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ICE MAKER

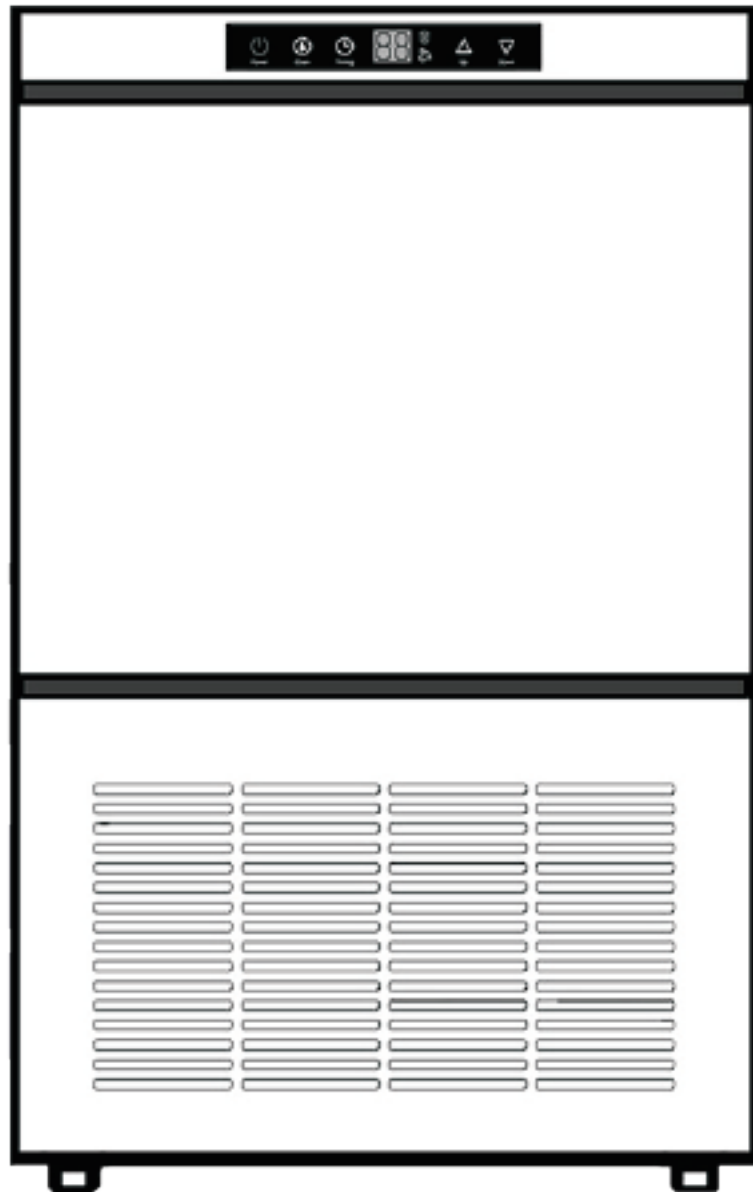
USER MANUAL



ICE MAKER

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01. PROPER INSTALLATION, USE AND MAINTENANCE OF THIS MACHINE ARE ALL IMPORTANT FOR MAINTAINING PRODUCTION AND USER SAFETY. IN ORDER TO REDUCE THE FAILURE RATE PLEASE READ THESE INSTRUCTIONS CAREFULLY. IMPROPER USE COULD RESULT IN EQUIPMENT DAMAGE, PERSONAL INJURY OR EVEN DEATH.

02. DO NOT USE THE ICE MAKER IF YOU HAVE NOT BEEN PROPERLY TRAINED.

03. DO NOT LET CHILDREN PLAY WITH THE ICE MAKER OR ITS PACKAGING MATERIALS.

04. AT LEAST TWO PEOPLE ARE REQUIRED TO LIFT THE ICE MAKER OR IT IS RECOMMENDED THAT A LIFTING DEVICE IS USED TO AVOID INJURY.

05. A QUALIFIED ENGINEER MUST PERFORM THE INSTALLATION AND ONGOING MAINTENANCE OF THE ICE MAKER.

06. WHEN OPERATING ALL PROCEDURES MUST BE FOLLOWED IN ACCORDANCE WITH THESE INSTRUCTIONS TO ENSURE NO DAMAGE OCCURS TO THE REFRIGERATION SYSTEM.

07. DO NOT OPERATE THE ICE MAKER IF THERE ARE ANY UNAUTHORISED CHANGES TO THE ORIGINAL MANUFACTURERS SPECIFICATIONS OR IF THE MACHINE HAS BEEN MISUSED, ABUSED OR NEGLECTED.

08. ENSURE THE ICE MAKERS FRONT PANEL AND COVER ARE IN PLACE BEFORE TURNING THE MACHINE ON.

09. DO NOT COVER THE ICE MAKERS VENTS, THERE MUST BE A MINIMUM CLEARANCE OF 150MM AROUND THE ICE MAKER AT ALL TIMES DURING OPERATION.

10. DO NOT STORE FLAMMABLE GASES OR LIQUIDS IN OR NEAR TO THE ICE MAKER.

11. DO NOT USE HIGH-PRESSURE WATER CLEANING DEVICES TO CLEAN THE ICE MAKER

12. IT IS THE USERS RESPONSIBILITY TO TAKE APPROPRIATE MEASURES TO ENSURE THE SAFETY OF STAFF OPERATING THE ICE MAKER.

13. IT IS THE USERS RESPONSIBILITY TO ENSURE THE ONGOING MAINTENANCE OF THE ICE MAKER IS COMPLETED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS LAID OUT IN THIS MANUAL.

14. TO PREVENT ACCIDENTAL INJURIES KEEP THE AREA SURROUNDING THE ICE MAKER CLEAN AND TIDY AND FREE FROM OBSTRUCTIONS.

IMPORTANT

01. THIS MANUAL IS AN INTEGRAL PART OF THE ICE MAKER AND SHOULD BE KEPT AND PRESERVED BY THE USER FOR FUTURE REFERENCE. PLEASE READ THE INSTRUCTIONS CAREFULLY FOR THE CORRECT INSTALLATION METHOD, SAFETY WARNINGS AND MAINTENANCE INFORMATION FOR THIS ICE MAKER.

