#### **PROGRAMS**

MODEL	PREWASH	QUICK 30	ECO 50	SUPER 50	DELICATE	INTENSIVE 65	<b>HYGIENNE 70</b>	GLASS 19'	Glass 29'	14'
					40					
X11			Х			Х				
V4.2						 				
X12			Х	X		X				
X13		Х	Х	х		х				
X14		.,	Х	Х		х	X			
X14		Х	^	^		^	^			
X15	х	Х	Х	Х		Х	х			
X16	Х	х	Х	X	Х	х	х			
XIO	^	^	^	Α	^	^	^			
X14_5			Х	Х				Х	Х	Х
							1			1

#### **SELECTING AND STARTING PROGRAM AT POWER ON (BEFORE PROGRAM STARTS):**

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Select program	ON	OFF	OFF	OFF	OFF
Pressure of S/P button	OFF	ON	OFF	OFF	OFF

<sup>1/4</sup> Program duration is shown on display

#### **OPENING AND CLOSING DOOR (BEFORE PROGRAM STARTS):**

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Door open	ON	OFF	OFF	OFF	OFF
Door closed	ON	OFF	OFF	OFF	OFF

#### OPENING AND CLOSING DOOR DURING PROGRAM (NOT IN DR STEPS)

uring the program if the door is opened and re closed without any modifications at the program button and without the pressure of S/P button, the program continues. Washing program re starts after  $8\,$  if the measured temperature is equal or more than  $45^{\circ}\mathrm{C}$ 

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Door open	Blink	ON	OFF	OFF	OFF
Door closed	OFF	ON	OFF	OFF	OFF

#### **OPENING AND CLOSING DOOR DURING PROGRAM (IN DRY STEPS):**

During dry step: if the door is opened and re-closed, the program is ended.

COMMANDS	S/P	Wash	Dry	End
Door open	Blink	OFF	ON	OFF
Door closed	OFF	OFF	OFF	ON

#### OPENING AND CLOSING DOOR DURING PROGRAM (IN DRY STEPS) WITH DISPLAY:

During dry step: if the door is opened and re-closed, the program is continuied.

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Door open	Blink	OFF	OFF	ON	OFF
Door closed	OFF	OFF	OFF	ON	OFF

#### **OPENING AND CLOSING DOOR DURING PROGRAM (IN REGENERATION FIRST STEP):**

During regeneration and resin washing step: if the door is opened and re-closed, the program continues.

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Door open	Blink	OFF	OFF	ON	OFF
Door closed	OFF	OFF	OFF	ON	OFF

#### **OPENING AND CLOSING DOOR DURING PROGRAM (IN REGENERATION SECOND STEP):**

During regeneration and resin washing step: if the door is opened and re-closed, the program is ended.

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Door open	Blink	OFF	OFF	ON	OFF
Door closed	OFF	OFF	OFF	OFF	ON

#### **SELECTING AND STARTING PROGRAM AT DOOR OPENED (BEFORE PROGRAM STARTS):**

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Switch on	ON	OFF	OFF	OFF	OFF
Door open	ON	OFF	OFF	OFF	OFF
Select program	ON	OFF	OFF	OFF	OFF

#### TERMINATION OF A PROGRAM (END OF PROGRAM):

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
End of program	OFF	OFF	OFF	OFF	ON

· Only one digit "0" is shown on display

#### **CANCELING OF A PROGRAM (DURING PROGRAM):**

COMMANDS	S/P	Wash	Dry	End
Pressure of S/P button 3"	ON	OFF	ON	OFF
End of program	OFF	OFF	OFF	ON

#### **CANCELING OF A PROGRAM (DURING PROGRAM) WITH DISPLAY:**

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Pressure of S/P button 3"	ON	OFF	OFF	ON	OFF
End of program	OFF	OFF	OFF	OFF	ON

- · Display shows "1" during cancelation process.
- · Display shows only one digit "0" at the end of the cancelation process

