

Aquaswitch - AS Series

Function

The Aquaswitch is a fast acting device that switches the flow of water supply from one outlet to another within a fraction of a second with no water hammer to the piping. Water level independent Aerator jet, Precision jet, Mini Column Jet or Mini Precision Jet can be fixed on the Aquaswitch to provide the desired effects as required.

The Aquaswitch does not have any moving parts other than a solenoid which controls air intake to the activating ports in the device. Air is introduced via an air hose to two ports. The solenoid valve transfers air intake from one port to the other allowing the water flow inside the device to switch direction from one outlet to another through a process called the "Coanda effect".

Filtered water is essential for the Aquaswitch performance and reliability. A 120 mesh / 130 microns screen discharge filter is recommended on the delivery line to avoid clogging of the device. A stainless steel stand provides angle and position adjustments during and after installation. Available in 24V DC or AC and in 1" connection. Can be used dry or submerged up to maximum water level as shown.



Specifications

Power

5W

Voltage

24V DC

(24V AC 50 - 60Hz available on request)

Cable

3 C - 1 mm²

Standard Cable Length

2 m

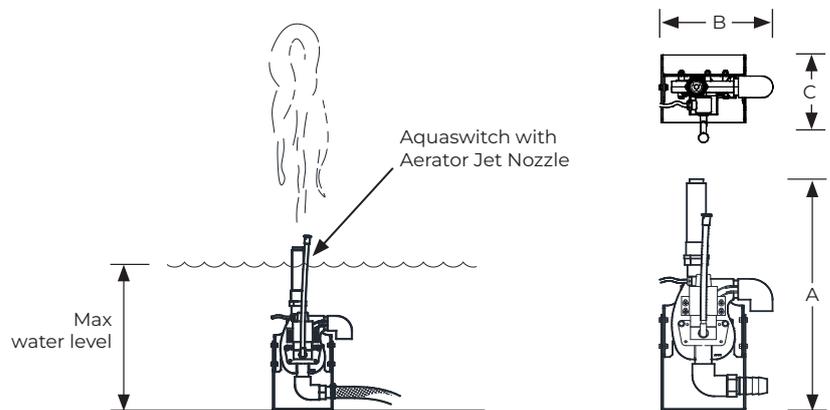
(Custom length available on request)

Material:

Plastic body with Stainless steel 316 stand & fittings, Brass or Stainless steel 316 nozzle.

Protection Rating:

IP 68

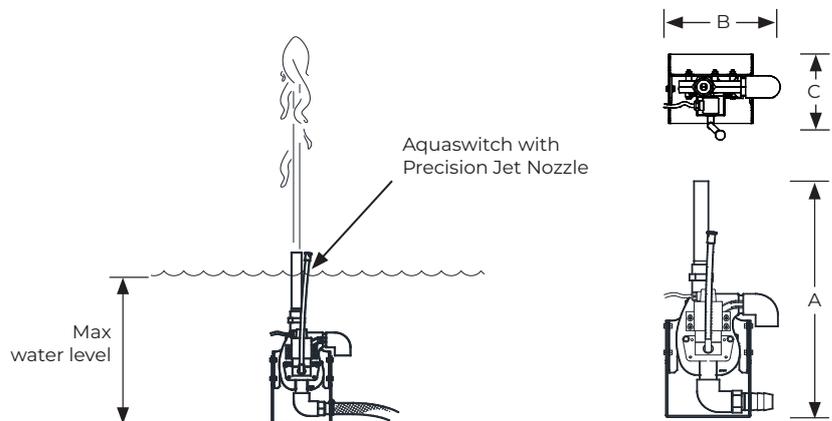


Aquaswitch with Aerator Jet Nozzle

Model No.	Nozzle Type	Inlet (BSP)	A (mm)	B (mm)	C (mm)	Max water level (mm)	Spray Height (m)	0.5	1	1.5	2	2.5	3	3.5
AS-AJI-100	1" Aerator Jet	1"	423 - 453	211	123	420	Flow (LPM)	26	32	38	44	48	52	
							Head (m)	2.8	5.1	7.4	9.7	12	14.3	

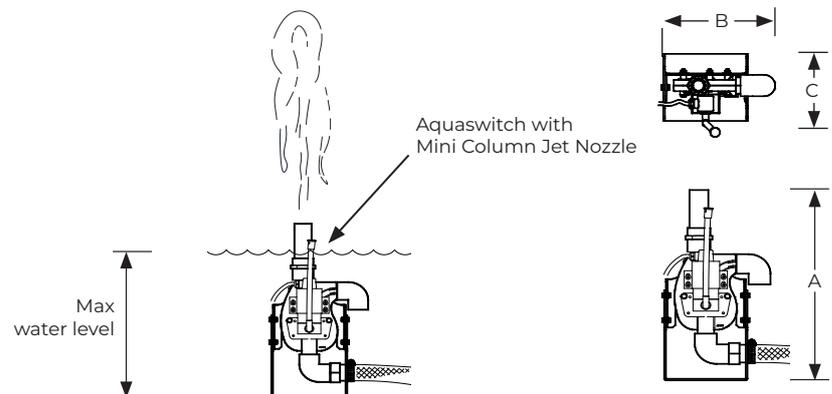
Aquaswitch	AS Series	Model No. AS	Rev. 2	
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Aquaswitch with Precision Jet Nozzle