02. THIS ICE MAKER IS DESIGNED FOR COMMERCIAL USE AND SHOULD BE USED FOR THE PURPOSE FOR WHICH IT HAS BEEN EXPRESSLY DESIGNED. ANY OTHER USE SHOULD BE CONSIDERED IMPROPER AND THEREFORE DANGEROUS. THE MANUFACTURER WILL NOT BE LIABLE OR RESPONSIBLE FOR ANY DAMAGE CAUSED BY IMPROPER, INCORRECT OR UNREASONABLE USE.

INSTALLATION

WARNING

THE INSTALLATION OF THIS ICE MAKER MUST BE CARRIED OUT BY QUALIFIED PERSONNEL IN ACCORDANCE WITH CURRENT REGULATIONS AND AS PER THE MANUFACTURERS INSTRUCTIONS. FAILURE TO CORRECTLY INSTALL THIS ICE MAKER COULD RESULT IN DAMAGE OR INJURY AND WILL VOID THE WARRANTY.

01. UNPACKING

WARNING

KEEP ALL PACKAGING MATERIALS INCLUDING BOXES, PLASTIC BAGS AND POLYTHENE OUT OF REACH OF CHILDREN

IMPORTANT

i. REMOVE ALL SHIPPING MATERIALS, TAPE AND PACKAGING FROM THE BOTH OUTSIDE AND INSIDE THE ICE MAKER. **IF PACKAGING MATERIAL IS LEFT INSIDE THE ICE MAKER IT WILL NOT FUNCTION CORRECTLY**

ii. AFTER REMOVING THE PACKAGING MAKE SURE THE ICE MAKER IS IN GOOD CONDITION. IF IN DOUBT PLEASE DO NOT INSTALL OR USE THE ICE MAKER AND CONTACT YOUR SUPPLIER IMMEDIATELY.

iii. REMOVE THE SHIPPING TAPE WHICH IS HOLDING THE DOOR AND FRONT PANEL

iv. REMOVE THE PROTECTIVE PLASTIC FILM FROM THE EXTERIOR BEFORE INSTALLATION. IF THE ICEMAKER HAS BEEN EXPOSED TO SUN OR HEAT ALLOW THE ICE MAKER TO COOL DOWN BEFORE REMOVING THE PROTECTIVE FILM.

iv. REMOVE THE ACCESSORY PACK AND CHECK THE CONTENTS, IT SHOULD CONTAIN

- 1 x INLET WATER HOSE
- 1 x ICE SCOOP
- 1 x DRAIN HOSE
- 1 x INSTRUCTION MANUAL

LOCATION

WARNING

THIS ICE MAKER IS NOT INTENDED FOR OUTDOOR USE. NORMAL OPERATING TEMPERATURES FOR THIS ICE MAKER ARE BETWEEN 10°C AND 32°C. USE OF THIS ICE MAKER OUTSIDE OF THE DEFINED OPERATING PARAMETERS WILL AFFECT PRODUCTION AND MAY DAMAGE THE UNIT.

01. ENSURE THERE IS A FREE FLOW OF CLEAN AIR AVAILABLE ALL AROUND THE ICE MAKER.

02. THE ICE MAKER SHOULD NOT BE LOCATED CLOSE TO A HEAT SOURCE (RADIATOR, STOVE OR HEATER) OR EXPOSED TO DIRECT SUNLIGHT.

03. THE INSTALLATION LOCATION SHOULD BE FIRM AND LEVEL AND ABLE TO SUPPORT THE FULL WEIGHT OF THE ICE MAKER WHEN LOADED WITH ICE AND WATER.

04. ALLOW AT LEAST 150MM CLEARANCE AT THE REAR, BOTH SIDES AND TOP OF THE ICE MAKER FOR PROPER AIR CIRCULATION AND EASE OF MAINTENANCE.

05. THIS ICE MAKER IS NOT SUITABLE FOR INSTALLATION IN AREAS WHERE WATER IS FREE FLOWING OR HIGH PRESSURE WATER JETS ARE USED

06. IF THE AMBIENT TEMPERATURE DROPS BELOW 10°C THE UNIT SHOULD NOT BE USED. IF THE AMBIENT TEMPERATURE DROPS BELOW 10°C WATER SHOULD BE DRAINED OUT OF THE UNIT AND SUPPLY HOSES TO PREVENT DAMAGE IF THE WATER FREEZES.

LEVELLING THE ICE MAKER

01. CARE SHOULD BE TAKEN TO ENSURE THE ICE MAKER IS PERFECTLY LEVEL FOR CORRECT OPERATION. THE UNIT HAS 4 ADJUSTABLE FEET ON THE BOTTOM FOR LEVELLING. A SPIRIT LEVEL SHOULD BE USED TO CHECK THE UNIT IS PERFECTLY LEVEL, IF THE UNIT IS NOT LEVEL ICE PRODUCTION WILL BE AFFECTED.

ELECTRICAL CONNECTION

WARNING

ALL WIRING AND ELECTRICAL CONNECTION MUST CONFIRM TO NATIONAL REGULATIONS. ALL ELECTRICAL CONNECTIONS MUST BE UNDERTAKEN BY A COMPETENT ENGINEER OR A QUALIFIED ELECTRICIAN.

01. THIS ICE MAKER MUST BE PLUGGED IN TO AN INDEPENDENT POWER SOURCE OR AN ELECTRICAL SOCKET OF VOLTAGE AND FREQUENCY SPECIFIED. ELECTRICAL RATING INFORMATION CAN BE FOUND ON THE DATA PLATE OF THE ICE MAKER.

