



Nexus Flow

3D FLOW MASTER VALVE ASSEMBLY (3D-FMV-A)

ADD A FLOW METER AND MASTER VALVE TO ANY CONVENTIONAL CONTROLLER WITH LESS WIRE, TRENCHING & LABOR.

Tucor's 3D Flow Master Valve Assembly Kit ("3D-FMV-A") provides everything you need to retrofit a flow sensor and master valve to your irrigation system, *without* running wire back to the controller. By sharing the controller's existing valve wiring, the 3D-FMV Assembly allows you to add a flow meter and master valve to any conventional controller with less wire, trenching & labor.

FEATURES



Save on Wire Cost and Trenching



Compatible with any Standard-Wire Controller with Flow



Durable Tucor Decoder Technology



3D-FMV Assembly Kit Includes:

1. 3D: 3D 2-Wire adapter for flow and master valve
2. 3D-FMV-M: combined flow meter and master valve decoder*
3. 3DLD-050: valve decoder and transition from existing system to flow meter & master valve connection with LEDs.
4. Installation Aids: wire splices, both internal and external mounting options

BENEFITS

Water Conservation

Easily add a flow meter to measure and evaluate water usage.

Cost and Labor Saving

Proprietary 2-Wire sharing technology requires minimal trenching, less wire and labor.

Install Efficiency

Ready-to-install assembly, complete with 3D-2 adapter, decoders and splice kits.

Easy Retrofit

Compatible with the industry's leading conventional controllers.

*As of 09.09.2022, the 3D-FMV-M has been transitioned to a blue model with no LED lights.

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APPLICATIONS

- Landscape & Turf
- Greenhouse, Nursery, & Industrial
- Agriculture
- Golf

SPECIFICATIONS

INSTALLATION

CONTROLLER Wire 3D-2 adapter directly to existing controller terminals

FIELD No existing master valve; add via 3DLD-050 decoder to begin 2-Wire path. With existing master valve, wire 3D-FMV-M directly to master valve wires and connect to flow sensor.

2-WIRE DISTANCES 18AWG; 3,000 FT. / 16 AWG; 6,000 FT. / 14 AWG; 8,000 FT.

KIT COMPONENTS

3D ADAPTER

HOUSING Schedule 80 PVC

OUTPUTS 2 outputs; 1 master valve and 1 transitional valve

POWER 24 VAC, sourced from current controller

LED INDICATOR LIGHTS Green for Ready/Active. Red for Error.

3DLD-050

FUNCTION Acts as transition point between conventional valve wire and 2-wire path

LED INDICATOR LIGHTS Steady Blue for system active. Steady Green for valve active.

PROGRAMMING None required, preprogrammed

WIRE (2) Blue for line, (2) White for solenoid

3D-FMV-M

FUNCTION Combination flow meter and master valve decoder, add directly to 2-wire path and share existing master valve wires if just adding flow sensor.

PROGRAMMING None required, preprogrammed

WIRE Red & Black for flow+ & Flow, (2) blue for line, (1) Green/Yellow striped for ground, (2) White for solenoid; Orange (optional) for 5 VDC power for PhotoDiode.

ORDERING INFORMATION

MODEL NUMBER

3D-FMV-A Preprogrammed System Assembly with 3D Adaptor, 3D-FMV-M Flow Sensor/Master Valve Decoder and 3DLD-050 Valve Transition Decoder. Includes NEMA 4X enclosure and flex conduit connection. Includes Snap Track for internal installation.