Model No.	Nozzle Type	Inlet (BSP)	A (mm)	B (mm)	C (mm)	Max water level (mm)	Spray Height (m)	0.5	1	1.5	2	2.5	3	3.5
								Flow (LPM)	31.8	36.6	41.4	46.2	51	56
AS-PJS-100	1" Precision Jet	1"	446 - 476	211	123	440	Head (m)	4.4	6.8	9.2	11.6	14	16.4	

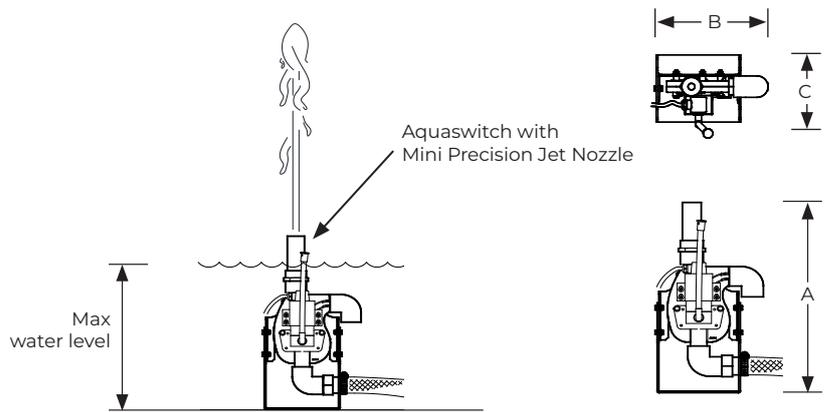


Aquaswitch with Mini Column Jet Nozzle

Model No.	Nozzle Type	Inlet (BSP)	A (mm)	B (mm)	C (mm)	Max water level (mm)	Spray Height (m)	0.5	1	1.5	2	2.5
								Flow (LPM)	35.8	41.8	47.9	53.9
AS-CLM-100S	Mini Column Jet	1"	361 - 391	211	123	355	Head (m)	5.5	8.3	11	13.8	16.5

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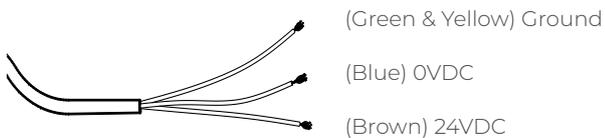
Aquaswitch - AS Series



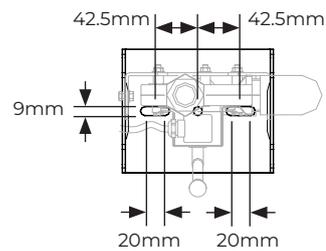
Aquaswitch with Mini Precision Jet Nozzle

Model No.	Nozzle Type	Inlet (BSP)	A (mm)	B (mm)	C (mm)	Max water level (mm)	Spray Height (m)	0.5	1	1.5	2	2.5
AS-PJS-100S	Mini Precision Jet	1"	361 - 391	211	123	355	Flow (LPM)	27.5	34.1	40.7	46.2	
							Head (m)	3.3	5.7	7.7	9.9	

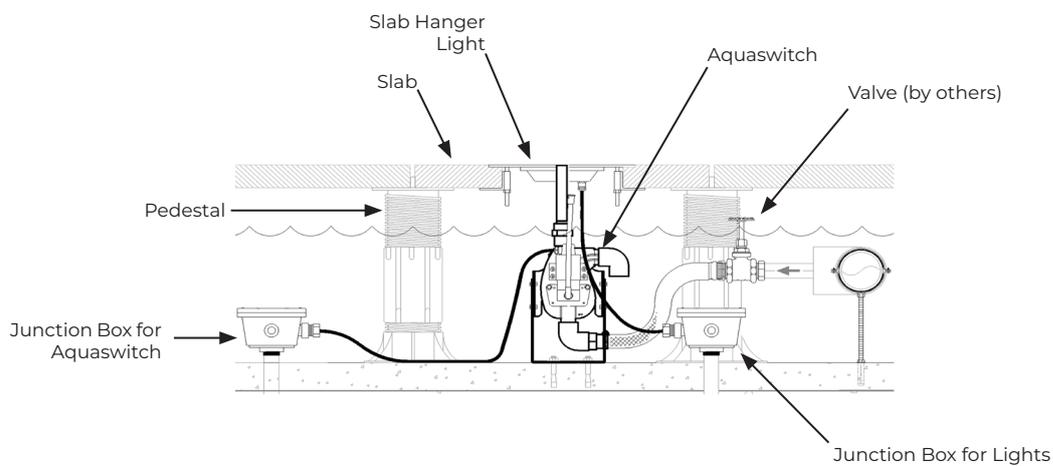
Aquaswitch Cable Connection



Stand hole measurement



Typical Installation



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