# IF THE USERS PRESS THE PROGRAM BUTTON OR PRESS ANY BUTTON (AT THE END OF PROGRAM):

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
End of program	OFF	OFF	OFF	OFF	ON
Selection of new program or pressed option	ON	OFF	OFF	OFF	OFF
Pressure of S/P button	OFF	ON	OFF	OFF	OFF

· Display shows selected program duration

#### **MODIFICATION OF A PROGRAM WITHOUT RESET:**

COMMANDS	S/P	Wash	Dry	End
Washing cycle is in progress	OFF	ON	OFF	OFF
Pressure of S/P button	Blink	ON	OFF	OFF
Select new program	Blink	ON	OFF	OFF
Pressure of S/P button	OFF	ON	OFF	OFF

#### MODIFICATION OF A PROGRAM WITHOUT RESET (WITH DISPLAY):

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Washing cycle is in progress	OFF	ON/OFF	ON/OFF	ON/OFF	OFF
Pressure of S/P button	Blink	ON/OFF	ON/OFF	ON/OFF	OFF
Select new program	Blink	ON/OFF	ON/OFF	ON/OFF	OFF
Pressure of S/P button	OFF	ON/OFF	ON/OFF	ON/OFF	OFF

The program continues with the flow program but with the parameters (temperature, times) of the new program. In heating step: If temperature is over than the new desired temperature cut off of heating step and go on with the next step with new parameters.

If temperature is lower than the new desired temperature heat up water to the desired temperature level. In washing step: If the washing duration is over than the new program washing duration cut off washing step and go on with next step of new program.

If the washing duration is lower than the new program washing duration go on with washing step. When new program is selected, display duration is changed to same step of new program

#### **MODIFICATION OF A PROGRAM WITH RESET:**

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Washing cycle is in progress	OFF	ON/OFF	ON/OFF	ON/OFF	OFF
Pressure of S/P button 3"	OFF	OFF	OFF	ON	OFF
Drain of water	OFF	OFF	OFF	ON	OFF
End of Drain	OFF	OFF	OFF	OFF	ON
Select new program	ON	OFF	OFF	OFF	OFF

#### SWITCH OF THE MACHINE DURING PROGRAM AND BEFORE STARTING

**PROGRAM** When knob of machine is change to Power OFF position during stand by. All leds are OFF

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Before starting program	ON	OFF	OFF	OFF	OFF
Change to knob to "POWER OFF"	OFF	OFF	OFF	OFF	OFF
Select new program	ON	OFF	OFF	OFF	OFF
Pressure of S/P button	OFF	ON	OFF	OFF	OFF

When knob of machine is change to Power OFF position during stand by. All leds are OFF, display is OFF, Program is paused and All electrical components are stopped. After changing the knob to any program, before selected program is resumed

COMMANDS	S/P	Wash	Rinse (with display)	Dry	End
Washing cycle is in progress	OFF	ON/OFF	ON/OFF	OFF	OFF
Change to knob to "POWER OFF"	OFF	OFF	OFF	OFF	OFF
Select new program	OFF	ON/OFF	ON/OFF	OFF	OFF
Pressure of S/P button	Blink	ON/OFF	ON/OFF	OFF	OFF
Pressure of S/P button again	OFF	ON/OFF	ON/OFF	OFF	OFF

#### **CHILD LOCK (WITH DISPLAY):**

Child lock is enable/disabled by contemporary pressure of "+" and "-" buttons on the display card for 3". When lock is enabled, all leds are blink and Display shows "CL" once

When lock is disabled, all leds are blink and Display shows "CL" twice

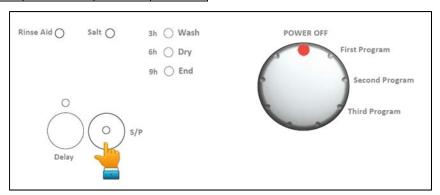
When lock is enabled and a button is touched, all leds are blink and Display shows "CL" twice

#### **WATER HARDNESS SET**

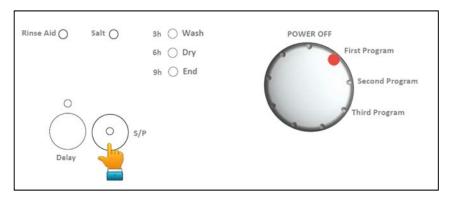
Only service can execute this procedure. This procedure erases the cycle counter.

