

Aquative Plus™ Actuator Valve



Features & Benefits

Smooth operating in tough water conditions due to large horifice

- » Manual override CLOSE-AUTO-OPEN
- » Very low energy consumption for maximal wire distance
- » Optional NC (Normally Closed) or NO (Normally Open) configuration

Applications

- » Suitable for operation in all applications - agriculture, landscape and industry (water supply system)



Specifications

Model	AC	DC
Voltage	24 VAC	12-40 VDC
Pressure range (no, nc)	0 - 10 bar 0-140 psi	
Ambient temp. Max	60°C (140°F)	
Fluid temp. Max	60°C (140°F)	
Filtration requirements	80 mesh	
Inrush	90mA	-
Holding	75mA	-
Plastic parts raw material	Reinforced Nylon	
Command diaphragm raw material	EPDM	
Hydraulic ports	1/8" BSP	
Leads	2 X AWG22 (1.2 m)	
Delay from command to activation	2-5 sec.	
Pulse width	-	50ms

Hydraulic Characteristics / Water Passage

Model	Orifice
Aquative Plus™	2

Recommended Working Conditions capacitor mode - for DC Models

Voltage (VDC)	Capacitor (µF)	Min. Pulse (ms)
12-18	4700	80
18-28	3300	80
28-40	2200	80

Two wires: red + / black - common

Changing wire connections will change NC to NO

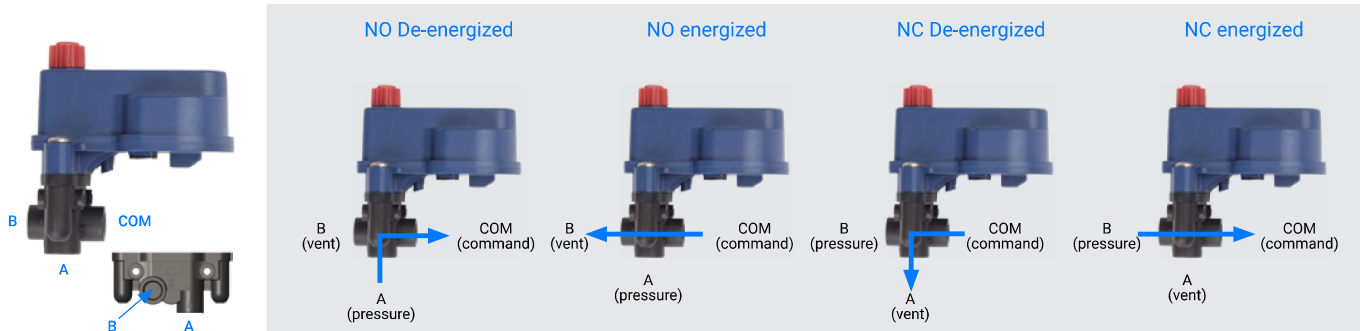
Maximum Distance from Controller to Aquative Plus™

Wires cross-section selection for distance installation of G75 solenoids

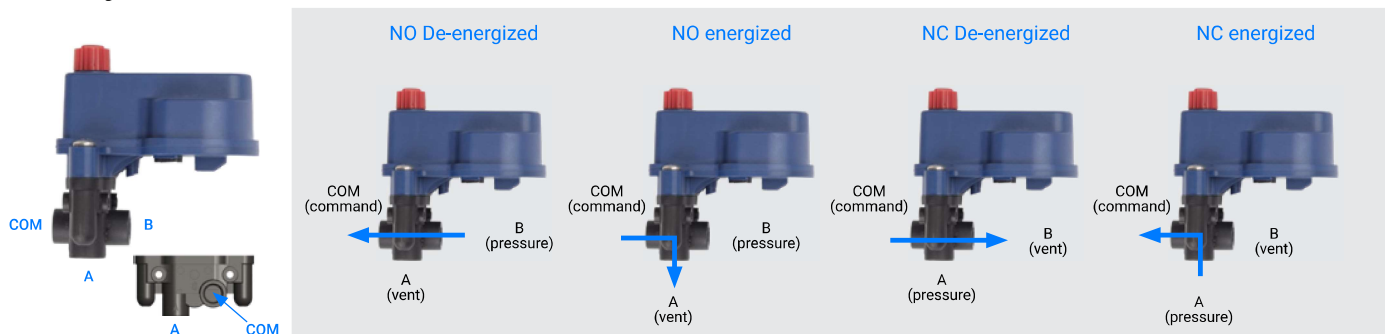
Cable Gauge (AWG)	Diameter (mm)	Cross Section (mm²)	AC	DC
			Max. Distance (m)	Max. Distance (m)
24	0.5	0.2	600	-
20	0.8	0.5	1250	150
18	1.0	0.8	2000	-
17	1.1	1.0	2500	240
16	1.3	1.3	3500	-
15	1.4	1.5	5000	380

Configuration

Configuration 1 - Standard



Configuration 2 - Non-Standard



Catalog Numbers

Catalog numbers start with: 35500 - (any of below 6 digits)

No. of Acuator(s)	Aquative Plus Config. 1		Aquative Plus Config. 2
	AC	DC	DC
1 w/o Brackets	001200	001900	001920
1 w/ Brackets	001300	002000	-
2 w/ Brackets	001400	002100	000710
3 w/ Brackets	001500	002200	000711
4 w/ Brackets	001600	002300	000712
5 w/ Brackets	001700	002400	000713
6 w/ Brackets	001800	002500	000714
7 w/ Brackets	001360	001361	000715
8 w/ Brackets	001850	002530	000718
9 w/ Brackets	002531	001860	000717
10 w/ Brackets	001870	002550	000718

- * Anchoring with 2 screws 10x1.5"
- * Bracket material: Aluminum

Packaging Data

Model	Model Weight (gr)	Units per Carton	Carton Dimensions (cm x cm x cm)	Carton Weight (gr)
Aquative Plus (1 actuator)	147.5	50	28 x 28 x 56	7375
Aquative Plus (2 actuator)	457.5	14		6405
Aquative Plus (4 actuator)	783.5	8		6268
Aquative Plus (6 actuator)	1100	8		8800