02. THIS ICE MAKER MUST BE CONNECTED TO AN INDEPENDENT CIRCUIT BREAKER OR FUSE.

03. DUE TO POTENTIAL SAFETY HAZARDS THIS ICE MAKER IS NOT RECOMMENDED FOR USE WITH AN EXTENSION LEAD

ELECTRICAL SPECIFICATION

MODEL	VOLTAGE	TOTAL POWER	CURRENT
CL20	230V/50Hz	155w	0.9 amps

WARNING

IF THE POWER SUPPLY CABLE IS DAMAGED, DO NOT INSTALL OR OPERATE THE MACHINE UNTIL THE CABLE HAS BEEN REPLACED BY AN AUTHORISED SERVICE PARTNER OR A QUALIFIED ENGINEER.

WARNING

PLEASE TAKE PROTECTIVE MEASURES WHEN THE AMBIENT TEMPERATURE DROPS BELOW 10°C.

WARNING

ALL ELECTRICAL CONNECTIONS MUST CONFORM TO LOCAL REGULATIONS AND BE CARRIED OUT BY A QUALIFIED ENGINEER

WATER SUPPLY AND DRAIN CONNECTION

WE RECOMMEND INSTALLATION OF AN INLINE WATER FILTER TO THIS ICE MAKER. THIS WILL REDUCE LIMESCALE BUILD UP, IMPROVE EFFICIENCY, AND EXTEND THE OVERALL LIFESPAN OF THE UNIT. A WATER FILTER WILL ALSO REMOVE IMPURITIES AND CREATE A CLEARER, BETTER TASTING ICE CUBE.

01. WATER SUPPLY PRESSURE SHOULD BE BETWEEN 1.4BAR AND 5.5BAR. IF THE PRESSURE EXCEEDS 5.5 BAR A PRESSURE REDUCING VALVE MUST BE USED. FAULTS DUE TO LOW OR HIGH WATER PRESSURE ARE NOT COVERED UNDER WARRANTY.

02. THE DRAIN CONNECTION SHOULD BE INSTALLED INTO AN OPEN TRAPPED DRAIN. (SEE FIG.1).

03. THE ICE MAKER DRAIN IS GRAVITY FLOW, THE ICE MAKER NEEDS TO BE INSTALLED ABOVE THE HEIGHT OF MAIN DRAIN TO ALLOW FOR EASY DRAINING

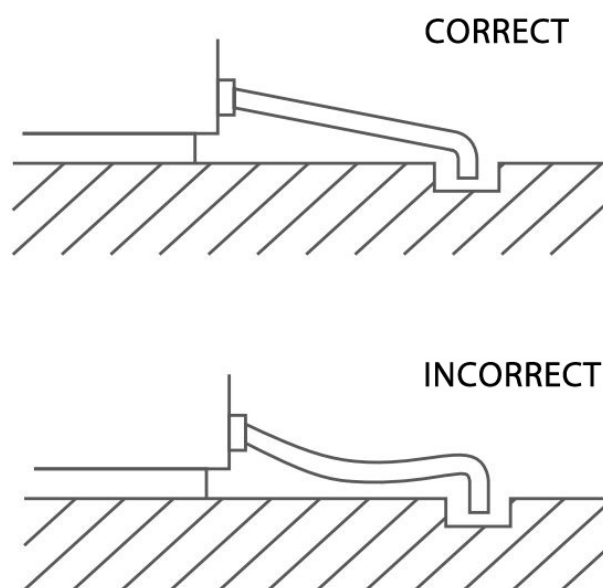
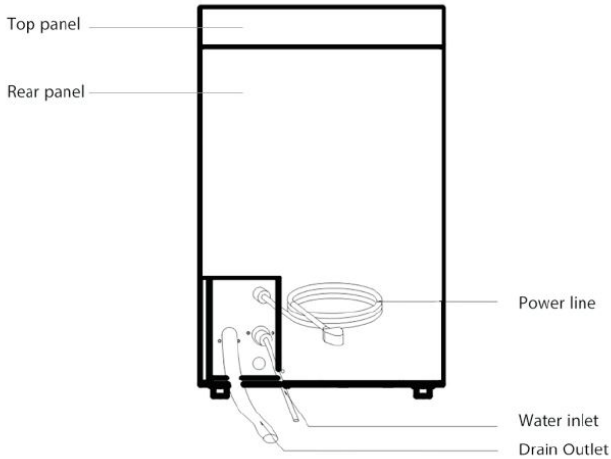


FIG.1

04. ATTACH ONE END OF THE WATER INLET HOSE TO THE REAR OF THE MACHINE AND ATTACH THE OTHER END OF THE HOSE TO THE MAINS WATER CONNECTION. IT IS ADVISABLE TO HAVE A STOP VALVE CLOSE TO THE ICE MAKER.

PART II

05. PUSH THE FLEXIBLE DRAIN HOSE ON THE DRAIN SPIGOT AT THE REAR OF THE MACHINE AND SECURE WITH THE CLIP PROVIDED. THE DRAIN PIPE CAN BE CUT TO LENGTH TO ALLOW THE DRAIN CONNECTION TO HAVE A SLIGHT FALL IF NECESSARY

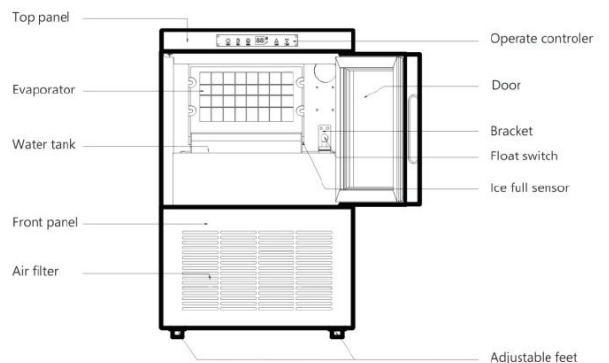


PRE-INSTALLATION CHECK LIST

ALL ICE MACHINES HAVE BEEN FACTORY PRESET BEFORE SHIPMENT. ADJUSTMENTS TO THE PROGRAM OR SETTINGS ARE NOT REQUIRED FOR A NEW ICE MAKER INSTALLATION. IN ORDER TO ENSURE NORMAL OPERATION OF THE ICEMAKER PLEASE REFER TO PART III OF THIS MANUAL. ALWAYS REMEMBER THAT CHECKING AND MONITORING OF THE ICE MAKER IS THE RESPONSIBILITY OF THE OPERATOR.