• Select "POWER OFF" and pressure S/P button

1	FIX	OFF	OFF
2	OFF	FIX	OFF
3	OFF	OFF	FIX
4	FIX	FIX	OFF
5	FIX	OFF	FIX
6	OFF	FIX	FIX



• Select first program and continue press S/P button at least for 5".



- If "Hardness set" is recognized all leds blink once for 2".
- Release S/P button. The last setting level is viewed\*. (factory setting = level3)

• "SL" is shown on display for 2" (with display model)



• The last setting level is viewed\*. (factory setting = L03)



• User can adjust desired level with pushing "+" and "-" buttons ((with display model)



- Pressure S/P to set the desired level
- Hardness level 1 does not return after hardness level 6.
- Turn the knob to "POWER OFF" position to record last selected level and escape water hardness level
- If it is the first hardness set, hardness level is level 3.
- Water hardness cannot be adjusted while any program is running

#### **RINSE AID LEVEL SET**

While machine is off, press Start/Pause button. Select 7<sup>th</sup> position of knob. Continue to press Start/Pause button for 5". Then, rinse aid level set will be recognized and "rA" will shown on display. If model has not display, all leds blink twice to show rinse aid set is recognized.

Default rinse aid level is 4 which corresponds to 4,5 cc.

If the rinse aid tank is empty and user sets rinse aid level as 1(0cc), "lack of rinse aid" warning is not shown.

For models without display; rinse aid levels are the same with water hardness levels.

Level	Wash	End	S/P
1(0cc)	FIX	OFF	OFF
2(1,5cc)	OFF	FIX	OFF
3(3cc)	OFF	OFF	FIX
4(4,5cc)	FIX	FIX	OFF
5(6cc)	FIX	OFF	FIX

#### For models with display;

Level	Display
1(0cc)	r1
2(1,5cc)	r2
3(3cc)	r3
4(4,5cc)	r4
5(6cc)	r5

Sliding dispenser dosages are shown below in detail.

1 rinse aid dosage is performed when dispenser is ON during 8" and OFF during 8". =>1,5cc 2 rinse aid dosages are performed 8" ON-8" OFF-8" ON-8" OFF=>3cc

3 rinse aid dosages are performed 8" ON-8" OFF-8" ON-8" OFF-8" ON-8" OFF=>4,5cc

4 rinse aid dosages are performed 8" ON-8" OFF-8" ON-8" OFF-8" ON-8" OFF-8" ON-8" OFF

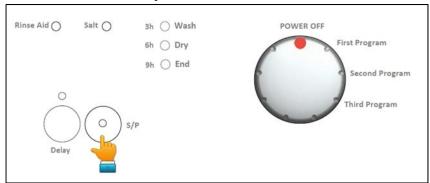
=>6cc

Action		Old		New(Sliding dispenser)	
Deterge	Detergent cover opening:		5"		0.3"
	Dose setting:	Manual ir	the dispenser	Automatic	in the software
		1 - 1cc		1 - Occ	OFF
		2 - 2cc	25"ON; 2"OFF; 25"ON For each setting from 1 to 6	2 - 1.5cc	8"ON; 8"OFF
		3 - 3cc		3 - 3cc	8"ON; 8"OFF
Rinse aid dose:	Dose quantity and time to delivery	4 - 4cc	; 2"OFI	4 - 4.5cc	8"ON; 8"OFF
		5 - 5cc	25"ON each s	5 - 6cc	8"ON; OFF
		6 - 6cc	.,	n/a	n/a
	Standard dose of rinse aid setting by manufacturer		itron manualy)	(4-4,5cc set	by software)

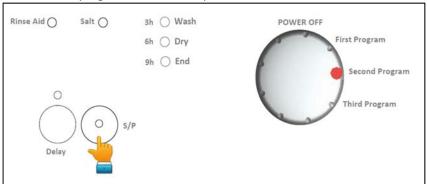
#### **SERVICE TEST**

Only service can execute this procedure.

