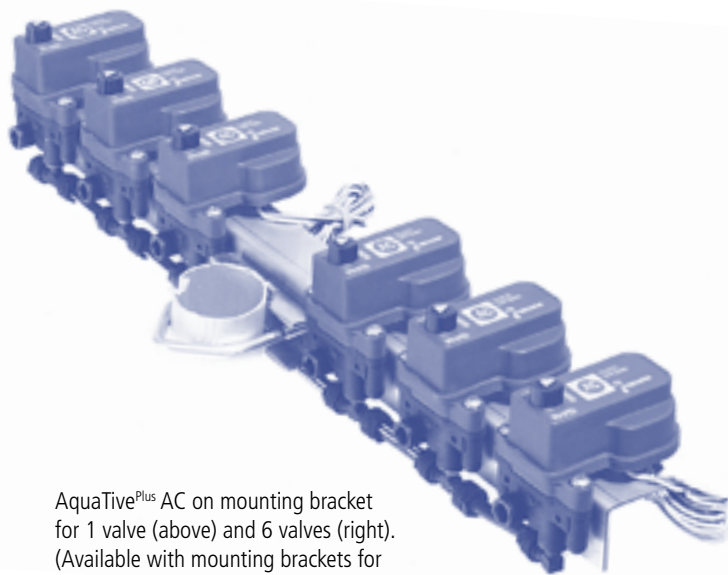


AquaTive^{Plus}® AC/DC

Actuator valve (solenoid) converting electric to hydraulic command

- Actuator valve designed for reliable operation in all irrigation systems
- Designed to operate with all types of water, including effluent water (2 mm command orifice)
- Optional NC (Normally Closed) or NO (Normally Open) valve
- Two main parts:
 - water isolated actuator
 - 3-way hydraulic control valve
- Manual override CLOSE-AUTO-OPEN
- Very low energy consumption for maximal wire distance



AquaTive^{Plus} AC on mounting bracket for 1 valve (above) and 6 valves (right). (Available with mounting brackets for 1, 2, 4, and 6 valves.)

CONTROL VALVES

AquaTive^{Plus}® AC

Voltage:	24VAC (min. 18V max. 28V)
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:	80 mesh
Inrush:	90 mA
Holding:	75 mA
Plastic parts:	Reinforced nylon
Command diaphragm:	EPDM
Hydraulic ports:	1/8" BSP
Valve anchoring:	Two screws (self tapping) 10 x 1.5"
Leads:	2 X AWG22 (120 cm)
Bracket material:	Stainless steel 316

It is recommended to isolate wires connections from water to prevent corrosion).

! 2-5 seconds delay from command to activation !

Maximum distance from AquaTive^{Plus} to controller

Cable gauge (awg)	diameter (mm)	cross section (mm ²)	max. distance (m)
24	0.5	0.2	600
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



AquaTive^{Plus} AC w/o mounting bracket



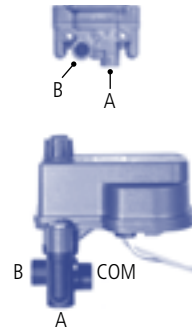
AquaTive^{Plus} AC top view

Catalog No.

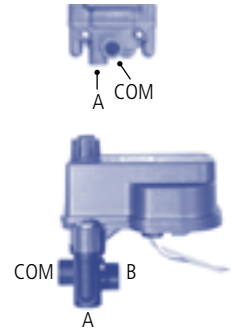
No. of actuator (s)	

1 w/o brackets	35500-001200
1 w/o brackets configuration 2	35500-001220
1 w/ brackets	35500-001300
2 w/ brackets	35500-001400
3 w/ brackets	35500-001500
4 w/ brackets	35500-001600
5 w/ brackets	35500-001700
6 w/ brackets	35500-001800

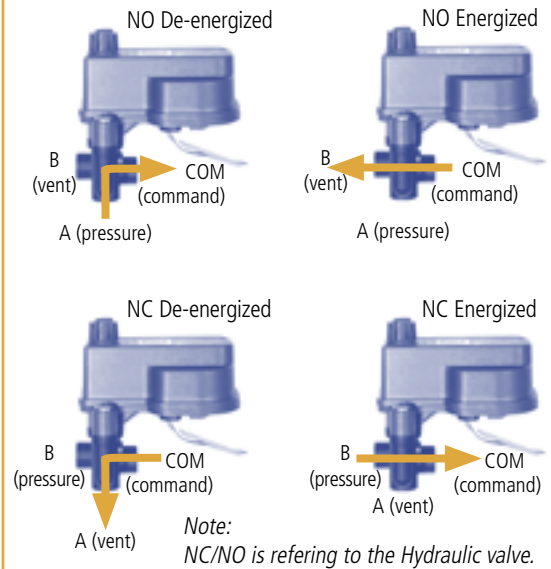
Configuration 1* (standard)