- IS THE ICE MAKER INSTALLED ON A HORIZONTAL AND LEVEL SURFACE?
- HAS THE ICE MAKER BEEN LEVELLED USING THE ADJUSTABLE FEET?
- ARE THE WATER AND DRAIN PIPES CONNECTED SECURELY WITHOUT LEAKS?
- HAS ALL OF THE INNER AND OUTER PACKAGING BEEN REMOVED FROM THE ICE MAKER?
- IS THE ICE MAKER CONNECTED TO A SUFFICIENT AND SUITABLE POWER SUPPLY?
- IS THERE PROPER VENTILATION AROUND ALL SIDES OF THE ICE MAKER?
- HAS THE ICE MACHINE BEEN CLEANED INSIDE AND OUT?

- IS THE MACHINE CORRECTLY EARTHED?
- IS THE WATER TO THE ICE MAKER TURNED ON?
- IS THE POWER TO THE MACHINE SWITCHED ON?
- IS THE ICE MACHINE LOCATED IN A ROOM WITH AN AMBIENT TEMPERATURE BETWEEN 10°C AND 32°C?
- IS THE INLET WATER TEMPERATURE BETWEEN 7°C AND 20°C?
- IS THE WATER PRESSURE BETWEEN 1.4 AND 5.5 BAR?
- HAVE ALL USERS BEEN FULLY TRAINED IN THE OPERATION OF THE ICE MAKER?



OPERATING INSTRUCTIONS

⚠ WARNING

AFTER TURNING OFF YOUR ICE MAKER YOU MUST WAIT AT LEAST 3 MINUTES BEFORE RESTARTING TO AVOID DAMAGE TO THE COMPRESSOR

YOUR ICE MAKER FEATURES A TOUCH CONTROL DISPLAY. TO OPERATE THE CONTROLS LIGHTLY TOUCH THE PANEL WITH YOUR FINGER TIP. THE CONTROL PANEL ALSO FEATURES AN EASY TO READ DISPLAY WHICH INFORMS YOU OF THE STATUS OF THE MACHINE AT ALL TIMES.

DO NOT USE A POINTED OR SHARP OBJECT SUCH AS A PEN TO OPERATE THE TOUCH PANEL AS THIS CAN RESULT IN DAMAGE TO THE CONTROLS WHICH WOULD NOT BE COVERED UNDER WARRANTY.



DIGITAL DISPLAY

THE DIGITAL DISPLAY SHOWS THE AMBIENT TEMPERATURE, ICE MAKING TIME, CLEANING CYCLE COUNTDOWN TIMER AND DELAY ON-TIMER FOR THE ICE MAKER DEPENDING ON THE MODE SELECTED.

THERE ARE 5 ILLUMINATED LED INDICATORS WHICH SHOW THE ICE MAKER STATUS

RUNNING
ICE FULL
ERROR
TIMER
CLEANING

THERE ARE 5 CONTROL BUTTONS

POWER
CLEANING
TIMING
UP
DOWN

PLEASE REFER TO TABLE 1 FOR A FULL LIST OF ERROR CODES AND MEANINGS.

ICE PRODUCTION

TO START ICE PRODUCTION PRESS THE ON/OFF POWER BUTTON. THE POWER LED WILL ILLUMINATE GREEN AND THE AMBIENT ROOM TEMPERATURE (°C) WILL BE DISPLAYED IN THE DIGITAL DISPLAY.

THE COMPRESSOR AND FAN MOTOR WILL THEN START, AFTER 30 SECONDS THE PUMP WILL BEGIN TO DISTRIBUTE WATER ACROSS THE EVAPORATOR AND "00" WILL BE DISPLAYED ON THE DIGITAL DISPLAY. WHEN THE EVAPORATOR REACHES -5°C THE ICE MAKER PRODUCTION TIMER WILL START, THE DIGITAL DISPLAY WILL INCREASE IN 1 MINUTE INTERVALS UNTIL THE DESIGNATED ICE CYCLE TIME IS REACHED.

ONCE THE ICE PRODUCTION CYCLE TIME HAS COMPLETED THE MACHINE WILL SWITCH INTO HARVEST MODE, THE WATER PUMP WILL STOP AND THE HOT GAS BYPASS VALVE WILL ENERGISE TO RELEASE THE ICE FROM THE EVAPORATOR. THE DIGITAL DISPLAY WILL RETURN TO "00" AND WILL INCREASE IN 1 MINUTE INTERVALS UNTIL THE HARVEST CYCLE IS COMPLETE.

AFTER COMPLETING THE HARVEST CYCLE THE HOT GAS BYPASS VALVE WILL TURN OFF. IF THE ICE STORAGE BIN IS NOT FULL THE NEXT ICE PRODUCTION CYCLE WILL BEGIN AFTER A 6 SECOND DELAY.

NOTE: DURING THE FIRST ICE PRODUCTION CYCLE AFTER INITIAL POWER ON OR ICE BIN FULL THE WATER PUMP WILL WORK FOR 3 MINUTES AND THEN SWITCH OFF FOR 6 SECONDS BEFORE RESTARTING.

TO STOP ICE PRODUCTION PRESS THE ON/OFF POWER BUTTON AGAIN, THE POWER LED WILL FLASH AND THE DIGITAL DISPLAY WILL REVERT TO DISPLAYING THE ROOM AMBIENT TEMPERATURE.

IMPORTANT: PRESSING THE ON/OFF BUTTON DOES NOT TURN OFF POWER TO THE MACHINE. THE MACHINE MUST BE ISOLATED FROM THE MAINS ELECTRICITY BEFORE ANY SERVICE OR CLEANING IS UNDERTAKEN.