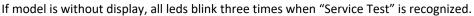
• Select "POWER OFF" and pressure S/P button



• Select second program and continue press S/P button at least for 5".



• When "Service test" is recognized all leds are ON and "SP" is shown on the display together without blinking.





- Service test starts.
- Turn the knob to "POWER OFF" position to escape service program
- Service test cannot be performed while any program is running

During the first 6" of test, if a failure code is stored in memory, its codification is shown. Error code blinks on display and all leds are OFF.

Also at the end of the test if an error occurs its error code is visualized.

#### FOR X AND X\_SLIM SERIES AND X\_WP SERIES:

Step	Commands	Time	Tested Load
0	Show code	6"	Before start, the code of last error is visualized (see below)
1	Drain	6"	Drain pump.
2	Fill (2,51)	~ 1′	Flow meter; Inlet Valve;
3	Fill + Wash (1lt)	1	Flow meter; Inlet Valve; Pressure Switch;
5	Wash	1'	Circulation pump; Regeneration Valve; detergent dispenser.
6	Wash + Heat ***	5'	Heater (PSW); NTC; diverter (position).
7/8	Reg. Valve	1'	Regeneration Valve
9	Drain	20"	Drain pump; pressure switch.
10	End	-	Code error or end led

#### FOR X\_WOP SERIES:

Step	Commands	Time	Tested Load
0	Show code	6"	Before start, the code of last error is visualized (see below)
1	Drain	6"	Drain pump.
2	Fill (2,51)	~ 1'	Flow meter; Inlet Valve;
3	Fill + Wash (1lt)	1	Flow meter; Inlet Valve;
5	Wash	1'	Circulation pump; Regeneration Valve; detergent dispenser.
6	Wash + Heat ***	5′	Heater (PSW); NTC; diverter (position).
7/8	Reg. Valve	1'	Regeneration Valve
9	Drain	20"	Drain pump; pressure switch.
10	End	-	Code error or end led

In service test the unsuccessful heating failure routine works with reduced time of recognize (first measure at 2'00", second measure at 4'20")

During the service test, the door is opened, start/pause led blinks

During the service test, the start/pause button is pressed, the program corresponding at the knob position starts.

Also at the end of the test if an error occurs its error code is visualized. Turn the knob to "POWER OFF" position to escape failure code.

Also at the end of the test if an error does not occurs any error code is not visualized. Machine will be standby that is selected second program

#### **SERVICE FAILURE CODES**

#### FOR X AND X SLIM SERIES AND X WP SERIES:

TOR X AND X_SERIES AND X_WT SERIES.					
Name	S_P	Wash	End	display	Notes
Overflow/Leakage	-	Blink	Blink	FO/F1	In the normal work only leakage is visualized.
Drain time out	Blink	-	Blink	F2	
Presence Flow meter impulses	-	-	Blink	F3	
Absence Flow meter imp.	-	Blink	-	F4	In the normal work is not visualized.
Empty Level	Blink	-	-	F5	
Re-Fill time out	Blink	-	-	F5	
NTC ca/cc	Blink	Blink	-	F6	
Overheating	Blink	Blink	-	F7	
Unsuccessful heating	Blink	Blink	-	F8	In the normal work is visualized at the end of prg
Parameter set salt incorrect	Blink	Blink	Blink	SE	In the normal work this failure is not visualized.
CK Parameters	Blink	Blink	Blink	FE	
HIGH/LOW VOLTAGE	Blink	Blink	Blink	HI/LO	

(You can read more details about the error codes on the next page. In this page, the difference of led combinations in error codes is explained in detail).

