

DESSALATOR DUO 100 WATERMAKER OPERATIONS CHECKLIST



WARNING
NEVER USE THE WATER MAKER IN A HARBOUR, OR IN DIRTY WATER
TURN OFF THE WATERMAKER, BEFORE ENTERING A HARBOUR OR AN AREA WITH DIRTY WATER
READ AND STUDY THIS CHECK LIST BEFORE USING THE WATER MAKER
USE OF THE WATER MAKER WITHOUT PROPER INSTRUCTIONS AND SIGNING THE TRAINING DECLARATION FORM IS PROHIBITED
DO NOT USE/OPERATE ANY VALVES OF THE WATER MAKER SYSTEM, BESIDE THE FRESH WATER TANK SELECTOR VALVE (IN THE ROOM BEHIND THE CONTROL PANEL OF THE SYSTEM)

I. OVERVIEW




1. Power Switch
2. Power Position "12V/24V" (Battery Power)
3. Power Position "OFF"
4. Power Position "230V" (Generator Power)
5. Regulating Valve
6. Control Light "Red" – Alarm
7. Control Light "Yellow" – Poor Quality (Device does not produce water)
8. Control Light "Green" – Good Quality (Device produces water)
9. Quantity Control
10. Pressure Meter (green is OK)
11. Operating Hours

DESSALATOR DUO 100 WATERMAKER OPERATIONS CHECKLIST



II. „TURN ON“ THE WATER MAKER

#	DESCRIPTION	REMARKS
A	CHECK WATER LEVEL IN WATER TANKS	ELECTRO PANEL IN SALOON, TANK 1 = PORT = 175 LTR, TANK 2 = STAR = 350 LTR
B	SELECT TANK TO BE FILLED-UP	PORTSIDE-REAR CABINE, SMALL DOOR (LOWER) OPPOSITE ENTRANCE TO TOILET, HANDLE AT THE RIGHT WALL (STERN SIDE). 
C	#5 REGULATING VALVE AT PANEL: TURN IT “ANTICLOCKWISE” TO THE STOP	
D	#1 TURN ON WATER MAKER TO #2 (12V/24V) or #4 (230V)	#7 : YELLOW CONTROL LAMP BLINKS
E	VERY IMPORTANT : LET FILL THE WATERMAKER WITH SALT WATER	WAIT UNTIL THE #6 RED LAMP AND THE #7 YELLOW LAMP BLINK TOGETHER. THIS MAY TAKE UP TO ONE MINUTE. NOT WAITING FOR THIS SIGNAL MAY DAMAGE THE MEMBRANES!
F	#5 REGULATING VALVE, TURN IT SLOWLY “CLOCKWISE” TO INCREASE THE PRESSURE IN THE SYSTEM	TURN IT SLOWLY UNTIL THE #10 INDICATOR IS POINTING TO THE GREEN AREA. #7 YELLOW LAMP SHOULD TURN-OFF, AND #8 GREEN LIGHT SHOULD TURN-ON.
G	FOR APPROX. ONE MINUTE, REGULATE THE PRESSURE WITH THE DIAL TO ENSURE OPTIMAL PRESSURE	VERY SLOWLY TURN THE #5 REGULATING VALVE IN BOTH DIRECTIONS
H	PERIODICALLY CHECK THE LEVEL IN THE WATER TANK (STEP A), AND ADJUST THE PRESSURE OF THE SYSTEM (STEP G)	

III. “TURN OFF” THE WATER MAKER – WITHOUT RINSING THE SYSTEM

#	DESCRIPTION	REMARK
1	#3 TURN OFF THE WATERMAKER (#1 MAIN SWITCH)	ALL LIGHTS WILL TURN-OFF, INCLUDING THE BLUE LIGHT AT THE MAIN SWITCH
2	TURN #5 REGULATING VALVE “ANTICLOCKWISE” TO THE STOP	

IV. “TURN OFF” THE WATER MAKER – WITH RINSING THE SYSTEM

BEFORE PERFORMING THIS CHECK-LIST, READ THE NEXT CHAPTER: “WHEN TO RINSE THE MEMBRANES”

#	DESCRIPTION	REMARK
---	-------------	--------

DESSALATOR DUO 100 WATERMAKER OPERATIONS CHECKLIST



1	TURN #5 REGULATING VALVE "ANTICLOCKWISE" TO THE STOP	#8 GREEN AND #6 RED LIGHT WILL TURN-ON
2	SYSTEM WILL RINSE AUTOMATICALLY FOR APPROX. 30 SECONDS TO ONE MINUTE	SYSTEM IS RINSING WITH FRESH WATER, ALL LIGHTS WILL TURN OFF, INCLUDING THE BLUE LIGHT AT THE MAIN SWITCH
3	#3 TURN OFF THE WATERMAKER (#1 MAIN SWITCH)	ALL LIGHTS WILL TURN-OFF, INCLUDING THE BLUE LIGHT AT THE MAIN SWITCH

V. WHEN TO RINSE THE MEMBRANES?

UPFRONT: IF YOU ARE UNCERTAIN IF YOU SHOULD RINSE THE SYSTEM OR NOT, THEN BETTER DON'T RINSE IT!

THE CORRECT INTERVAL FOR RINSING THE WATER MAKER IS DIFFICULT TO DEFINE. IT DEPENDS ON MANY FACTORS, SUCH AS:

- HOW LONG WAS THE WATER MAKER IN USE, OR WILL NOT BE IN USE
- LOCATION OF THE USAGE (DIRTY WATER, CLEAN WATER)
- AMBIENT TEMPERATURE
- AGE OF THE MEMBRANES, AND THE MICRO FILTER
- ETC.

WHEN THE WATER MAKER IS USED ON A DAILY BASIS, RINSE AT LEAST EVERY TWO WEEKS, OR WHEN THE WATER FLOW HAS DROPPED CONSIDERABLY.

IMPORTANT: RINSING TOO OFTEN WILL JEOPARDIZE THE MEMBRANE'S LIFE TIME. FRESH WATER IS AN ENEMY FOR THE MEMBRANES!

MOST IMPORTANT THINGS TO REMEMBER WHEN RINSING THE SYSTEM:

1. ALWAYS RINSE WITHOUT ANY PRESSURE IN THE SYSTEM (PRESSURE DIAL "ANTICLOCKWISE", TO THE STOP, SEE STEP #1 "TURN OFF WATER MAKER – WITH RINSING THE SYSTEM")
2. BEFORE USING THE SYSTEM AGAIN, MAKE SURE THAT FRESH WATER IS REPLACED BY SEA WATER BEFORE RE-PRESSURIZING THE SYSTEM (SEE STEP #E, "TURN ON WATER MAKER").