ICE THICKNESS ADJUSTMENT

TO INCREASE OR DECREASE THE ICE THICKNESS PRESS THE UP OR DOWN ARROWS WHEN THE ICE MAKER IS IN ICE PRODUCTION OR ICE FULL MODE. THERE ARE 5 ICE THICKNESS LEVELS, LEVEL 3 IS THE DEFAULT FACTORY SET THICKNESS, LEVEL 5 IS THE MAXIMUM, LEVEL 1 IS THE MINIMUM. WHEN THE NEW THICKNESS HAS SELECTED THE DISPLAY WILL FLASH 5 TIMES AND THE NEW VALUE STORED.

ICE FULL

WHEN THE STORAGE BIN IS FULL THE ICE FULL INDICATOR ILLUMINATES RED AND THE ICE MAKER WILL STOP ICE PRODUCTION AUTOMATICALLY. THE DIGITAL DISPLAY WILL REVERT TO DISPLAYING THE ROOM AMBIENT TEMPERATURE.

CLEAN

TO START A CLEAN CYCLE HOLD THE CLEAN BUTTON FOR 3 SECONDS AND RELEASE WHEN THE CLEAN ICON IS ILLUMINATED AND 05 IS SHOWN IN THE DIGITAL DISPLAY. THE 5 MINUTE CLEAN CYCLE WILL START, WHEN THE CLEAN CYCLE HAS FINISHED THE ICE MAKER WILL AUTOMATICALLY ENTER STANDBY MODE AND THE AMBIENT ROOM TEMPERATURE WILL BE DISPLAYED IN THE DIGITAL DISPLAY.

NOTE: THE CLEAN CYCLE WILL ONLY RUN WHEN THE MACHINE IS IN STANDBY MODE.

TIMER

THE ICE MAKER IS FITTED WITH A TIMER FUNCTION WHICH ALLOWS YOU TO SET HOW LONG THE ICE MAKER WILL RUN BEFORE ENTERING STANDBY MODE.

TO SET THE TIMER PRESS THE TIMING BUTTON FOR 3 SECONDS AND RELEASE WHEN THE TIMING LED IS ILLUMINATED AND THE DIGITAL DISPLAY IS FLASHING. USING THE UP AND DOWN ARROWS SELECT THE NUMBER OF HOURS YOU WOULD LIKE THE MACHINE TO RUN FOR UP TO A MAXIMUM OF 12 HOURS. ONCE THE TIMER IS SET THE DISPLAY WILL FLASH 5 TIMES AND ENTER ICE PRODUCTION MODE. THE ICE MAKER WILL THEN CONTINUE TO RUN UNTIL THE TIMER EXPIRES OR THE ICE STORAGE BIN IS FULL OF ICE.

TO CANCEL THE TIMER HOLD THE TIMING BUTTON AGAIN FOR 3 SECONDS, THE MACHINE WILL THEN ENTER STANDBY MODE. ALTERNATIVELY PRESSING THE POWER BUTTON WILL ALSO CANCEL THE TIMER AND THE MACHINE WILL ENTER ICE PRODUCTION MODE IMMEDIATELY.

NOTE: THE TIMING MODE CAN ONLY BE SELECTED WHEN THE MACHINE IS IN STANDBY MODE.

TABLE 1

ERROR CODE	POSSIBLE CAUSE
E1	WATER SHORTAGE OR INSUFFICIENT WATER PRESSURE
E2	HARVEST CYCLE TOO LONG
E3	CONDENSER SENSOR FAULTY
E4	EVAPORATOR SENSOR FAULTY
E5	AMBIENT SENSOR FAULTY
E6	CONDENSER TEMPERATURE TOO HIGH
E7	AMBIENT TEMPERATURE TOO HIGH OR TOO LOW
E8	ICE MAKING CYCLE TOO LONG

FOR FURTHER ASSISTANCE WITH THE ABOVE ERROR CODES PLEASE CONTACT YOUR AUTHORISED SERVICE PARTNER.

WARNING

ALTHOUGH THE ICE MAKER HAS BEEN TESTED AND CLEANED AT THE FACTORY DIRT AND PARTICLES MAY OF ENTERED THE SYSTEM DURING TRANSIT, UNPACKING AND INSTALLATION. DUE TO THIS IT IS IMPORTANT THAT ALL ICE PRODUCED DURING THE FIRST 3 HOURS IS DISCARDED.

HOW THE ICE MAKER WORKS

ICE MAKING STAGE: WHEN THE POWER ON BUTTON IS PRESSED THE MACHINE INITIALLY PERFORMS A RINSE TO FLUSH THE EVAPORATOR OF ANY CONTAMINANTS. WHEN THE RINSE CYCLE HAS FINISH THE COMPRESSOR, WATER PUMP AND CONDENSER FAN MOTOR WILL ENERGISE STARTING THE FREEZING CYCLE.

WATER IS THEN CIRCULATED OVER THE EVAPORATOR SURFACE FREEZING INTO ICE CUBES. WHEN THE PRESET THICKNESS IS REACHED AND THE ICE IS FULLY FORMED THE FREEZING CYCLE ENDS AND THE HARVEST CYCLE BEGINS.

HARVEST STAGE: DURING THE HARVEST CYCLE THE HOT GAS BYPASS VALVE IS OPENED AND HOT GAS IS CIRCULATED THROUGH THE EVAPORATOR. THIS ALLOWS THE ICE CUBES TO BE RELEASED FROM THE EVAPORATOR INTO THE STORAGE BIN. THE NEXT FREEZING CYCLE WILL BEGIN WHEN ALL THE CUBES HAVE FALLEN INTO THE STORAGE BIN UNLESS THE ICE FULL MODE IS ACTIVATED BY THE BIN FULL SENSOR.

ICE FULL STAGE: WHEN THE ICE STORAGE BIN IS FULL THE ICE CUBES WILL NOT BE ABLE TO FULLY RELEASE FROM THE EVAPORATOR AND WILL HOLD THE BIN FULL SENSOR OPEN. THE ICE MAKER WILL ENTER ICE FULL STAGE AND THE BIN FULL LED WILL ILLUMINATE AND A BLIP SOUND WILL BE EMITTED.

