

Motorized Ball Valve

1-Inch Schedule 80 PVC Electric Ball Valve

MODEL VALVE-BALL · NURAVINE FERTIGATION PLATFORM

The 1-inch motorized ball valve puts fills, drains, and zone control under automated command. It wires directly to the 24V DC valve outputs on the Aurora II or Flux, opens and closes in about ten seconds, and returns to closed on its internal capacitor if power is lost.

The Schedule 80 PVC body handles up to 1.0 MPa (145 psi), and the true-union design drops in and out of the line without cutting pipe. Because the actuator only draws power while it is moving, dozens of valves run comfortably from a single controller supply.

- 1 in female NPT, true-union Schedule 80 PVC
- Normally closed with capacitor-return fail-safe
- Draws power only while actuating
- Opens and closes in ~10 seconds
- Drives from Aurora II or Flux 24V DC outputs
- IP67 actuator with all-metal gears



MECHANICAL	
Valve size	1 in female NPT, true-union connectors
Body material	Schedule 80 PVC
Pressure rating	1.0 MPa (145 psi)
Actuator torque	10 Nm, all-metal gear train
Configuration	2-way, full on/off

ACTUATION	
Type	Electric motorized, driven by controller valve outputs
Travel time	Approximately 10 seconds open or close
Fail-safe	Normally closed; capacitor return closes the valve on power loss
Capacitor charge	Allow 30 seconds after power-up or actuation before the valve can close

ELECTRICAL	
Supply	24V DC from Aurora II or Flux valve outputs
Power draw	Up to 12 W (0.5 A) while actuating; near zero at rest
Wiring	2-wire to the controller output group (common + switched output)

CONTROL	
Controllers	Aurora II (20 outputs) or Flux (16 outputs)
Rule actions	Set valve, timer valve, sensor valve
Valve safety	Max-time timeouts drive valves to configured finish positions
Typical uses	Fills, drains, changeouts, zone feeding, batch delivery

ENVIRONMENTAL	
Actuator protection	IP67, CE-marked
Warranty	2-year limited hardware warranty

IN THE BOX	
1x Motorized ball valve with true-union fittings	

ORDERING INFORMATION	
MODEL / SKU	DESCRIPTION
VALVE-BALL	1 in Schedule 80 PVC motorized ball valve
AURORA-II	Aurora II all-in-one fertigation controller
FLUX	Flux irrigation and valve automation controller

