

## PCZ-100 and ICZ-101

### Low-Flow Control Zone Kit Installation Instructions

#### Installation

Before installation, make sure you have sufficient water supply, pressure, and flow. Connect pipes to primary water source and install master valves, pressure regulators, and backflow preventers as required.

In areas where freezing conditions occur, make provisions for draining the system by using both a drain valve and a stop-and-waste shut-off valve installed on the main line feeding the sprinkler system.

#### To install the Control Zone Kit:

1. Flush the system thoroughly until the water from the main line runs clear.
2. Use only Teflon paste or tape on all threaded connections. Tape has been used to assemble the kit so you do not need to take the kit apart and apply tape. Note: Do not use Pipe Dope or solvent cement on threaded connections. After applying the paste or tape around the male adapter or nipple threads, insert the male adapter or nipple into the Control Zone Kit. Tighten by hand and then, using a wrench, turn the male adapter or nipple  $\frac{1}{2}$  turn to ensure a good seal. Over tightening of fittings may break the valve.
3. Glue the male adapters to the pipe or connect the lines to the valve via barbed fittings (consult your local codes for type of glue to be used).
4. To test the connections for water leaks, turn on the main water supply. The valves may open when first pressurized and will close within one minute.

#### Electrical Connection

All Hunter Control Zone Kits are supplied with a 24-volt solenoid. Connect the solenoid only to a controller that uses an approved class 2, 24-VAC transformer as a power source via approved direct burial type wire. Valve wires can be buried. All wire splices should be joined using waterproof connectors. Run one common wire to each location to serve all the valves at that location. Note: Allow enough slack in the solenoid wires to enable the removal of the solenoid if future maintenance should be required.

***Warning: Do not connect the solenoid leads to 110VAC house current. Serious injury or electrocution could result.***

#### Manual Operation

The PCZ-100 and the ICZ-101 utilize two manual operation methods—an internal manual bleed and an external manual bleed. To operate the valve manually, choose from either of the following procedures. Turn the solenoid or the bleed screw  $\frac{1}{2}$  turn. To stop manual operation simply tighten either the solenoid or the bleed screw to its original position. The valve will close within 15 seconds.

#### Flushing the Filter Screen

To flush the filter you must first ensure the control valve is off. Unscrew the filter cap and remove it from the filter housing. Manually operate the valve until all debris is clear from the water being flushed. You may choose to attach a hose to the filter housing to divert the flush out of the valve box.

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### Low-Flow Control Zone Kit Installation Instructions *(continued)*

