

AquaNet™ Electric Valves

The professional electric/hydraulic valve line.



1 1/2" - 2"
MODEL

3/4" - 1"
MODEL



Low Energy
Consumption



Quick
Reaction



Simple to
Use

Benefits & Features

- ✓ Patented hydraulic 3-way control
- ✓ Designed to operate with all types of water, including effluent water (2 mm command orifice)
- ✓ Pressure & flow range
- ✓ Manual override: CLOSE-AUTO-OPEN
- ✓ Low energy consumption for maximal wire distance
- ✓ Built-in pressure regulator with adjustable knob 0.7 – 4.5 bar (optional 1 1/2" & 2" Electrical models only)
- ✓ Flow control handle – standard on all models
- ✓ EPDM diaphragm resistant against chemicals used in agriculture

Specifications & Recommendations

3/4" & 1" GLOBE MODELS

- Working Pressure: 0.2 - 10 bar
- Ambient Temp. Max.: 60°C (140°F)
- Fluid Temp Max.: 60°C (140°F)
- Plastic Parts: Reinforced Nylon
- Diaphragms: EPDM
- Leads: 2 x AWG 22 (80 cm)

1 1/2" & 2" GLOBE & ANGLE MODELS

- Working Pressure: 0.3 - 10 bar
- Ambient Temp. Max.: 60°C (140°F)
- Fluid Temp Max.: 60°C (140°F)
- Plastic Parts: Reinforced Nylon
- Diaphragms: EPDM
- Leads: 2 x AWG 22 (120 cm)

* Pressure Regulating Range: 0.74.5- bar (1 1/2" & 2" only)

→ PACKAGING DATA

MODEL	QUANTITY P/BOX UNITS	BOX DIMENSIONS CM X CM X CM	BOX WEIGHT KG (AVERAGE)
AQUANET PLUS 3/4", 1"	12	47.0 X 26.0 X 12.0	4.45
AQUANET PLUS 1 1/2" G	1	21.5 X 12.5 X 19	1.18
AQUANET PLUS 1 1/2" A			1.29
AQUANET PLUS 2" G			1.16
AQUANET PLUS 2" A			1.24
PRESSURE REGULATOR KIT			12.0 X 9.0 X 7.0

→ ELECTRICAL SPECIFICATIONS

24V AC

VOLTAGE	18-28 VAC
INRUSH	90 mA
HOLDING	75 mA

IN AC MODELS, 2-5 SECONDS DELAY FROM COMMAND TO ACTIVATION

CABLE GAUGE (AWG)	DIAMETER (MM)	CROSS SECTION (MM ²)	MAX. DISTANCE (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

MAX. DISTANCE BETWEEN AQUANET PLUS AC AND CONTROLLERS

DC

VOLTAGE	12-40 VDC	
MIN. PULSE WIDTH	80 ms	

RECOMMENDED WORKING CONDITION CAPACITOR MODE

VOLTAGE (VDC)	CAPACITOR (MF)	MIN. PULSE (MS)
12-18	4700	80
18-28	3300	80
28-40	2200	80

CABLE GAUGE (AWG)	DIAMETER (MM)	CROSS SECTION (MM ²)	MAX. DISTANCE (M)
20	0.8	0.5	150
17	1.1	1.0	240
15	1.4	1.5	380

→ CATALOG NUMBERS

DIAMETER	CONNECTION TYPE	INPUT	SHAPE	CATALOG NUMBER WITHOUT REGULATOR	CATALOG NUMBER WITH REGULATOR
3/4"	BSP	AC	STRAIGHT	34000-001000*	
		DC	STRAIGHT	34500-001000*	
1"		AC	STRAIGHT	34000-001100*	
		DC	STRAIGHT	34500-001100*	
1 1/2"		AC	ANGLE	34040-001000	34020-001000
			GLOBE	34040-001100	34020-001100
		DC	ANGLE	34540-001000	34520-001000
			GLOBE	34540-001100	34520-001100
2"	AC	ANGLE	34040-001200	34020-001200	
		GLOBE	34040-001300	34020-001300	
	DC	ANGLE	34540-001200	34520-001200	
		GLOBE	34540-001300	34520-001300	

* With flow control

→ ELECTRICAL CONNECTIONS

3/4" & 1" DC RED + BLACK COMMON
3/4" & 1" AC BLACK/BLACK
1 1/2" & 2" DC RED + BLACK COMMON
1 1/2" & 2" AC BLACK/BLACK

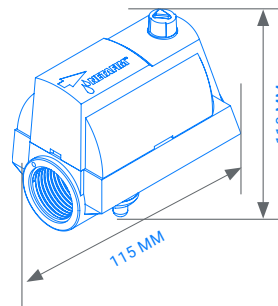
(CHANGING DC WIRE CONNECTIONS WILL CHANGE NC TO NO)

IT IS RECOMMENDED TO ISOLATE WIRES CONNECTIONS FROM WATER TO PREVENT CORROSION.

AQUANET™ IS COMPATIBLE WITH MOST DC LATCH CONTROLLERS WITH TWO OR THREE WIRE OUTPUT. FOR SPECIFIC MODELS PLEASE CONTACT YOUR NETAFIM REPRESENTATIVE.

→ TECHNICAL DIMENSIONS

3/4" & 1" MODELS



1 1/2" & 2" MODELS