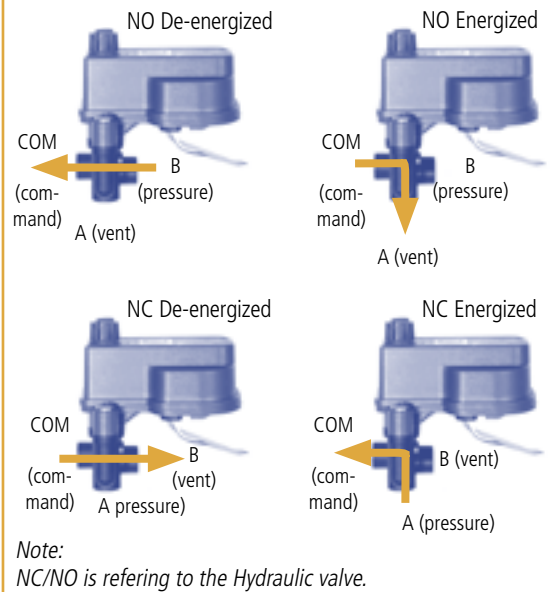
Configuration 2 (not standard)



Configuration 1*



Configuration 2



AquaTive^{Plus}® DC

2 wire activated

Pressure range (NC, NO):	0-10 bar (0-140 psi)
Ambient temp. max:	60°C (140°F)
Filtration:	80 mesh min
Fluid temp. max:	60°C (140°F)
Voltage range:	12-40 VDC
Pulse width:	min. 80, max. 500 ms
Plastic parts:	Reinforced nylon
Command diaphragm:	EPDM
Hydraulic outlet:	1/8" bsp
Valve anchoring:	Two screws (self tapping) 10 x 1.5
Leads:	2 X AWG22 (120 cm)
Bracket material:	Stainless steel 316

Hydraulic 3 ports (1/8" BSP): COM – command to valve
A & B

Maximum distance from

AquaTive^{Plus} to controller: 13.5VDC 80 ms 4700 µf

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

Recommended working condition capacitor mode

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

Electrical connection

Two wires: orange + / black & white - common

(changing wire connections will change NC to NO)

It is recommended to isolate wires connections from water to prevent corrosion).

AquaTive^{Plus} is compatible with most DC latch controllers MOTOROLA, ELDAR-GAL, TALGIL, PROGRES with two or three wire output (with 3-to-2 wire converter). For specific models, please contact your Netafim representative.

Catalog No.

No. of actuator (s)

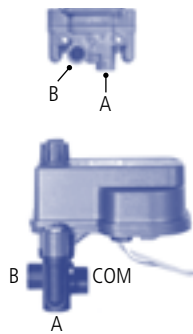
1 w/o brackets . . .	35500-001900
1 w/o brackets configuration 2 . . .	35500-001920
1 w/ brackets . . .	35500-002000
2 w/ brackets . . .	35500-002100
3 w/ brackets . . .	35500-002200
4 w/ brackets . . .	35500-002300
5 w/ brackets . . .	35500-002400
6 w/ brackets . . .	35500-002500



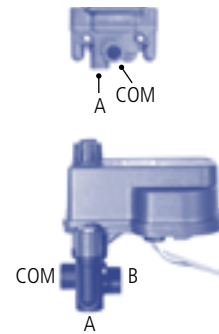
Red - ON
Black - OFF
White - COM

3-to-2 wire converter
Catalog No.
35500-003450

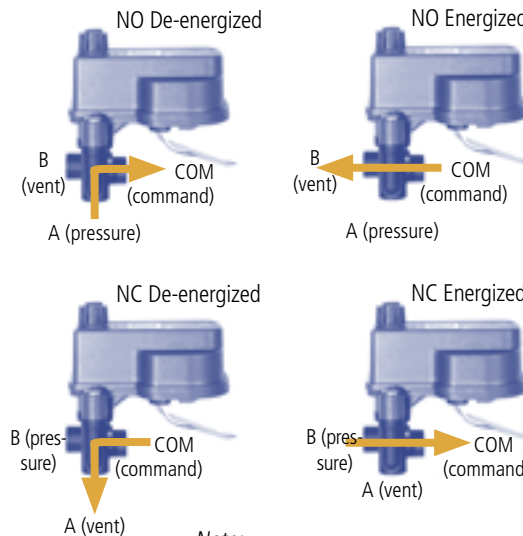
Configuration 1* (standard)