THE ICE MAKER WILL AUTOMATICALLY RESTART THE ICE MAKING STAGE WHEN ICE IS REMOVED FROM THE BIN AND THE BIN FULL SENSOR CAN RETURN TO ITS NORMAL POSITION.

 **WARNING**

ALWAYS TURN THE POWER OFF TO THE MACHINE BEFORE TURNING OFF THE WATER SUPPLY. IN THE EVENT OF A WATER SUPPLY FAILURE PLEASE DISCONNECT THE MACHINE FROM THE ELECTRICITY IMMEDIATELY

 **WARNING**

NEVER TOUCH THE EVAPORATOR SURFACE WHEN THE MACHINE IS RUNNING AS THIS MAY CAUSE INJURY TO THE USER

 **WARNING**

KEEP THE DOOR CLOSED AT ALL TIMES

MAINTENANCE AND CLEANING

PERIODIC CLEANING AND PROPER MAINTENANCE WILL EXTEND THE LIFE OF YOUR ICE MAKER, ENSURE MAXIMUM EFFICIENCY AND DELIVER BETTER TASTING ICE TO YOUR CUSTOMER.

 **WARNING**

DISCONNECT THE MACHINE FROM THE MAINS ELECTRICITY BEFORE PERFORMING ANY CLEANING OR MAINTENANCE

 **WARNING**

INSPECTION, DE-SCALING AND SERVICING SHOULD ONLY BE UNDERTAKEN BY A QUALIFIED ENGINEER

 **WARNING**

NEVER CLEAN THE ICE MAKER WITH A PRESSURE WASHER OR BY SPRAYING WATER

 **WARNING**

NEVER USE ACIDIC OR ABRASIVE DETERGENTS, THESE TYPES OF CLEANERS MAY TRANSFER TASTE AND ODOUR TO THE MACHINE AND THE ICE. THIS TYPE OF CLEANER MAY ALSO DAMAGE OR DISCOLOUR THE ICE MAKER.

 **WARNING**

NEVER CLEAN STAINLESS STEEL WITH A BLEACH BASED CLEANER AS THIS MAY CAUSE CORROSION ON THE STAINLESS STEEL.

EXTERIOR CLEANING

ALWAYS CLEAN THE EXTERIOR STAINLESS STEEL PARTS OF THE ICE MAKER WITH A MICRO-FIBRE CLOTH AND OR A SPONGE. ALWAYS CLEAN IN THE DIRECTION OF THE GRAIN OF THE STAINLESS STEEL.

DO NOT USE ABRASIVE OR METALLIC PRODUCTS (WIRE WOOL) WHICH COULD SCRATCH AND DAMAGE THE SATIN FINISH OF THE ICE MAKER PERMANENTLY.

USING A METALLIC CLEANING PRODUCT SUCH AS WIRE WOOL WILL DEPOSIT IRON PARTICLES INTO THE STAINLESS STEEL WHICH COULD CAUSE CORROSION OF THE STAINLESS STEEL FINISH.

INTERIOR CLEANING

CLEAN THE INTERIOR OF THE ICE BIN AND ALL REMOVABLE PARTS BY WASHING THEM WITH A SOLUTION OF LUKEWARM WATER AND A SMALL AMOUNT OF DISH-WASHING LIQUID. RINSE AND DRY IMMEDIATELY.

 **WARNING**

THE ICE STORAGE BIN IS FOR STORAGE OF ICE ONLY, NEVER STORE ANYTHING OTHER THAN ICE IN THE STORAGE BIN AS THIS IS A HEALTH HAZARD.

 **WARNING**

ALWAYS WASH YOUR HANDS BEFORE TAKING ICE FROM THE ICE MAKER

WATER DISTRIBUTOR CLEANING

IF YOUR ICE CUBES ARE NOT FORMING CORRECTLY OR THE OUTPUT OF ICE CUBES DROPS THE WATER DISTRIBUTOR MAY BE BLOCKED AND REQUIRE CLEANING.

DISCONNECT THE ICE MAKER FROM THE MAINS ELECTRICITY.

SLIDE THE AIR FILTER OUT FROM THE SIDE OF THE FRONT GRILL ASSEMBLY.

LOOSEN THE SCREWS FROM UNDERNEATH THE FRONT GRILL AND REMOVE THE PANEL.

REMOVE THE LOWER HINGE ASSEMBLY AND DOOR.

LOOSEN THE SCREWS HOLDING THE TOP COVER AT THE FRONT AND REAR AND REMOVE THE PANEL.

TAKE CARE WHEN REMOVING THE TOP COVER NOT TO DAMAGE THE WIRING FOR THE CONTROL PANEL.

THE WATER DISTRIBUTOR TUBE WILL BE VISIBLE, ROTATE THE TUBE SO THAT THE HOLES ARE FACING UPWARDS. CLEAN OUT THE HOLES WITH A SMALL BRUSH AND A SOLUTION OF WARM WATER AND MILD DETERGENT.

AFTER CLEANING RINSE THE TUBE WITH CLEAN WATER AND RETURN IT TO ITS ORIGINAL POSITION. REPLACE THE TOP PANEL, HINGE, DOOR, GRILL PANEL AND AIR FILTER.

PUT THE MACHINE THROUGH A CLEAN CYCLE TO ENSURE ALL DEBRIS IS FLUSHED THROUGH.

DISCARD ANY ICE MADE FOR THE FIRST 3 HOURS AFTER CLEANING TO ENSURE YOU HAVE DISPOSED OF ANY CONTAMINATED ICE.

 **WARNING**

WATER DISTRIBUTOR CLEANING MUST BE UNDERTAKEN BY A QUALIFIED ENGINEER.

 **WARNING**

DISCARD ANY ICE MADE FOR THE FIRST 3 HOURS AFTER WATER DISTRIBUTOR CLEANING.

AIR FILTER

THE ICE MAKER IS EQUIPPED WITH AN AIR FILTER TO PREVENT DIRT AND DUST ENTERING THE CONDENSER. IT IS IMPORTANT THAT THE AIR FILTER IS CLEANED TWICE A MONTH TO ENSURE EFFICIENT OPERATION OF THE ICE MAKER.