## Important reminders to know about LED lights combinations

#### **F6 AND F7 ERRORS**

If the machine is subjected to overheating due to an unknown cause, the temperature value dial indicating the temperature values rises and the NTC detects it. The NTC warns after it detects this, and after cutting off the energy, the S\_P and WASH led lights will light up at the beginning of the program and fail. Since the F6 and F7 errors are indirectly linked, they fail under the same conditions. The feature that distinguishes these two error codes from the F8 error code is that they fail at the beginning of the program. Another cause of the NTC error may be the socket defect in the NTC part. If S\_P and WASH leds fail at the beginning of the program under these conditions, the NTC part must be changed.

#### F8 ERROR

F8 error is the failure to heat. In the first 5 seconds, the machine measures the temperature, and if the temperature is less than 2 degrees, the S\_P and WASH led lights will light up together, but as I just mentioned, the most important feature of the F8 error is that it gives the error at the end of the program.

#### **SE ERROR**

The reason for the SE error is that the salt regeneration is not adjusted and it appears only at the beginning of the service program mode. For any other reason, it is impossible to see the SE error in any way. In the SE error, all leds blink together.

#### FE ERROR

The FE error is the electronic card error. According to my interview with the electronic card officials, no error code complaint has been encountered in any way as FE. Unfortunately, they can not find any definitions related to this, since electronic card problems are very diverse.

#### HIGH VOLTAGE ERROR

At high voltage, the machine will put itself on standby for 3 hours and give the error code. During this 3 hours, the WASH LED on the machine lights up but does not wash. The feature that distinguishes this error from SE and FE errors is that the led combinations are different. In the HI error, the led lights are in sequence: S\_P alone, then the WASH and END leds light up together, giving this error and this combination continues continuously.

#### **LOW VOLTAGE ERROR**

In this error code, the led lights are respectively: END led light alone, S P and WASH led lights together.

#### FOR X WOP SERIES:

Name	S/P	Wash	End	display	Notes
Overflow/Leakage	-	Blink	Blink	F0/F1	In the normal work only leakage is visualized.
Presence Flow meter impulses	-	-	Blink	F3	
Absence Flow meter imp.	_	Blink	-	FF	In the normal work is not visualized.
NTC ca/cc	Blink	Blink	-	F6	
Overheating	Blink	Blink	-	F7	
Unsuccessful heating	Blink	Blink	-	F8	In the normal work is visualized at the end of prg
Parameter set salt incorrect	Blink	Blink	Blink	SE	In the normal work this failure is not visualized.
CK Parameters	Blink	Blink	Blink	FE	
HIGH/LOW VOLTAGE	Blink	Blink	Blink	HI/LC	)

#### **FAILURE ROUTINES**

Name	Exit of failure state	Service Call	
Switch door open	Door closing	NO	
Delay after door closing	7" delay before restart prg in heating step	NO	
Overflow	Overflow signal gets off	NO	
Leakage	OFF/ON	YES	
Draining time out	OFF/ON	YES	
Presence of Flow meter impulses	Flow Meter signal gets off.	NO	
	OFF/ON.	YES	
Absence of Flow meter impulses	Pressure switch on Full.	NO*	
	Pressure switch on Empty. OFF/ON	NO/YES	
Level Empty	Level doesn't reach full	NO/YES	
Re-Fill	3 Re – fill in the same washing step	NO/YES	
NTC ca/cc	OFF/ON	YES	
Overheating	OFF/ON	YES	
Unsuccessful heating	OFF/ON	YES	
Diverter opened	OFF/ON	YES	
CK Parameters	OFF/ON	YES	
High Voltage Failure	OFF/ON	YES	
Low Voltage Failure	OFF/ON	YES	
	Switch door open Delay after door closing Overflow Leakage Draining time out Presence of Flow meter impulses  Absence of Flow meter impulses  Level Empty Re-Fill NTC ca/cc Overheating Unsuccessful heating Diverter opened CK Parameters High Voltage Failure	Switch door open  Delay after door closing  T" delay before restart prg in heating step  Overflow  Leakage  OFF/ON  Draining time out  Presence of Flow meter impulses  Flow Meter signal gets off.  OFF/ON.  Absence of Flow meter impulses  Pressure switch on Full.  Pressure switch on Empty. OFF/ON  Level Empty  Level doesn't reach full  Re-Fill  3 Re – fill in the same washing step  NTC ca/cc  OFF/ON  Overheating  OFF/ON  Unsuccessful heating  OFF/ON  CK Parameters  OFF/ON  High Voltage Failure  OVerflow signal gets off.  OFF/ON  Flow Meter signal gets off.  OFF/ON  Flow Meter signal gets off.  OFF/ON  OFF/ON	

