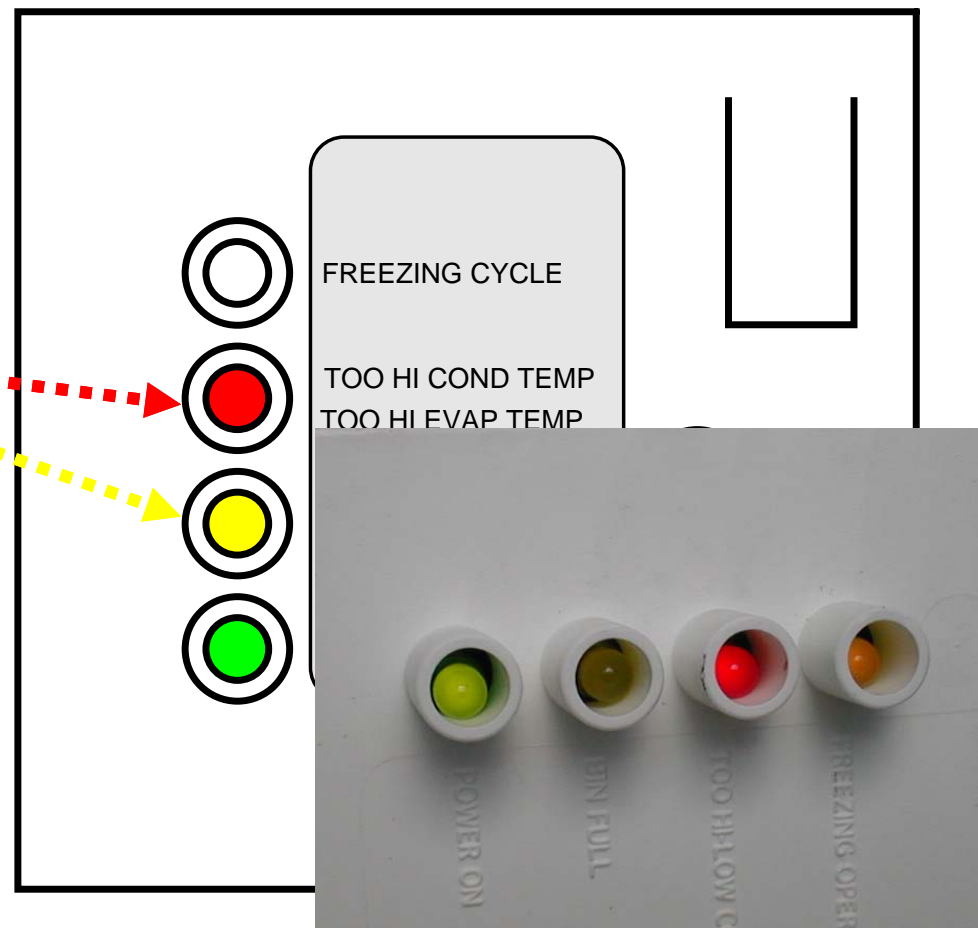
OPERATING PRINCIPLES – PC BOARD ALARMS CONDENSER SENSOR OUT OF ORDER

In case both the Red and Yellow LED are **light ON steady** the condenser sensor is out of order and need to be replaced.