IMPORTANT: FAILURE TO CLEAN THE AIR FILTER WILL INVALIDATE YOUR WARRANTY AND MAY CAUSE A COMPONENT FAILURE.

TO CLEAN YOUR AIR FILTER SLIDE THE FILTER OUT FROM THE FRONT GRILL AND REMOVE ANY DUST OR DIRT USING A SOFT BRUSH AND A VACUUM CLEANER. IF THE AIR FILTER IS HEAVILY BLOCKED WE RECOMMEND USING WATER AND A MILD DETERGENT TO CLEAN THE FILTER.

IMPORTANT: AIR FILTER MUST BE CLEAN AND DRY BEFORE REPLACING INTO THE MACHINE.

IMPORTANT: DO NOT OPERATE YOUR ICE MAKER WITHOUT THE AIR FILTER IN PLACE

 **WARNING**

FAILURE TO CLEAN YOUR AIR FILTER COULD CAUSE COMPONENT FAILURE AND WILL INVALIDATE YOUR WARRANTY.

CONDENSER CLEANING

A DIRTY OR CLOGGED CONDENSER WILL PREVENT PROPER AIR FLOW. THIS WILL LEAD TO REDUCED EFFICIENCY, REDUCED ICE PRODUCTION AND AN INCREASE IN OPERATING TEMPERATURE WHICH MAY LEAD TO COMPONENT FAILURE. WE RECOMMEND THE CONDENSER IS CLEANED EVERY SIX MONTHS BY A QUALIFIED ENGINEER. TO CLEAN THE CONDENSER DISCONNECT THE ICE MAKER FROM THE MAINS ELECTRICITY. REMOVE THE SCREWS FROM THE BOTTOM PANEL AND GENTLY REMOVE THE GRILL. REMOVE DIRT AND DUST FROM THE CONDENSER FINS WITH A SOFT BRUSH AND VACUUM CLEANER. REATTACH THE FRONT GRILL AND RECONNECT POWER TO THE MACHINE.

⚠ WARNING

FAILURE TO CLEAN YOUR CONDENSER COULD CAUSE COMPONENT FAILURE AND WILL INVALIDATE YOUR WARRANTY.

⚠ WARNING

CONDENSER CLEANING MUST BE CARRIED OUT BY A QUALIFIED ENGINEER

ICE PRODUCTION SYSTEM

MINERALS AND LIME SCALE THAT ARE PRESENT IN THE WATER ARE REMOVED DURING THE FREEZING CYCLE AND WILL BUILD UP IN ICE PRODUCTION SYSTEM. CLEANING THE SYSTEM REGULARLY WILL HELP TO REMOVE THE LIME SCALE BUILD UP. WE RECOMMEND CLEANING THE ICE PRODUCTION SYSTEM EVERY SIX MONTHS WITH A CITRIC ACID SOLUTION.

⚠ WARNING

DE-SCALING MUST BE CARRIED OUT BY A QUALIFIED ENGINEER.

⚠ WARNING

WE RECOMMEND FITTING AN IN LINE WATER FILTER TO REDUCE LIME SCALE BUILD UP AND IMPROVE THE QUALITY AND TASTE THE ICE

⚠ WARNING

LIME SCALE BUILD UP WILL REDUCE THE EFFICIENCY OF THE ICE MAKER AND COULD LEAD TO COMPONENT FAILURE WHICH WOULD NOT BE COVERED UNDER WARRANTY

PREPARING YOUR ICE MAKER FOR LONG TERM STORAGE OR MOVING

IF THE ICE MAKER NEEDS TO BE STORED FOR A LONG PERIOD OF TIME OR IT NEEDS TO BE MOVED TO A NEW LOCATION THE WATER SYSTEM WILL NEED TO BE FULLY DRAINED.

PUT THE ICE MAKER INTO STANDBY MODE AND DISCONNECT THE UNIT FROM THE MAINS ELECTRICITY.

TURN OFF THE MAINS WATER SUPPLY AND DISCONNECT THE WATER INLET HOSE.

REMOVE ALL REMAINING ICE FROM THE STORAGE BIN.

DISCONNECT THE SILICON HOSE FROM THE WATER RESERVOIR TO TOTALLY DRAIN THE WATER SYSTEM. WHEN ALL WATER IS DRAINED RECONNECT THE HOSE TO THE WATER TANK.

CLEAN THE INSIDE OF THE ICE MAKER AND THOROUGHLY DRY THE INSIDE WITH PAPER TOWELS.

FOR TRANSPORTING TO A NEW LOCATION TAPE THE DOOR SHUT WITH A LOW TACK TAPE (MASKING TAPE).

FOR LONG TERM STORAGE LEAVE THE DOOR OPEN AT LEAST 50MM TO ALLOW FOR AIR FLOW INTO THE ICE MAKER. THIS WILL PREVENT MOLD AND MILDEW FORMING.

⚠ WARNING

AFTER LONG TERM STORAGE OR TRANSPORT YOU NEED TO FOLLOW ALL INSTRUCTIONS IN PART II OF THIS INSTRUCTION MANUAL WHEN REINSTALLING THE MACHINE.