<sup>\*</sup>Cycle could be executed with a filling time.

If a failure is recognized:

- Stop all devices
- Stop program flow.
- Drain Empty + 30" with circulation pump on

If the failure requires the termination of the washing program:

- Stop all the devices.
- Start to visualize the failure code.

If the failure doesn't require the termination of the washing program:

- Stop all the devices.
- Re-Start the washing program.

If it is necessary it performs the Re-Fill routine

#### **Re-Fill Routine**

After a forced drain (ex: a failure routine) if the dishwasher was in wash before the drain it performs the re-fill routine:

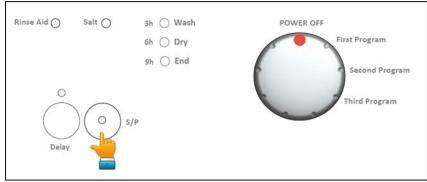
- Inlet Valve ON + circulation pump OFF to load 31 (time out 420")
- When the first load step is finished, Inlet Valve ON + circulation pump ON to load 11 (time out 100")
- Return to the washing cycle

#### **END TEST PROGRAM**

End test is divided in two parts: end test 1 (functionally test) and end test 2 (heating and leakage test). End test 1:

Vestel receives the electronic cards ready to start "end test 1". In any case, it's possible, re-start the end test 1 with a manual manoeuvre.

• Select "POWER OFF" and pressure S/P button



• Select third program and continue press S/P button at least for 3" or more.



- After 5", when "End test" is recognized all leds are ON and "EP" is shown on the display together for 2".
- Next; "188" is shown on the display and all leds are ON together for 2".



- End test starts.
- When Turn the knob to "POWER OFF" position, End test is not finished.
- After turn the knob to any position without "POWER OFF" End test started again.
- End test cannot be performed while any program is running
- At the end of end test 1, Machine will be stand by and any led is not shined

## **MEASUREMENT THE WATER HARDNESS**

#### **TEST STRIP**;

The washing effectiveness of your machine depends on the sofness of the tap water. For this reason, your machine is equipped with a system that reduces the hardness in mains water supply. The washing effectiveness will increase when the system is corrrectly set. To make the system setting, use the testing strip, if it is available, and find the hardness of the mains water supply.

Open the testing strip.	Run water through your tap for 1 min.	Keep the testing strip in water for 1 sec.	Shake the testing strip after taking it out of water.	Wait for 1 min.	Make your machine's water hardness setting according to the result obtained through the testing strip.
R.	minute	second		1 minute	Level 1 Very low lime content Level 2 Level 3 Low lime content Level 4 Medium lime content Level 5 Lime content Level 6 High lime content

## **FAILURE CODES (Possible Problems)**

## F1 (ALARM IS ACTIVE FOR OVERFLOW)

#### **FLOATER**

• Floater switch can be out order or have a problem with the cable connection.

#### TUB

• There can be a water leakage from the tub

#### **ELECTRONIC CARD**

• Electronic card can be out of order.

### F2 (THE WASTE WATER IN THE MACHINE CANNOT BE DISCHARGED)

#### Drain hose

- Water outlet hose is clogged
- Check of the water outlet hose position.

#### **Drain pump**

- Check the drain pump resistance and power values
- There can be a problem with cable connection of the drain

#### Pressure switch

 Pressure switch of the heater casing group can have a mechanical or cable connection problem.