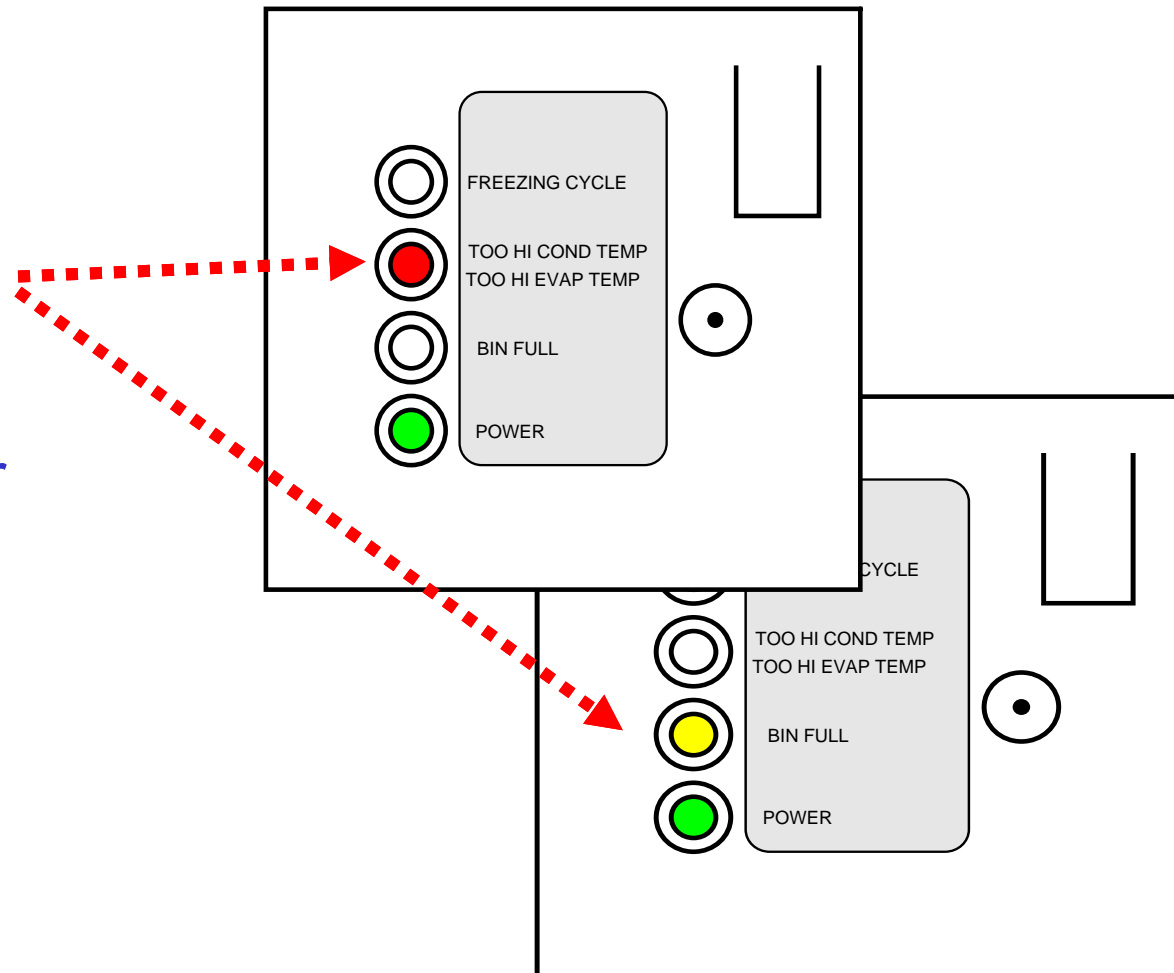
OPERATING PRINCIPLES – PC BOARD ALARMS EVAPORATOR SENSOR OUT OF ORDER

In case both the Red and Yellow LED are **blinking** the evaporator sensor is out of order and need to be replaced.



OPERATING PRINCIPLES – PC BOARD ALARMS ICE LEVEL CONTROL OUT OF ORDER

Whenever red and yellow LEDs blink alternatively ice level control is out of order then have to be replaced



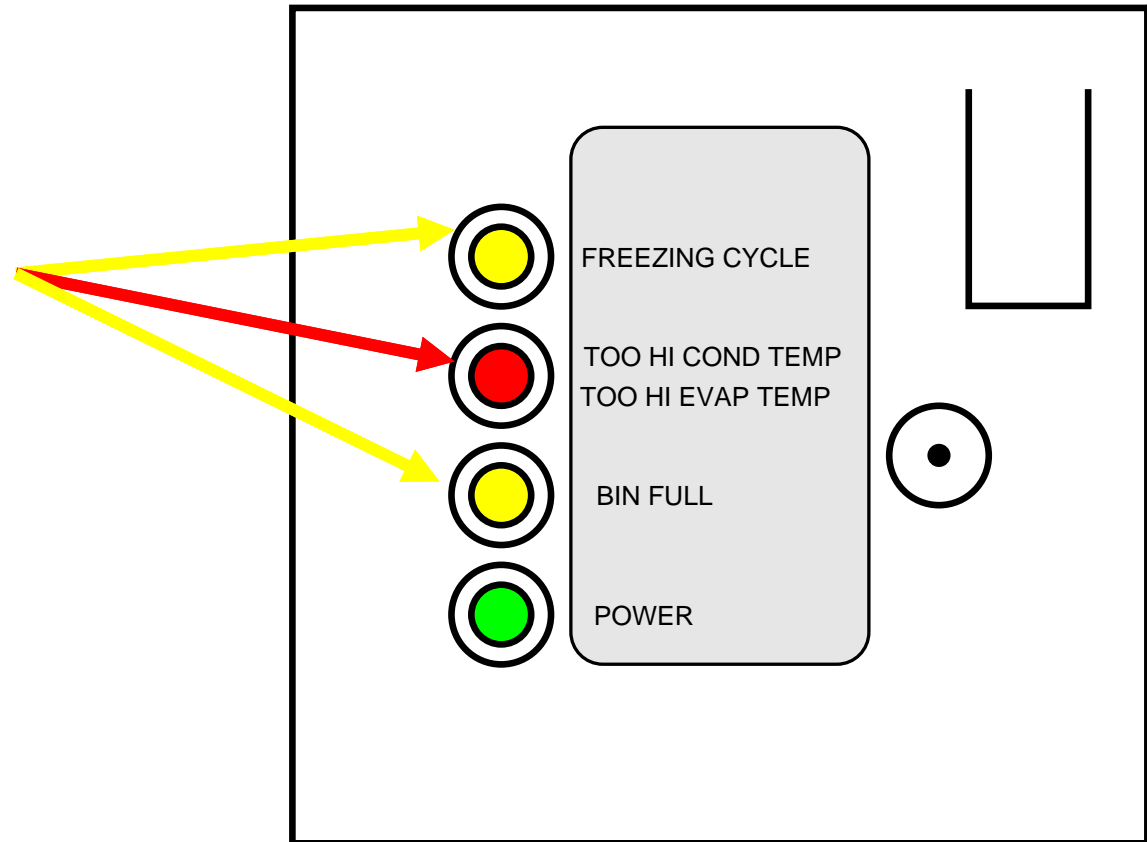
**OPERATING PRINCIPLES – PC BOARD ALARMS
ICE LEVEL CONTROL CALIBRATION**

Three LED flash :

