



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC
Electronic water level control										
Solenoid valve										

## ELECTRONIC WATER-LEVEL REGULATOR EWR 1, EWR 2 AND SOLENOID VALVES MV 0.5" 24V, MV 1" 24V

The EWR water-level regulator can be used for electronic water-level monitoring, and consequently for automatic top-up infeed of pool water, but it can also be used to switch off pump systems in the event of dry run.

### Product characteristics at a glance

- Electronically monitoring of water level
- Automatic top-up infeed of pool water
- Automatic switch off of pump technology when using water-level sensors incl. dry-run protection electrode

OASE solenoid valves to top-up pool water are installed in the fresh water infeed line of a pool system or in a water reservoir.

### Product characteristics at a glance

- For automatic regulation of the water level



Electronic water level control 1



Electronic water level control 2



Solenoid valve ½" 24 V

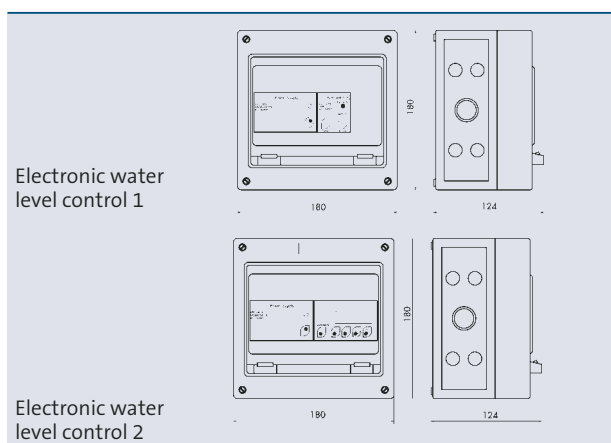


Solenoid valve 1" 24 V

The water-level control device essentially consists of an electronic water-level regulator, a water-level sensor, and a solenoid valve. Depending on the area of implementation individual components are available in different models.

In automatic mode, and if there is an empty pool, the solenoid valve in the fresh water in feed line opens and the water flows until it reaches the maximum electrode. As soon as the maximum electrode is reached a non-hazardous control current flows between the maximum electrode and the common electrode. This switches the solenoid valve off and water infeed is interrupted. If the water level drops to a level where the minimum electrode is no longer covered with water, the control current will be interrupted. The solenoid valve opens and allows water to flow until the water level has reached the maximum electrode and the control current flows again.

For greater reliability and safety there are only 24-Volt models.



		Electronic water level control 1	Electronic water level control 2
Dimensions (L x W x H)	[mm]	180 x 180 x 124	180 x 180 x 124
Housing		plastic	plastic
Protection class		IP 54	IP 54
Voltage	[V/Hz]	100-240/50-60	100-240/50-60
Output power			
Solenoid valve	[V/Hz]	230/50	230/50
	[A]	5.0	5.0
Solenoid valve	[V/DC]	24	24
	[A]	0.5	0.5
Pump	[V/Hz]	230/50	230/50
	[A]	5.0	5.0
Switch/Button		1	2
Indicator lights		1	1
Connections for electrodes		3	4
Dry-run protection		no	yes
Alarm monitoring		no	yes
Weight	[kg]	2.1	2.1
Order no.		51554	55846

		Solenoid valves ½" 24 V	Solenoid valves 1" 24 V
Dimensions (L x W x H)	[mm]	67 x 45 x 88	96 x 70 x 108
Function		normally closed	normally closed
Nominal diameter		½"	1"
Directions		2/2	2/2
Voltage	[V/DC]	24	24
Duty cycle		100 %	100 %
Protection class		IP 65	IP 65
Pressure range	[bar]	0.4 – 10	0.4 – 10
Material		brass	brass
Weight	[kg]	0.5	1.3
Order no.		51556	51557

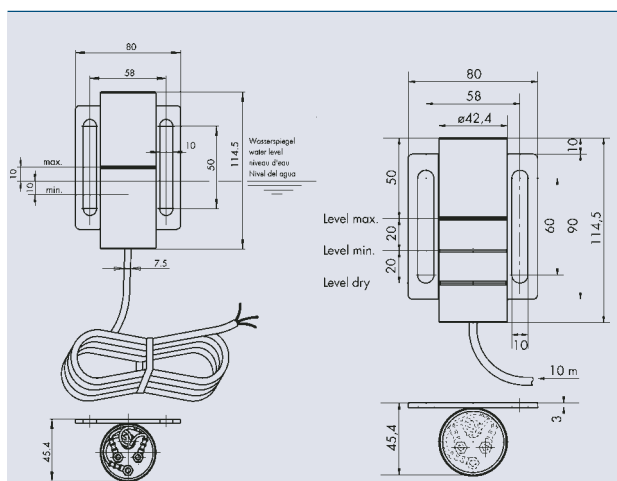


	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Water-Level Sensor													
Supplemental electrode													

## WATER-LEVEL SENSORS 20-3, 20-4 AND 2000-3/5

OASE water-level sensors ensure reliable control of the water level and thus prevent the pool from overflowing.