Configuration 2 (not standard)

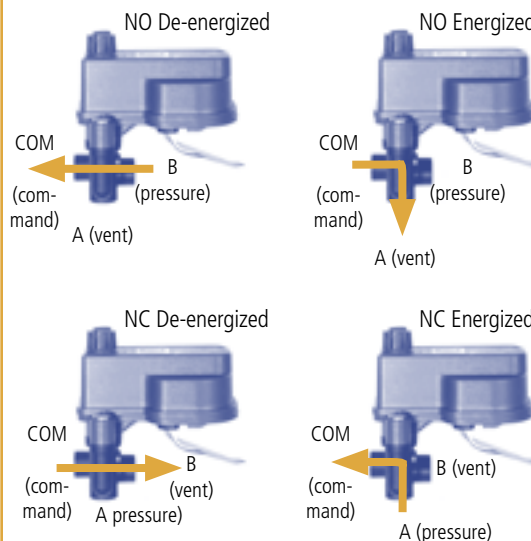


Configuration 1* (NO/NC)

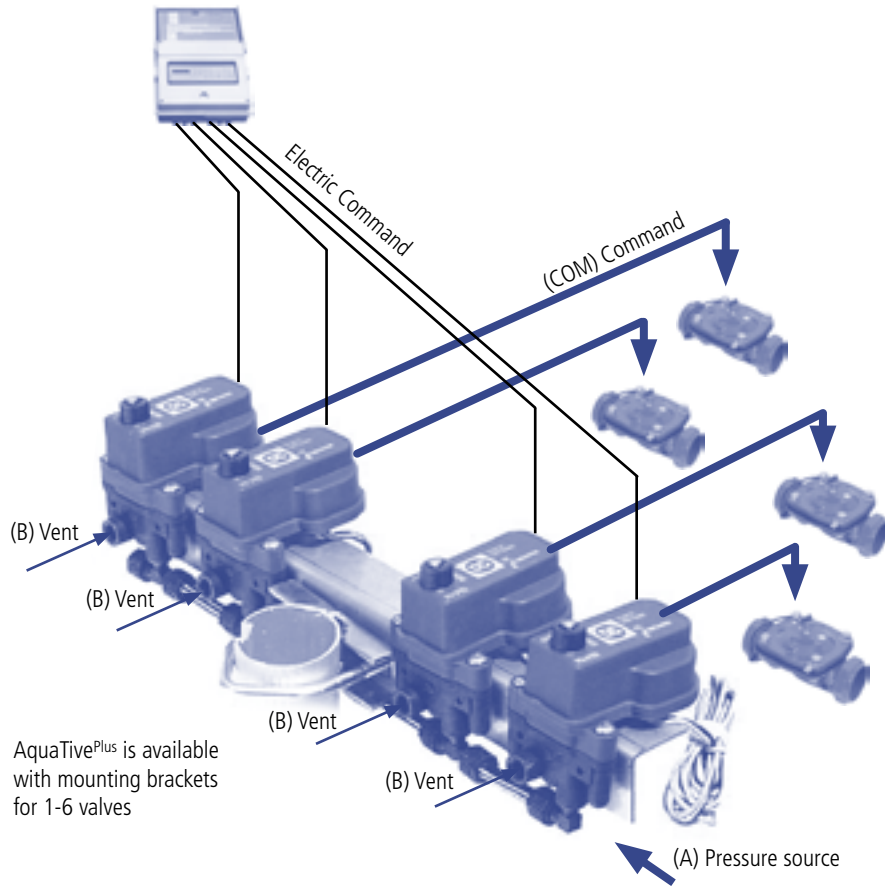


Note:
NC/NO is referring to the Hydraulic valve.

Configuration 2 (NO/NC)



Note:
NC/NO is referring to the Hydraulic valve.



* Configuration 1 is standard order

Model	Bag quantity	Dimensions (cm)	Weight (kg)	Master box quantity	Master box dimensions (cm)	Weight (kg)
AquaTive ^{Plus} (1 actuator)	1	10x10x25 bag	0.151	100	.	14.6
AquaTive ^{Plus} (2 actuators)	1	10x10x25 bag	0.662	15	480x290x330	7.5
AquaTive ^{Plus} (4 actuators)	1	10x10x25 bag	1.128	10	480x290x330	9.0
AquaTive ^{Plus} (6 actuators)	1	10x10x25 bag	1.588	7	260x280x570	9.1

PACKAGING DATA