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SCHENKER DIVERTER VALVE WITH SALINITY AND CONDUCTIVITY PROBE 12V

Reference: 3WDVK/12

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Salinity probe. Measures the salinity and electrical conductivity of the water produced. Instructions appear on the remote panel if the measured value is not optimal.

Diverter valve. It is a solenoid valve that diverts the flow of water produced by the desalinator according to the value measured by the probe, thus avoiding introducing water with unwanted characteristics into the collection tank.

Electrical connections
The 2 probe cables must be connected to the computer box board, to the Salinity terminals. The 2 cables of the valve must be connected to the computer box board, to the Chem and (-) terminals.
Hydraulic connections
The valve must be mounted downstream of the fresh water production outlet of the desalinator and connected with it. Outlet 1 must be connected to the fresh water collection tank; outlet 2 must be connected to the drainage pipe of the water maker.

When you turn on the watermaker, when you press START, the valve starts up, diverting the production
of fresh water to the drain for 1 minute.
The message “DIVERT TO DISCHARGE” is displayed.< /p>

If the measured conductivity value is very high for at least 15 seconds, the message "DIVERT TO DISCHARGE" is displayed, the valve starts working and diverts the flow of water produced to the drain for 2 minutes and 45 seconds. After a total of 3 minutes the system goes into lockout, the message "BAD WATER QUALITY" appears on the display and can only be reset by pressing "STOP".
If during these 3 minutes the measured conductivity value falls within range S=MED or S=OK, the valve switches off in 10 seconds and the flow of fresh water produced resumes its normal path. The diverter valve can be bypassed by programming ”ON” in the VALVE SWITCH BY_PASS item in the
menu. The message “DIV.VALVE BY-PASS” appears on the display.
When the Start-Up operation is carried out, the valve diverts the flow of water produced to the drain. When automatic or manual washing operations are carried out, the valve does not start working