Niched Aquaswitch - NAS Series

Function

The Niched Aquaswitch is designed for interactive fountains. Supplied pre-assembled complete with Column jet or Precision jet, Aquaswitch, LED light, integrated junction box and drain outlet for easy installation. The stainless steel niche is designed for poured concrete dry deck fountain & walkable applications. The LED light is available in RGBW or white colour, DMX controlled for sequencing effects.

The Aquaswitch does not have any moving parts other than a solenoid which controls air intake to the activating ports in the device. 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.

Specifications

Light Power
30 - 35W

Light Voltage
12 - 24V DC

Light Colours
RGBW / White

Light Material:
Stainless steel 316

Light Front Cover:
Polycarbonate clear cover

Light Cable
4 C - 1 mm² (DMX light)
2 C - 1.5 mm² (White light)

Light Cable Length
2 m (H07RN-F)
(Custom length available on request)

Junction Box
Cast Bronze with cord seals

Aquaswitch Power
5W

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

Aquaswitch Cable
3 C - 1 mm²

Aquaswitch Material
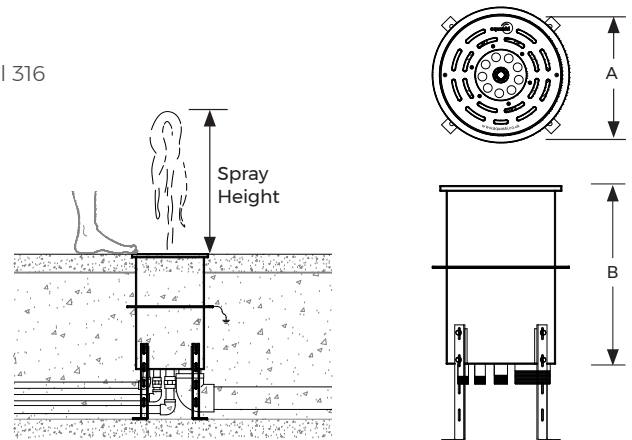Plastic body with Stainless steel 316 nozzle.

Niche & Cover Material
Stainless steel 316

Connection Sizes (Male)
1" BSP Inlet connection
3/4" BSP Electrical connections
3" BSP Drain connection

Protection Rating:
Light: IP 68, IK 10
Aquaswitch: IP 68
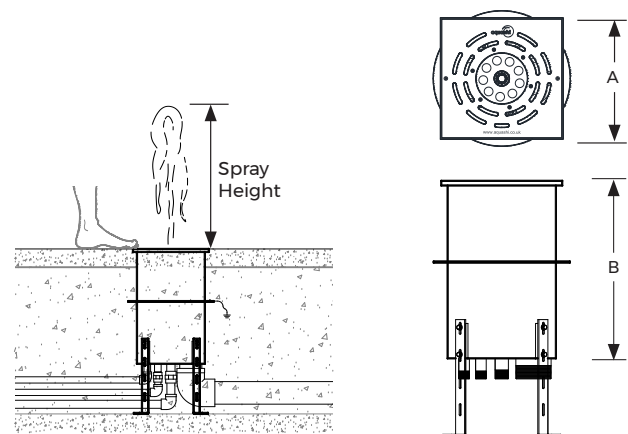Junction Box: IP 68

Round Niched Aquaswitch with Column Jet Nozzle

Model No.	Nozzle Type	Slab Hanger Shape	Light Colour	Light Control	Light Power (W)	Luminous Flux (lm)	A (mm)	B (mm)	Spray Height (m)	0.5	1	1.5	2	2.5
NAS-S035R-CLM-100	Column Jet	Round	RGBW	DMX	35	1369	305	462	Flow (LPM)	35.8	41.8	47.9	53.9	60
									Head (m)	5.5	8.3	11	13.8	16.5
NAS-S031R-CLM-100	Column Jet	Round	Cool white	On/off	30	2118	305	462	Flow (LPM)	35.8	41.8	47.9	53.9	60
									Head (m)	5.5	8.3	11	13.8	16.5
NAS-S032R-CLM-100	Column Jet	Round	Warm white	On/off	30	1871	305	462	Flow (LPM)	35.8	41.8	47.9	53.9	60
									Head (m)	5.5	8.3	11	13.8	16.5

* Add suffix DMX to model number to order DMX controlled white light. i.e. NAS-S032R-CLM-100-DMX
* Add suffix AUTO to model number to order Auto colour changing effect for RGBW light. i.e. NAS-S035R-CLM-100-AUTO

