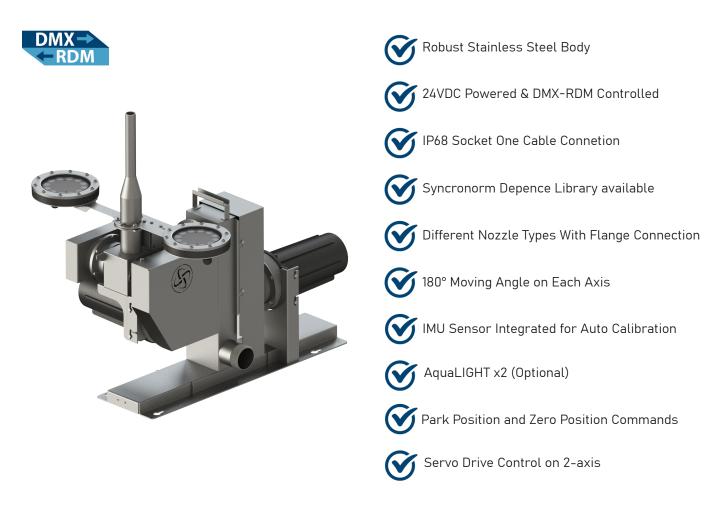
### AquaROBO The Art of Water Dance



Enhance your animated fountain with our moving nozzles, designed to bring water to life! These advanced nozzles create dynamic, choreographed water patterns that dance and swirl, captivating audiences with their fluid motion. Ideal to catch the rhytms of music for animated fountains projects. With easy integration and reliable performance, they are the perfect addition to any animated fountain, transforming your water feature into an incredible visual attraction.



# AquaR0B0

**NOZZLE TYPE** 







	P 11				
l/ min	bar	l/ min	bar	l/ min	bar
88	0.25	115	0.28	124	0.30
109	0.32	141	0.40	160	0.47
141	0.68	200	0.57	240	0.76
175	0.91	256	0.84	300	1.12
200	1.24	294	1.28	350	1.55
226	1.55	335	1.57	420	1.82
		360	1.91	443	2.30
		420	2.62	550	2.90
	I/ min 88 109 141 175 200	I/ minbar880.251090.321410.681750.912001.24	I/min bar I/min   88 0.25 115   109 0.32 141   141 0.68 200   175 0.91 256   200 1.24 294   226 1.55 335   360 360	I/min bar I/min bar   88 0.25 115 0.28   109 0.32 141 0.40   141 0.68 200 0.57   175 0.91 256 0.84   200 1.24 294 1.28   226 1.55 335 1.57   360 1.91 360 1.91	I/min bar I/min bar I/min   88 0.25 115 0.28 124   109 0.32 141 0.40 160   141 0.68 200 0.57 240   175 0.91 256 0.84 300   200 1.24 294 1.28 350   226 1.55 335 1.57 420   360 1.91 443 300 300

### **TECHNICAL DETAILS**

MODEL :	AquaR0B0
DIMENSION (LxMxH) :	600x727x730 mm
MATERIAL :	Stainless Steel
WEIGHT :	18 kg
POWER & DMX :	Combo Cable
WATER INLET :	2" NPT
NOZZLE OUTPUT :	1 ½"
MAX PRESSURE :	3.3 Bar
CURRENT :	2 A
POWER :	48 W
VOLTAGE :	24 VDC
PRODUCT NO :	1000

#### COMPATIBLE ELEMENTS AND ACCESSORIES

PRODUCT GROUP	SEE		
Nozzles :	Accessory nozzles		
Connection :	Connection accessories		
Controling :	Control accessories		
Holder and Stand :	Holder and Stand Accs.		
Lighting :	Lighting Series		

AquaROBO delivers an exceptional Water Dance Show with its advanced motion capabilities, moving 180 degrees on both axes. Powered by servo motors and controlled by a highly accurate 9-dof IMU sensor, it ensures smooth and perfect mechanical movements. IMU technology, used in aircraft and drones, provides precise speed and direction data, allowing exact nozzle positioning through dead reckoning.

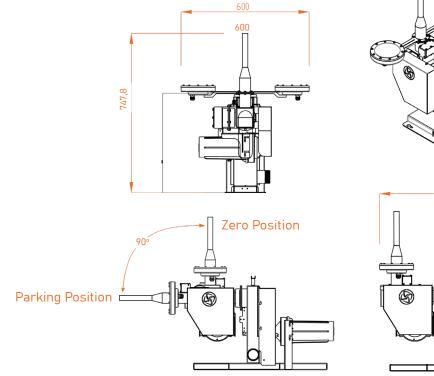
AquaROBO's Motion Control System and optional lighting unit operate independently, but power and data signals are combined for efficient performance. This integrated Power & Data cable system is a key advantage over competitors. All connections utilize AquaTronic's waterproof sockets with double O-ring seals, ensuring faultless operation. This innovative approach provides both reliability and high performance. AquaROBO is designed to withstand extreme conditions, making it versatile for various environments. Its sophisticated technology and robust construction make AquaROBO a leader in water dance shows.

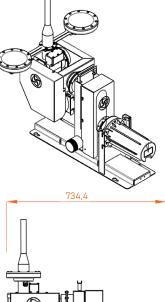
## AquaROBO The Art of Water Dance



IMU application, which is also used in aircraft, drones, and even guided missiles, has a high accuracy rate. With its full name, an Inertial Measurement Unit (IMU) uses accelerometers and gyroscopes to get information about speed and direction. This information is sent to the control card, and the processor on the card determines the location of the nozzle using the dead reckoning method. Thanks to the inventor of this system, we know the exact position of our nozzle during each step.

#### Schematic :





# AquaR0B0





AquaROBO Motion Control System and optional lighting unit are separated. However, Power and Data signals are combined together. This combo (Power & Data) cable structure is one of our main superiorities compared to companies in the same branch. All connections are made by AquaTronic-designed waterproof sockets. The double O-ringed socket connections eliminate faults.

### **Electrical Connection Schematic :**