ice level control –

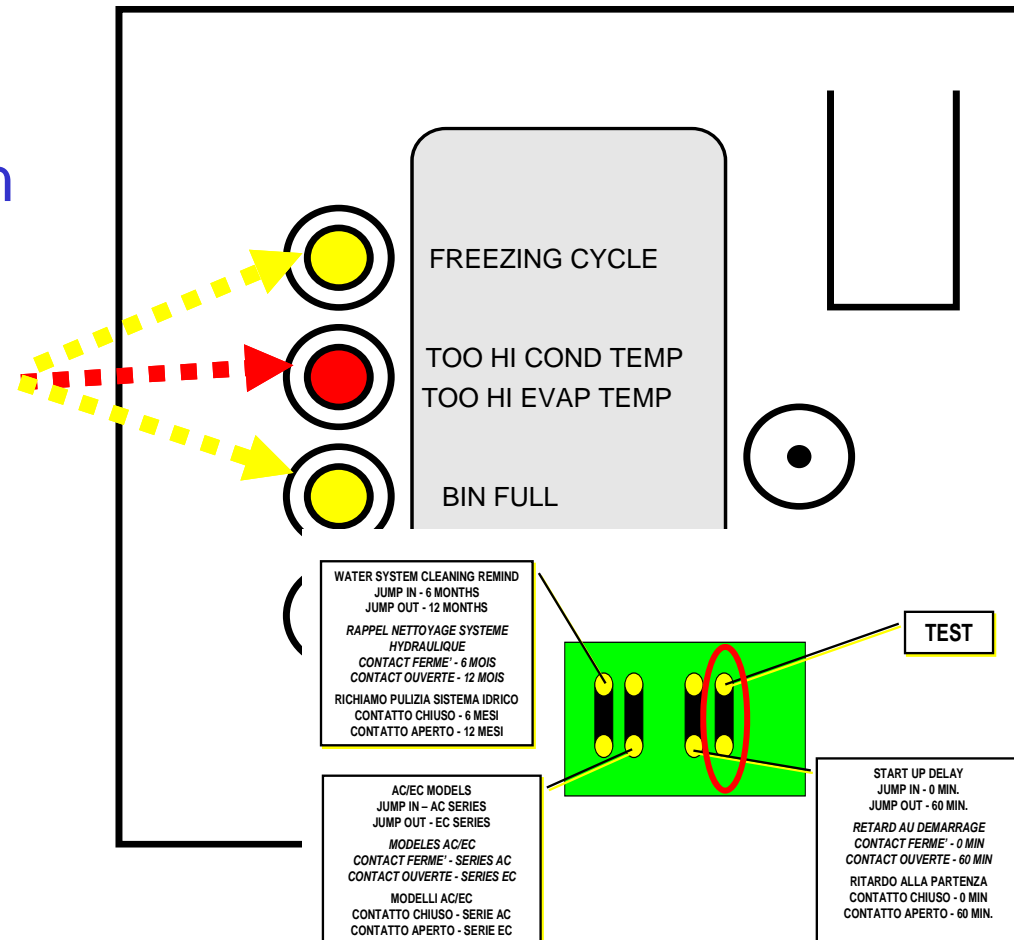
PCB balance /

calibration done



OPERATING PRINCIPLES – PC BOARD ALARMS CLEANING – MISSING TEST JUMPER

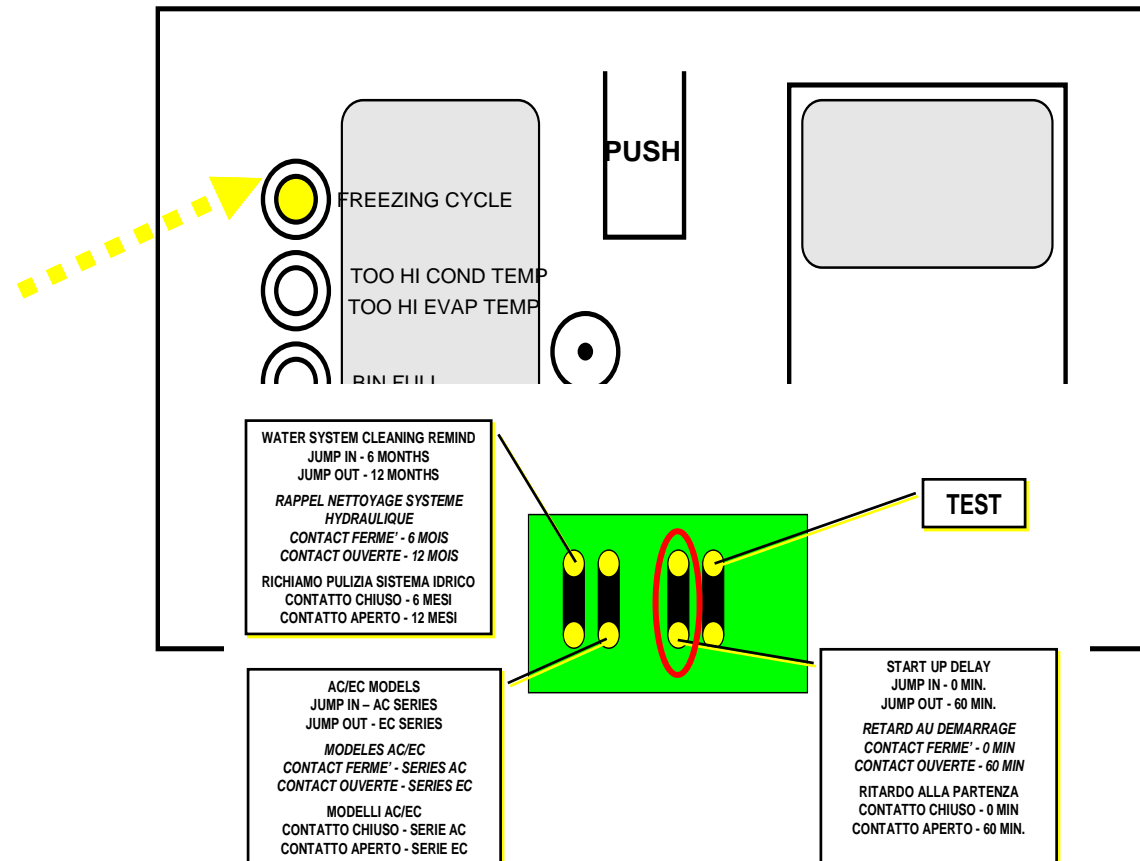
Three LEDs blinking: unit in
cleaning cycle or missing
test jumper removal



OPERATING PRINCIPLES – PC BOARD ALARMS START UP DELAY

Yellow LED blinking at unit start up with ice maker OFF:

60' delay – Jumper J3 OPEN



COMPONENTS - REFRIGERANT SYSTEM

The components of the refrigerant system of the Models AC 106 up to AC 226 are composed by:

- **COMPRESSOR**



COMPONENTS - REFRIGERANT SYSTEM

- **CONDENSER**



COMPONENTS - REFRIGERANT SYSTEM

- **EVAPORATOR**



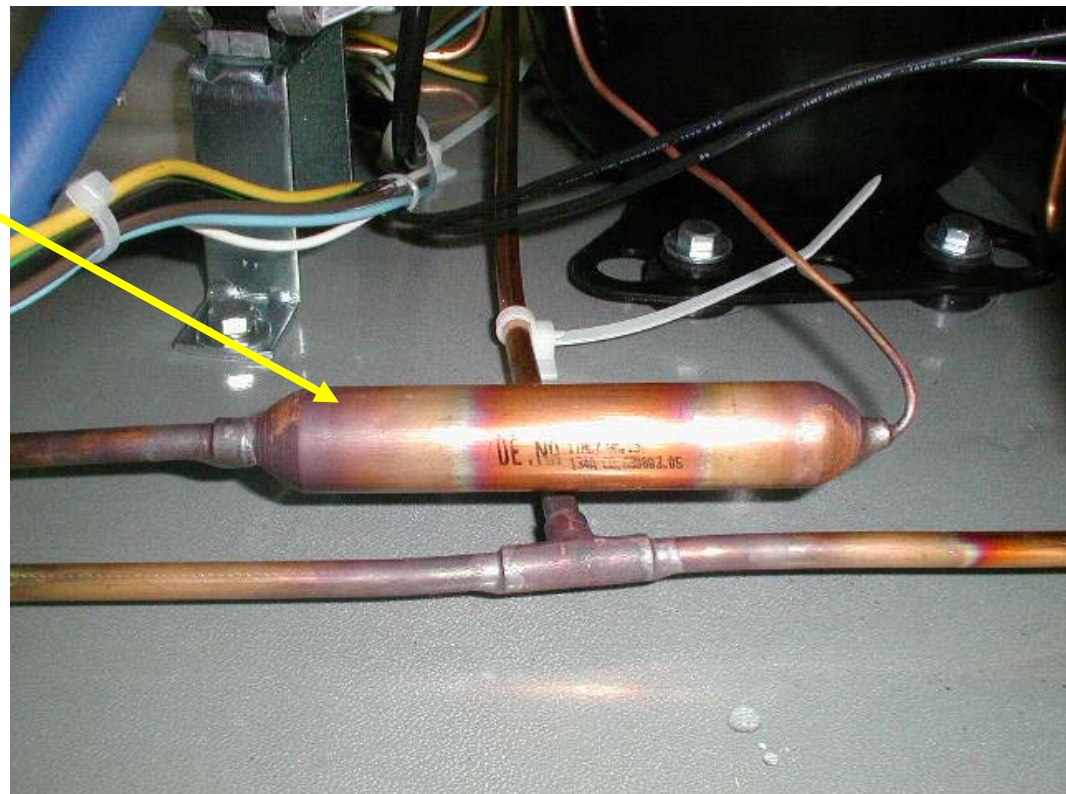
COMPONENTS - REFRIGERANT SYSTEM

- **SUCTION LINE AND
CAPILLARY TUBE**



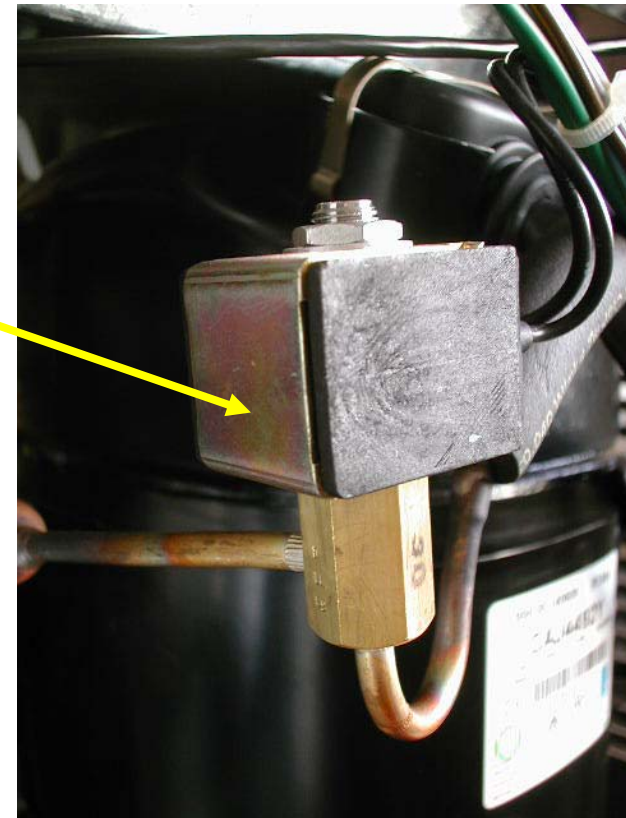
COMPONENTS - REFRIGERANT SYSTEM

- **DRIER**



COMPONENTS - REFRIGERANT SYSTEM

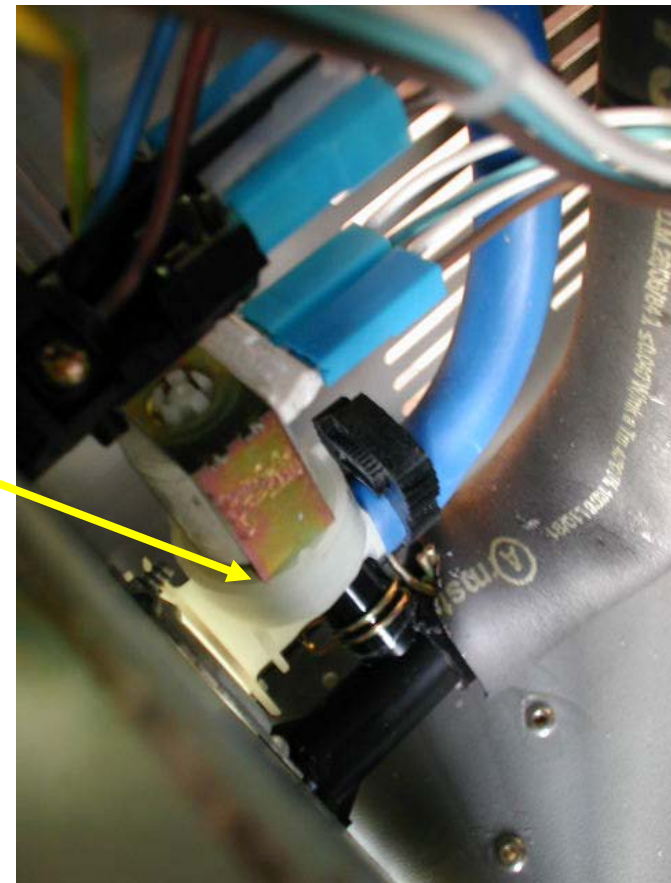
- **HOT GAS VALVE**



COMPONENTS - WATER SYSTEM

The components of the water system of the Models AC 106 up to AC 226 are composed by:

- **WATER INLET VALVE**



COMPONENTS - WATER SYSTEM

- **WATER SUMP**

AC 106-126-176



COMPONENTS - WATER SYSTEM

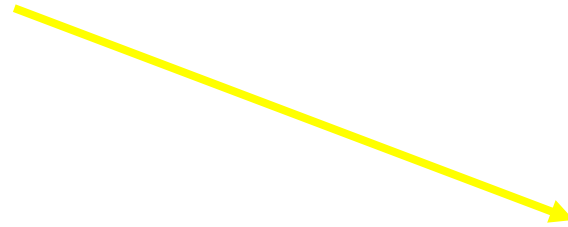
- **WATER SUMP**

AC 206-226



COMPONENTS - WATER SYSTEM

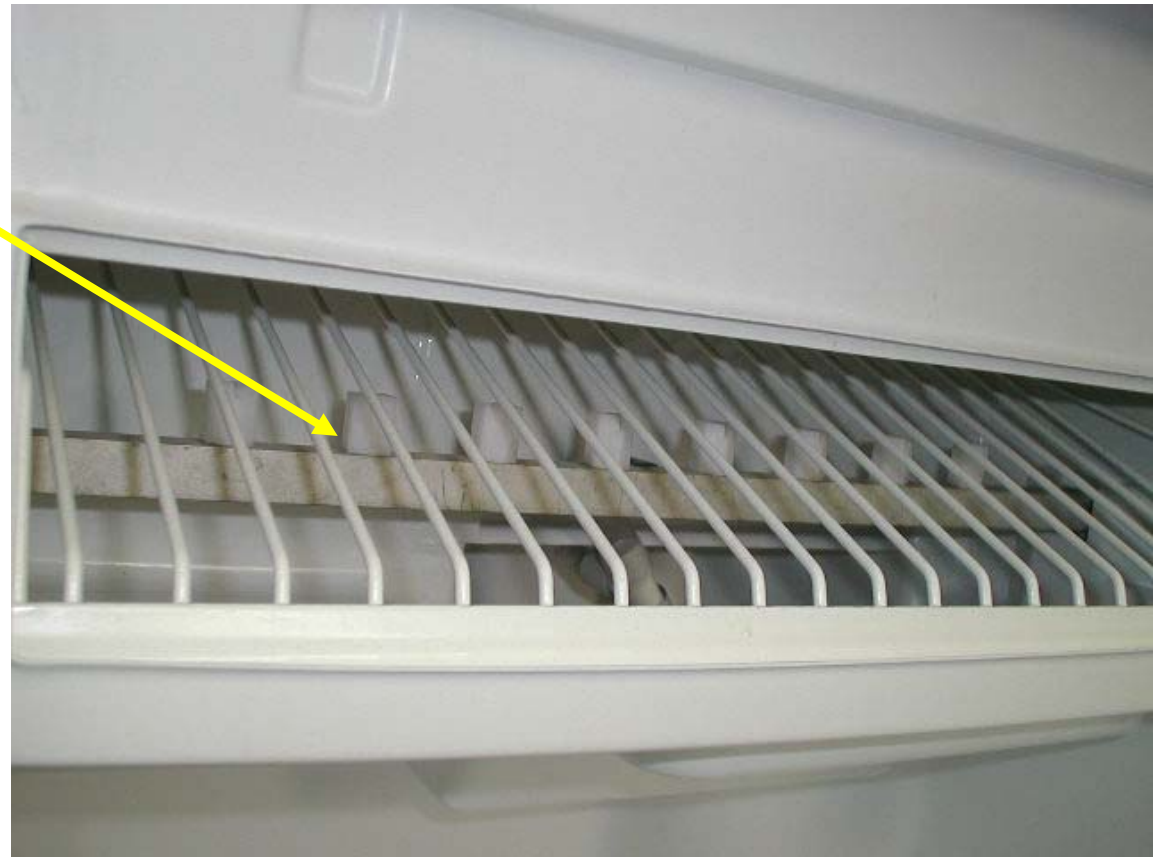
- **WATER PUMP**



COMPONENTS - WATER SYSTEM

- **SPRAY PLATEN**

AC 106 ONLY



COMPONENTS - WATER SYSTEM

- **SPRAY PLATEN**

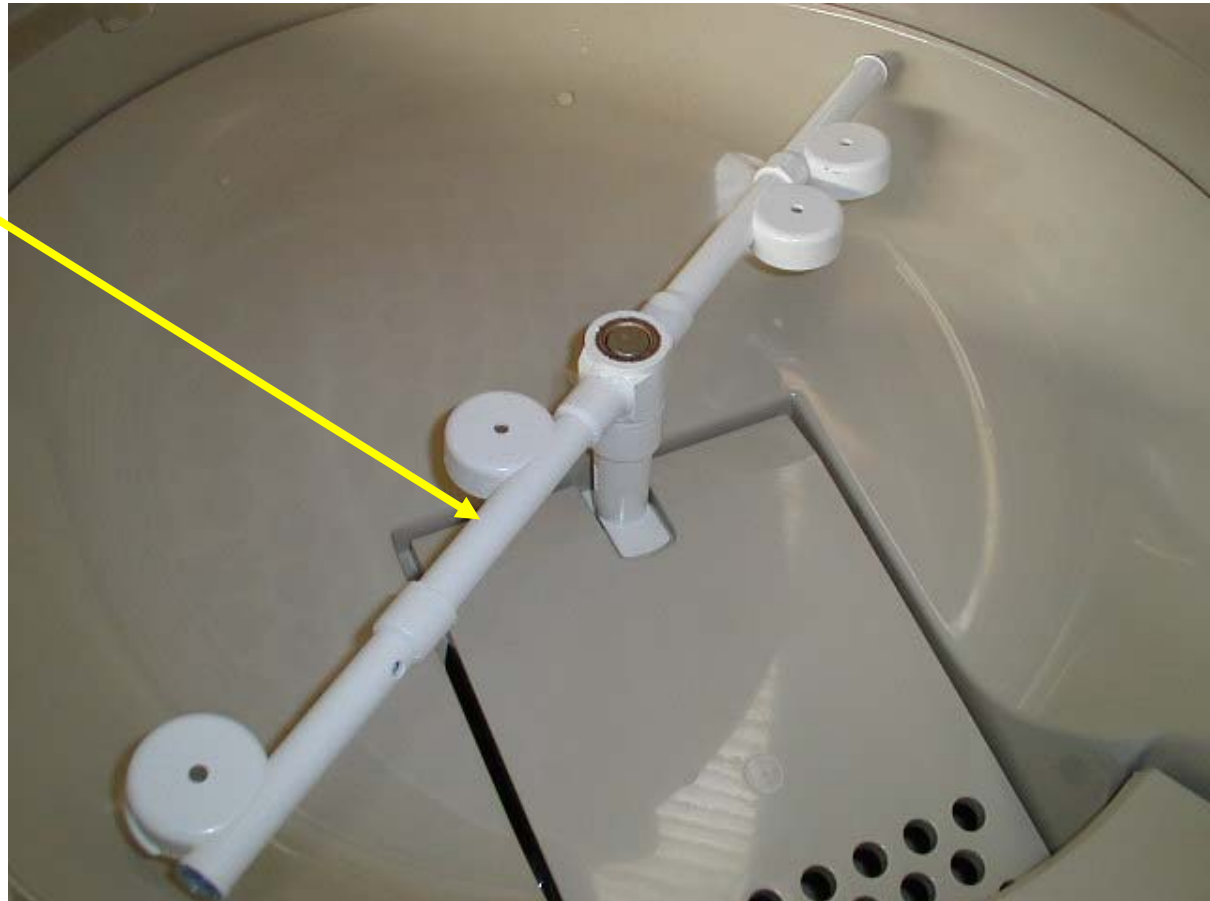
AC 126-176



COMPONENTS - WATER SYSTEM

- **SPRAY BAR**

AC 206-226



COMPONENTS - WATER SYSTEM

- **OVERFLOW**

AC 106-126-176



COMPONENTS - WATER SYSTEM

- **OVERFLOW**

AC 206-226



COMPONENTS - WATER SYSTEM

- **WATER DRAIN VALVE**
(NOT used on AC 106)



COMPONENTS - ELECTRICAL CONTROLS

The components of the Electric System of the Models AC 106 up to AC 226 are composed by:

- **MASTER SWICH**



COMPONENTS - ELECTRICAL CONTROLS

- **ALARM-RESET SWITCH**



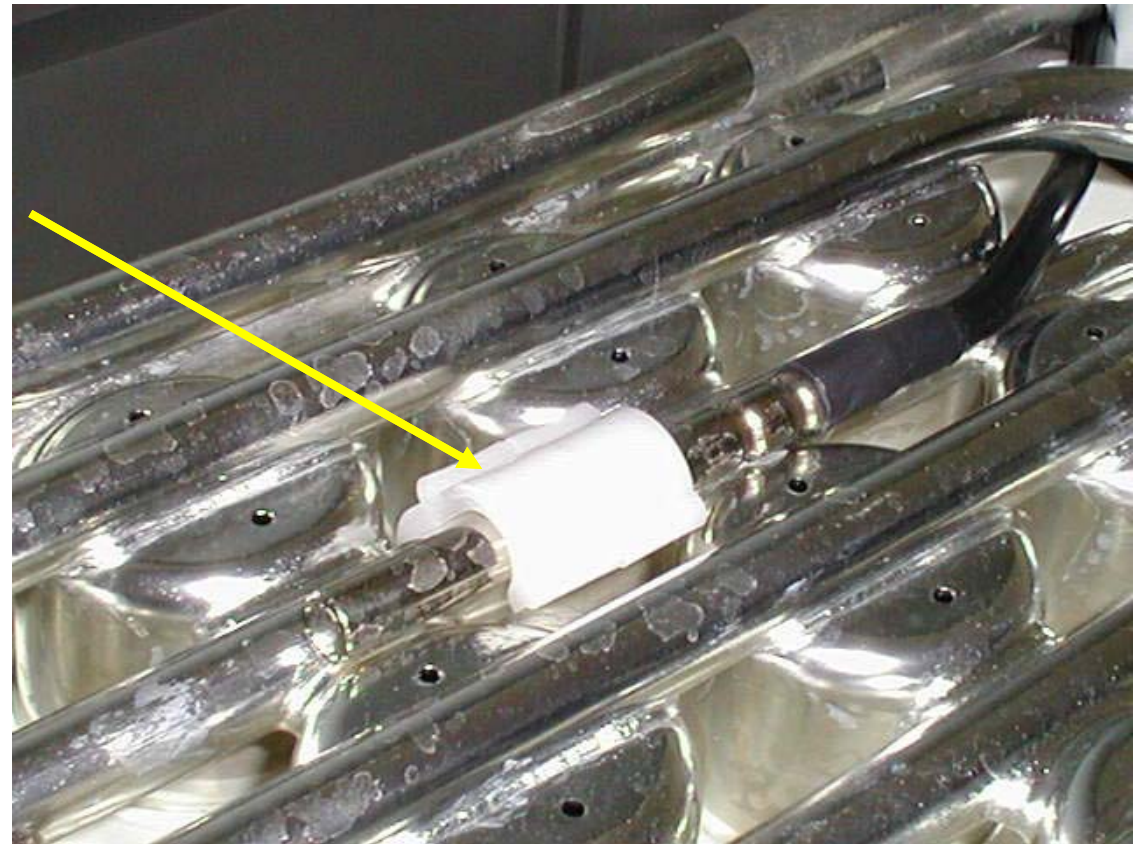
COMPONENTS - ELECTRICAL CONTROLS

- **PC BOARD**



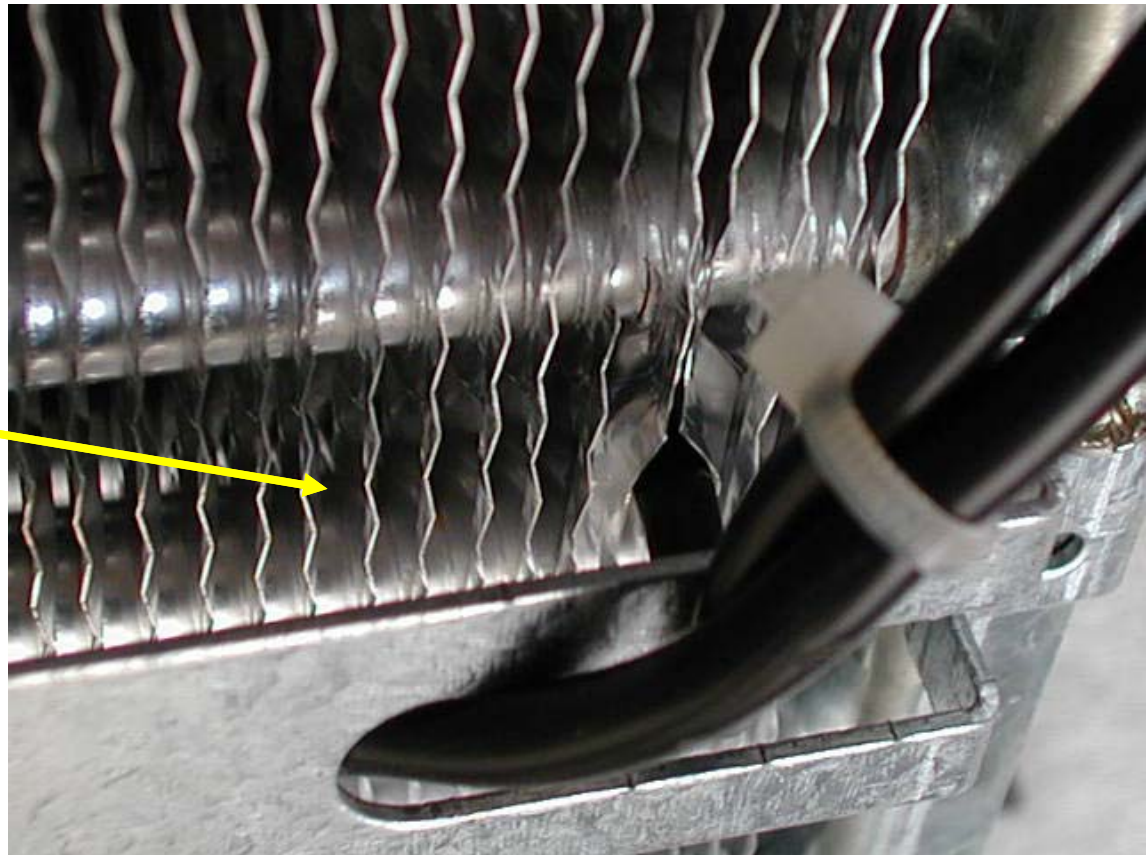
COMPONENTS - ELECTRICAL CONTROLS

- **EVAPORATOR SENSOR**