## F3 (ERROR OF CONTINUOUS WATER INPUT)

#### Water inlet valve

• Water inlet valve can be out of order or cna not be closed.

#### **Electronic card**

• Electronic card can be out of order.

## **F4 (FLOWMETER FAULTY)**

#### **Flowmeter**

- Flowmeter can be out of order.
- Cable connection of flowmeter can be faulty.

#### **Electronic card**

• Electronic card can be out of order.

## F5 (INADEQUATE WATER SUPPLY)

#### Water tap

• Make sure the water input tap is totally open and that there is no water cut.

#### Water inlet hose

• Close the water input tap, seperate the water input hose from the tap and clean the filter at the connection end of the hose.

#### Water inlet valve

- Watger inlet valve filter can be clogged.
- Water inlet valve can be out of order. There can be a problem with the cable connection of water inlet valve.

#### **Floater**

• Floater switch can be out of order or have a problem with the cable connection.

#### Pressure switch

Pressure switch of the heater can have a mechanical or cable connection problem.

#### **Circulation pump**

• Circulation pump can be out of order or have a problem with the cable connection. External part can be blocked to the circulation pump.

## F6 (NTC FAULTY)

#### Ntc

- Ntc can be out of order.
- Ntc cable connection can be faulty. Ntc can be short or open circuit.

#### **Electronic card**

- Check the power and resistance value of heater.
- Check the cable connection of the heater.

## F7 (EXTREME HEATING UP FAULTY)

#### Ntc

• If the water temperature inside machine higher than 77°C, ntc can be out of order.

#### **Electronic card**

• Electronic card can be out of order.

## **F8 (INADEQUATE HEAT)**

#### Heater

- Check the power and resistance values.
- Check the cable connection of the heater.

#### **Electronic card**

• Check the electronic card

## F9 (DIVERTER POSITION PROBLEM)

#### **Diverter**

- Check the values of the diverter.
- Check the cable connection of the diverter.

#### **Electronic card**

• Check the electronic card

## **FA (TURBIDITY SENSOR FAULTY)**

#### **Turbidity sensor**

- There can be some soil around the turbidity sensor.
- Check the cable connection of the turbidity sensor.

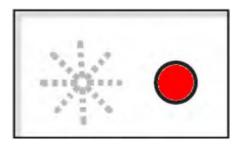
#### **Electronic card**

• Check the electronic card.

## **POOR DRYING**

- **a)** The programme which hasn't got a drying phase; could be selected the customers should be informed about the programmes.
- **b)** there might be lack of rinse aid compartment.

X series have rinse aid indicator on the control panel.



0

There isn't any rinse aid

there is rinse aid

- c) There can be mechanical or electrical problem with the detergant dispenser.
- **d)** There can be a problem on the PCB card.

# NECESSARY INFORMATION HAVE TO BE GIVEN TO USERS WHILE INSTALLING THE DISHWASHER

Customer should be informed about following items.

- Give general information to user about the product.
- General information about washing programmes and suggest to the customer using suitable program according to the dirtiness level.
- Give information about additional functions.
- Give information to the customer about starting the machine, following the program, resetting the program and changing the program.
- Give information about activate and inactive the child lock. Customers should be informed about the child lock will not be inactive automatically at the end of the
- **programme**.

Models haved ½ half load option;



In ½ option when only upper Lamp is flashed, only upper spray Will be in operation.



In ½ option, when only lower lamp is flashed, only lower spray will be On operation.



When both lamps are flashed, this Function is half load function. If the Customers have little amount of Dishes, they should use this function.

When both lamps are not flashed, It means the machine will continue normal operation. When the lamps are not flashing, does not mean spray arms are not rotating.

- The customers should be informed about looking at instruction manual at first, when they face to failure.
- After installing the machine to a suitable place, run it unloaded for the first time.

This should be recommended to the customers that they should search the instruction manual carefully when there is a possible repair.