

AQUANET®

The professional line of valves

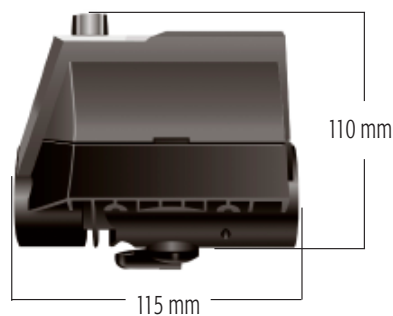
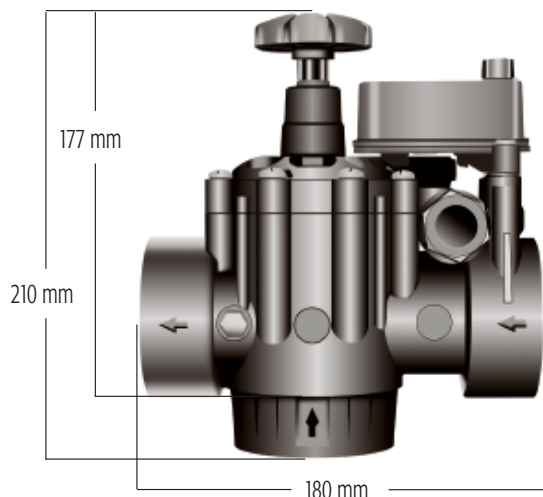
Applications

- For residential and commercial irrigation systems
- Where electricity is not available (DC models)
- Can handle low quality water applications
- Operates between 0°C-66°C

Features & Advantages

- Handles a wide range of pressure & water flow.
- Manual selector: CLOSE-AUTO-OPEN.
- Optional built-in pressure regulator in 1½" and 2" models.
- Lowest energy consumption for maximal wire distance.
- Flow Control Stem – standard in all models.
- Chemically altered EPDM diaphragm for increased resistance to chlorine and other chemicals.
- Compatible with most AC or DC (latch) controllers.

Measurements



¾" – 1"
AC&DC



1½"–2"
globe
AC&DC w/ or
w/o pressure
regulator



1½"–2"
angle / globe
AC&DC w/ or
w/o pressure
regulator

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Specifications

3/4" & 1" Globe

Flow:	0.025 – 7.0 m ³ /h
Working pressure:	0.2 -10 bar
Max. pressure:	12 bar
Ambient temp. max:	66°C
Fluid temp. max:	60°C
Plastic parts:	Reinforced nylon
Diaphragms:	EPDM
Leads:	2 x 0.32 mm x 80 cm

Electrical 24 VAC

Voltage:	24VAC
Inrush:	90 mA
Holding:	75 mA

Max. distance between Aquanet II AC and controllers

Cable gauge	Diameter	Cross section	Max. distance
Awg	mm	mm ²	m
20	0.8	0.5	1250
18	1.0	0.8	2000
17	1.1	1.0	2500
16	1.3	1.3	3500
15	1.4	1.5	5000

1.5" & 2" Globe & Angle

Flow:	0.1 – 34.0 m ³ /h
Working pressure:	0.3 -10 bar
Max. pressure:	14 bar
Ambient temp. max:	66°C
Fluid temp. max:	60°C
Plastic parts:	Reinforced nylon
Diaphragms:	EPDM +
Leads:	2 x 0.32 mm x 120 cm
Pressure regulator:	regulates 0.7-4.5 bar

Electrical DC Latch

Voltage:	12-40 VDC
Pulse width:	80-500 ms
Connections:	black wire - common, red wire - power

Max. distance between Aquanet DC valves and controller (13.5 VDC, 100 ms, 4700 mf)

Cable gauge	Diameter	Cross section	Max. distance
Awg	mm	mm ²	m
20	0.8	0.5	150
17	1.1	1.0	240
15	1.4	1.5	330

Hydraulic data

Pressure loss (m)

Model	Flow m ³ /h																		
	1	2	3	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
3/4 G	1.00	1.30	2.00	2.50	4.50														
1.0 G	1.00	1.30	2.00	2.40	4.00														
1.5 G	0.52	0.64	0.77	0.92	1.28	1.70	2.21	2.79	3.46	4.22	5.06	6.00	7.00	8.17	9.41	10.75	12.20	13.77	15.46
1.5 A	0.90	0.93	0.98	1.05	1.23	1.48	1.80	2.18	2.64	3.18	3.79	4.49	5.26	6.12	7.06	8.08	9.20	10.40	11.70
1.5 A-G	0.00	0.10	0.40	0.70	1.30	1.92	2.57	3.25	3.98	4.76	5.61	6.53	7.54	8.64	9.84	11.16	12.6	14.17	15.90
2.0 G	0.63	0.74	0.86	1.00	1.33	1.71	2.16	2.69	3.28	3.96	4.72	5.56	6.50	7.54	8.67	9.91	11.26	12.72	14.30
2.0 A	1.41	1.30	1.23	1.18	1.15	1.23	1.41	1.68	2.04	2.50	3.03	3.65	4.35	5.12	5.97	6.88	7.85	8.89	9.99
2.0 A-G	1.40	1.69	1.97	2.25	2.80	3.35	3.92	4.50	5.12	5.77	6.48	7.24	8.00	8.99	9.98	11.09	12.30	13.60	15.06

• G = Globe • A = Angle • A-G = Angle valve globe flow

Ordering guide

electric type	size (inch)	thread type	type* (m)	**pressure regulator
AC	3/4"	BSP	Globe	w/
DC	1"	NPT	Angle	w/o
	1 1/2"			
	2"			

Example: *Aquanet DC, 1", BSP*. * Aquanet 3/4" and 1" models available in globe only.
** Pressure regulated available in 1 1/2" and 2" models only.

Packaging data

	Quantity	Dimensions (cm)	Weight(kg)
Aquanet 3/4", 1"	12	47.0x26.0x12.0	4.45
Aquanet 1.5 G	1	21.5x12.5x19	1.18
Aquanet 1.5 A	1	21.5x12.5x19	1.29
Aquanet 2 G	1	21.5x12.5x19	1.16
Aquanet 2 A	1	21.5x12.5x19	1.24

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