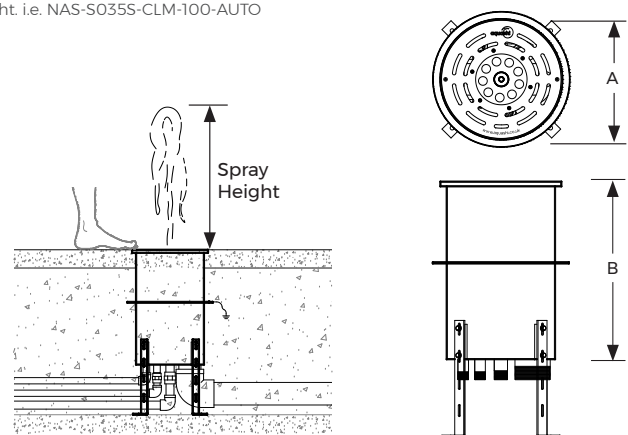| Niched Aquaswitch	NAS Series	Model No. NAS	Rev. 1	
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Niched Aquaswitch - NAS Series

Square Niched Aquaswitch with Column Jet Nozzle

Model No.	Nozzle Type	Slab Hanger Shape	Light Colour	Light Control	Light Power (W)	Luminous Flux (lm)	A (mm)	B (mm)	Spray Height (m)	0.5	1	1.5	2	2.5
NAS-S035S-CLM-100	Column Jet	Square	RGBW	DMX	35	1369	305	462	Flow (LPM)	35.8	41.8	47.9	53.9	60
									Head (m)	5.5	8.3	11	13.8	16.5
NAS-S031S-CLM-100	Column Jet	Square	Cool white	On/off	30	2118	305	462	Flow (LPM)	35.8	41.8	47.9	53.9	60
									Head (m)	5.5	8.3	11	13.8	16.5
NAS-S032S-CLM-100	Column Jet	Square	Warm white	On/off	30	1871	305	462	Flow (LPM)	35.8	41.8	47.9	53.9	60
									Head (m)	5.5	8.3	11	13.8	16.5

* Add suffix DMX to model number to order DMX controlled white light. i.e. NAS-S032S-CLM-100-DMX
* Add suffix AUTO to model number to order Auto colour changing effect for RGBW light. i.e. NAS-S035S-CLM-100-AUTO
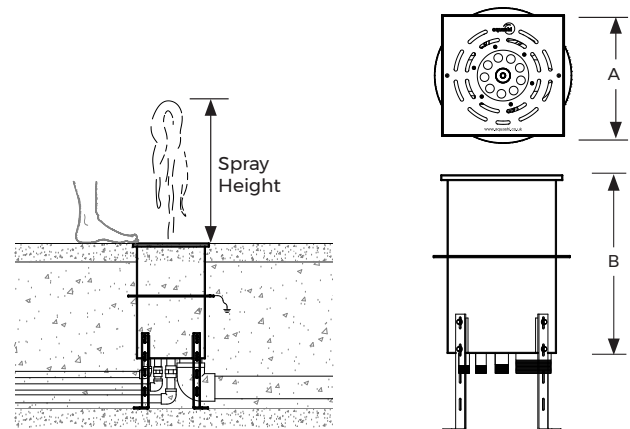
Round Niched Aquaswitch with Precision Jet Nozzle

Model No.	Nozzle Type	Slab Hanger Shape	Light Colour	Light Control	Light Power (W)	Luminous Flux (lm)	A (mm)	B (mm)	Spray Height (m)	0.5	1	1.5	2	2.5
NAS-S035R-PJS-100	Precision Jet	Round	RGBW	DMX	35	1369	305	462	Flow (LPM)	27.5	34.1	40.7	46.2	51.7
									Head (m)	3.3	5.7	7.7	9.9	13.2
NAS-S031R-PJS-100	Precision Jet	Round	Cool white	On/off	30	2118	305	462	Flow (LPM)	27.5	34.1	40.7	46.7	51.7
									Head (m)	3.3	5.7	7.7	9.9	13.2
NAS-S032R-PJS-100	Precision Jet	Round	Warm white	On/off	30	1871	305	462	Flow (LPM)	27.5	34.1	40.7	46.7	51.7
									Head (m)	3.3	5.7	7.7	9.9	13.2

* Add suffix DMX to model number to order DMX controlled white light. i.e. NAS-S032R-PJS-100-DMX
* Add suffix AUTO to model number to order Auto colour changing effect for RGBW light. i.e. NAS-S035R-PJS-100-AUTO