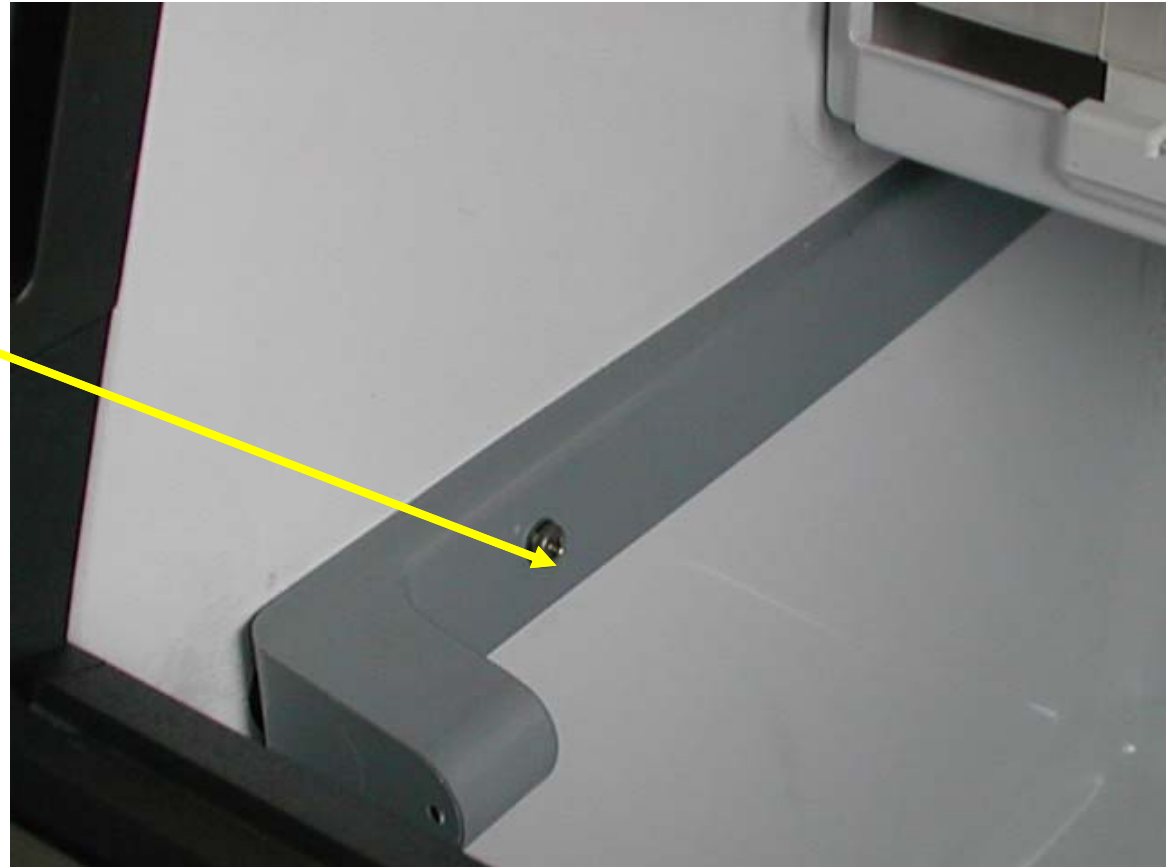
COMPONENTS - ELECTRICAL CONTROLS

- **CONDENSER SENSOR**



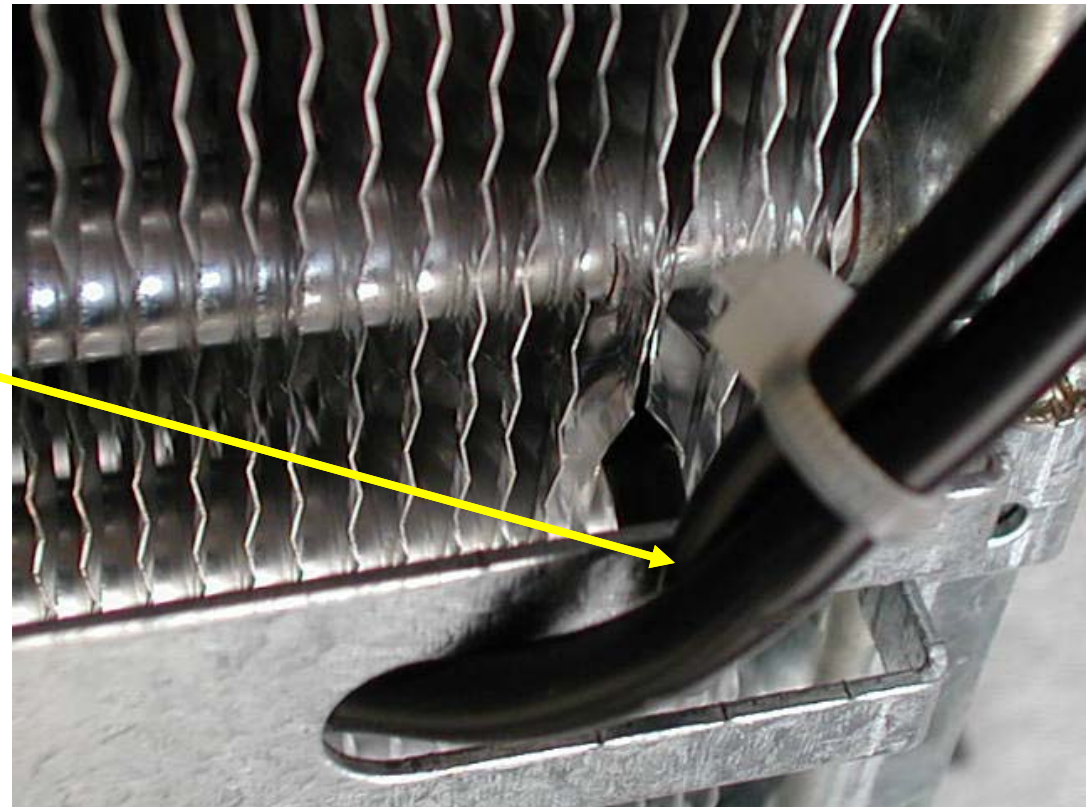
COMPONENTS - ELECTRICAL CONTROLS

- **OPTICAL ICE LEVEL CONTROL**



COMPONENTS - ELECTRICAL CONTROLS

- **CONDENSER
SENSOR**



Scotsman[®]
Ice Systems

**END FIRST
HALF**