TROUBLESHOOTING

SYMPTOM	POSSIBLE CAUSE	SUGGESTED SOLUTION
ICE PRODUCTION DOES NOT START	ICE MAKER NOT CONNECTED TO MAINS ELECTRICITY CORRECTLY	<ul style="list-style-type: none"> CHECK POWER IS ON AT THE SOCKET CHECK CABLE IS CORRECTLY PLUGGED IN CHECK FOR DAMAGE ON POWER CABLE, USE A QUALIFIED ENGINEER TO REPLACE IF NECESSARY
	MACHINE IS IN STANDBY	<ul style="list-style-type: none"> PRESS POWER ON/OFF BUTTON, DISPLAY SHOULD READ 00
	FUSE BLOWN OR CIRCUIT BREAKER TRIPPED	<ul style="list-style-type: none"> CHECK FUSE IN MAIN 13AMP PLUG CHECK FUSE OR CIRCUIT BREAKER AT MAIN DISTRIBUTION BOARD
	AMBIENT TEMPERATURE TOO HIGH	<ul style="list-style-type: none"> WAIT UNTIL AMBIENT TEMPERATURE DROPS BELOW 32°C
	WATER SUPPLY OFF OR WATER PRESSURE TOO LOW	<ul style="list-style-type: none"> CHECK THE WATER SUPPLY TO THE ICE MAKER IS TURNED ON CHECK THE WATER PRESSURE IS BETWEEN 1.4 AND 5.5 BAR - INCREASE WATER PRESSURE IF NECESSARY
	FLOAT VALVE NOT OPERATING	<ul style="list-style-type: none"> CLEAN FLOAT OR REPLACE IF NECESSARY
	LOOSE CONNECTION OR FAULTY CONTROL BOARD	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
COMPRESSOR IS RUNNING BUT ICE IS NOT BEING PRODUCED	REFRIGERANT LEAK	<ul style="list-style-type: none"> CHECK FOR REFRIGERANT LEAK AND REPAIR, RECHARGE SYSTEM AS PER THE DATA PLATE
	HOT GAS BYPASS VALVE HAS FAILED OPEN	<ul style="list-style-type: none"> CHECK AND REPLACE HOT GAS BYPASS VALVE
	BLOCKAGE IN SYSTEM	<ul style="list-style-type: none"> CLEAR BLOCKAGE, REPLACE FILTER DRIER AND RECHARGE SYSTEM AS PER THE DATA PLATE
	COMPRESSOR WIRING LOOSE OR DEFECTIVE	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
	LOOSE CONNECTION OR FAULTY CONTROL BOARD	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
NO WATER IN ICE PRODUCTION SYSTEM	WATER PUMP FAULTY	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
	FLOAT VALVE NOT OPERATING	<ul style="list-style-type: none"> CLEAN FLOAT OR REPLACE IF NECESSARY
	WATER PRESSURE TOO LOW OR WATER LEAK	<ul style="list-style-type: none"> CHECK THE WATER SUPPLY TO THE ICE MAKER CHECK THE WATER PRESSURE IS BETWEEN 1.4 AND 5.5 BAR - INCREASE WATER PRESSURE IF NECESSARY
	ICE PRODUCTION SYSTEM BLOCKED WITH LIME-SCALE	<ul style="list-style-type: none"> DE-SCALE AND CLEAN SYSTEM THOROUGHLY
	LOOSE CONNECTION OR FAULTY CONTROL BOARD	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
ICE PRODUCTION SLOW	CONDENSER OR AIR FILTER DIRTY	<ul style="list-style-type: none"> CLEAN AIR FILTER AND CONDENSER AS NECESSARY
	INADEQUATE AIR FLOW AROUND ICE MAKER	<ul style="list-style-type: none"> CHECK FOR ADEQUATE AIR FLOW ON ALL SIDES OF ICE MAKER
	CONDENSER FAN NOT WORKING	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
	HIGH AMBIENT TEMPERATURE	<ul style="list-style-type: none"> WAIT UNTIL AMBIENT TEMPERATURE DROPS BELOW 32°C
	ICE PRODUCTION SYSTEM BLOCKED WITH LIME-SCALE	<ul style="list-style-type: none"> DE-SCALE AND CLEAN SYSTEM THOROUGHLY
ICE NOT RELEASING FROM THE EVAPORATOR, ICE DOES NOT FALL INTO STORAGE BIN	MACHINE NOT LEVEL	<ul style="list-style-type: none"> CHECK MACHINE IS PERFECTLY LEVEL
	LOW AMBIENT TEMPERATURE	<ul style="list-style-type: none"> WAIT UNTIL AMBIENT TEMPERATURE INCREASES ABOVE 10°C
	HOT GAS BYPASS VALVE HAS FAILED CLOSED	<ul style="list-style-type: none"> CHECK AND REPLACE HOT GAS BYPASS VALVE
	EVAPORATOR SENSOR FAULTY	<ul style="list-style-type: none"> CHECK AND REPLACE AS NECESSARY
	LOOSE CONNECTION OR FAULTY CONTROL BOARD	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
ICE PRODUCTION DOES NOT STOP WHEN BIN IS FULL	BIN FULL SENSOR NOT WORKING	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
	LOOSE CONNECTION OR FAULTY CONTROL BOARD	<ul style="list-style-type: none"> CHECK FOR LOOSE CONNECTION, REPLACE IF NECESSARY
	BIN FULL SENSOR HAS LIME-SCALE BUILD UP	<ul style="list-style-type: none"> FULLY DE-SCALE ICE PRODUCTION SYSTEM
CLOUDY OR BADLY FORMED ICE CUBE	WATER DISTRIBUTOR DIRTY OR HAS LIME-SCALE BUILD UP	<ul style="list-style-type: none"> FULLY DE-SCALE AND CLEAN ICE PRODUCTION SYSTEM
	POOR INCOMING WATER QUALITY	<ul style="list-style-type: none"> CHANGE WATER SUPPLY OR FIT AN IN-LINE WATER FILTER

Please make note of your equipment details for future reference

Model Number

Serial Number

Date of purchase

Date of installation

Supplied by

Phone Number

SPECIFICATION

ICE PRODUCTION	22KG PER 24 HOURS
ICE STORAGE	7KG STORAGE BIN
VOLTAGE	230V/50HZ
RATED POWER	155W
CLIMATE CLASS	SN,N,ST
REFRIGERANT	R290
REFRIGERANT CHARGE	55G
UNIT DIMENSIONS	380 X 470 X 600 (W,D,H MM)
AMBIENT OPERATING AIR TEMPERATURE	10°C - 32°C
WATER SUPPLY TEMPERATURE	7°C - 32°C
WATER SUPPLY PRESSURE	1.4 - 5.5BAR

Prodis

Project Distribution Ltd
Unit 1 Sun Street
Stoke on Trent
United Kingdom
ST1 4JW
Tel: 01782 280289
www.project-distribution.co.uk
sales@project-distribution.co.uk