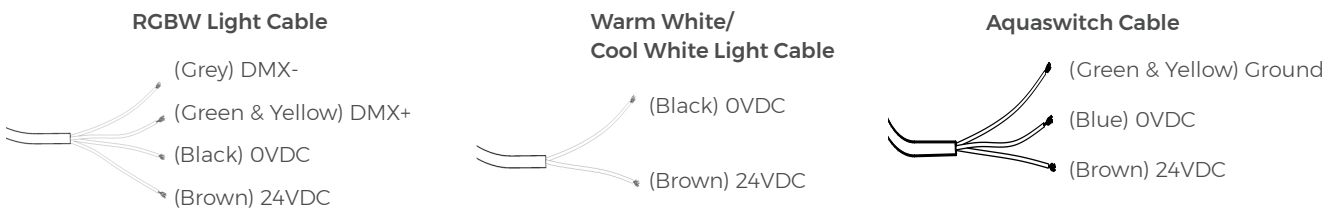| Niched Aquaswitch	NAS Series	Model No. NAS	Rev. 1

Niched Aquaswitch - NAS Series

Square Niched Aquaswitch with Precision Jet Nozzle

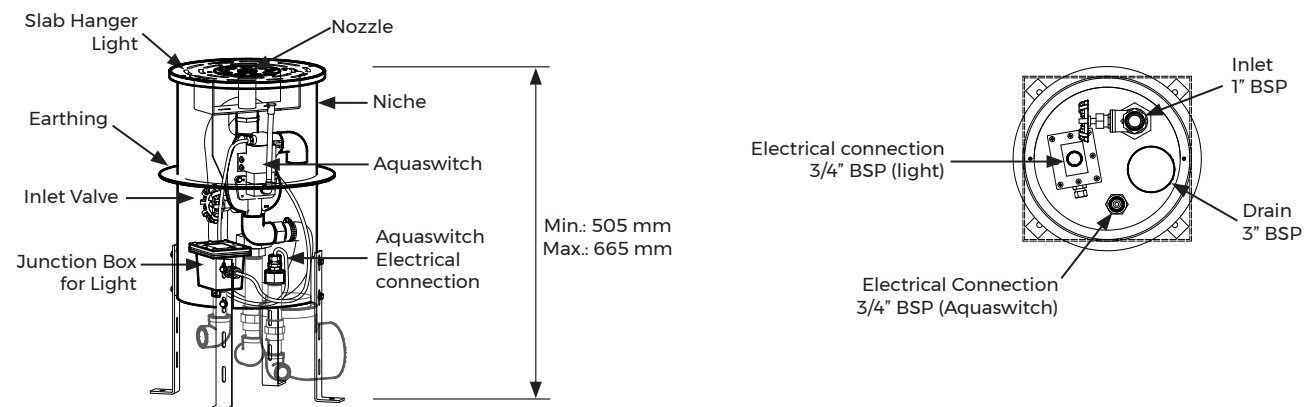| Model No.	Nozzle Type	Slab Hanger Shape	Light Colour	Light Control	Light Power (W)	Luminous Flux (lm)	A (mm)	B (mm)	Spray Height (m)	0.5	1	1.5	2	2.5
NAS-S035S-PJS-100	Precision Jet	Square	RGBW	DMX	35	1369	305	462	Flow (LPM)	27.5	34.1	40.7	46.2	51.7
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* Add suffix DMX to model number to order DMX controlled white light. i.e. NAS-S032S-PJS-100-DMX
* Add suffix AUTO to model number to order Auto colour changing effect for RGBW light. i.e. NAS-S035S-PJS-100-AUTO

Connection Diagram

RGBW Light Cable

(Grey) DMX-

(Green & Yellow) DMX+

(Black) 0VDC

(Brown) 24VDC

Warm White/ Cool White Light Cable

(Black) 0VDC

(Brown) 24VDC

Aquaswitch Cable

(Green & Yellow) Ground

(Blue) 0VDC

(Brown) 24VDC

Niched Aquaswitch Parts

Slab Hanger Light

Nozzle

Earthing

Niche

Inlet Valve

Aquaswitch

Junction Box for Light

Aquaswitch Electrical connection

Min.: 505 mm
Max.: 665 mm

Inlet 1" BSP

Electrical connection 3/4" BSP (light)

Drain 3" BSP

Electrical Connection 3/4" BSP (Aquaswitch)

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