The Water-Level Sensor 2000-3/5 is designed for greater level differences of approximately 50 to 2000 mm, such as occur in water reservoirs.

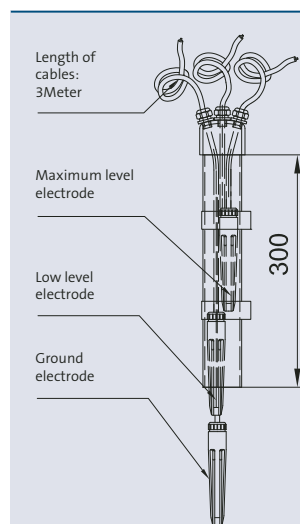


Water-Level Sensor 20-3

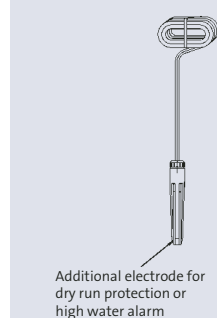
Water-Level Sensor 20-4



Water-Level Sensor 20-3



Water-Level Sensor 2000-3/5



Supplemental electrode 2000-1



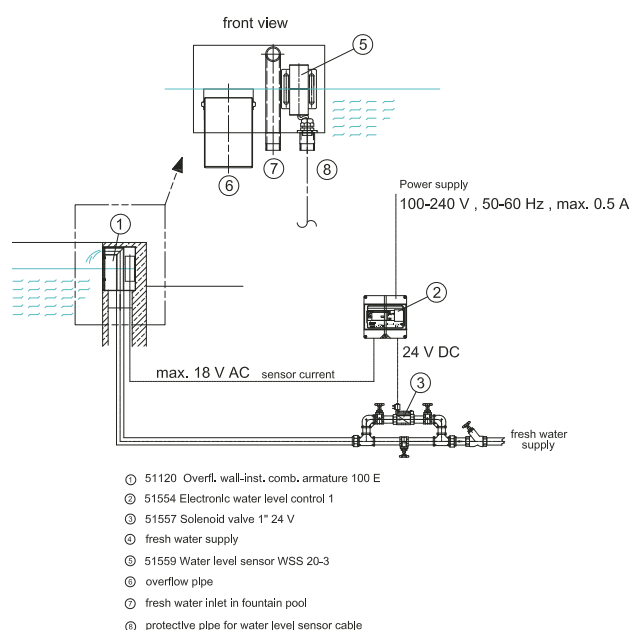
Water-Level Sensor 2000-3/5

The stainless steel housings of the Water-Level Sensor 20-3 and 20-4 also take on the function of the common electrode. The minimum and maximum electrodes are in the housing. The permanently set level difference is 20 mm. In addition the 20-4 has a dry-run protection electrode.

It can be retrofitted with a dry run protection electrode. The electrodes can be adjusted according to the level differences via the cable length. They give switch on and switch off commands to regulate the water level or to protect the pump technology (Supplemental electrode 2000-1).

### Product characteristics at a glance

- For automatic infeed and top-up feed of freshwater if the water level drops
- With dry-run protection and alarm function
- Compensates different water levels
- Robust and reliable technology
- Safe operation



### Accessories (must be ordered separately)

Electronic water level control 1 (see page 132)	51554
Electronic water level control 2 (see page 132)	55846
Solenoid valve ½ 24 V (see page 132)	51556
Solenoid valve 1 24 V (see page 132)	51557

	Water-Level Sensor 20-3	Water-Level Sensor 20-4
Dimensions (L x W x H)	115 x 80 x 46	115 x 80 x 46
Housing	stainless steel	stainless steel
Protection class	IP 68	IP 68
Electrodes	3	4
Common	1	1
Minimum	1	1
Maximum	1	1
Dry-run	-	1
Level difference	20	20
Cable length	10.0	10.0
Weight	2.2	2.3
Order no.	51559	53918

	Water-Level Sensor 2000-3/5	Supplemental electrode 2000 -1
Dimensions (L x W x H)	315 x 135 x 150	150 x 125 x 75
Housing	plastic	plastic
Protection class	IP 68	IP 68
Electrodes	3	1
Common	1	-
Minimum	1	-
Maximum	1	-
Dry-run	-	1
Level difference	max. 2500	max. 2500
Cable length	3.0	3.0
Weight	2.5	0.3
Order no.	55845	55843