

Technical Specifications

SCZ-N100F-H DRIP CONTROL ZONE KITS

FEATURES

1" Nitro Valve (N-100F-H)

- 2-year warranty and 100% water tested
- 150 psi (10,3 bar) rating
- S20P high-efficiency solenoid for positive opening at high pressures. Stainless steel actuator and nylon threads
- Unique "reverse flow" porting design permits equal pressure distribution on both sides of the diaphragm, regardless of line pressure providing zero stress to prevent "stretching," a common cause of valve failure
- Diaphragm's self-cleaning ports constantly flex, inhibiting sand and silt from blocking valve action
- Molded shock cone for smooth operation and reduction of water hammer
- Easy-to-use internal manual bleed lever; bleeds valve downstream; has stops for open and closed positions
- Engineering grade PVC body and cover with combination hex, slot, and Phillips retaining screws.
- Non-rising flow control stem throttles valve from full open to closed position

1" Wye-Filter Regulator

- Constructed of heavy duty glass filled nylon which operates between 20-150 psi pressure rating
- Pre-assembled with a 200 mesh stainless steel screen element – Manual flush cap allowing for filter element flush
- Directional flow arrows molded into body
- Nominal pressure regulation of 25 psi – (1.73 bar)

ELECTRICAL

- Wiring requires a single lead from the controller to each solenoid, plus a common neutral to all solenoids; type UF wire, U.L. listed, is recommended for all hookups

24VAC/60 Hz

Inrush: 9.86 VA

Holding: 5.11 VA

24 VAC/50 Hz

Inrush: 10.66VA

Holding: 5.97 VA

- Do not use nominal voltage ratings listed above for sizing of valve wires

OPERATION

- Flow: – 0.20 to 20.0 gpm
- Filtration: 150 mesh stainless steel

DIMENSIONS

- 6 ½" H x 14 ¾" L x 3 ¼" W

MODEL

- **SCZ-N100F-H** – 1" Nitro (N-100F-H) Valve; 1" Wye-Filter/Regulator (25 PSI)



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SCZ-N100F-H DRIP CONTROL ZONE KITS

PRESSURE REGULATING DRIP CONTROL ZONE KIT shall be model SCZ-N100F-H as manufactured by Weathermatic Sprinkler Division of Telsco Industries.

CONSTRUCTION: Pressure regulating drip control zones shall be pre-assembled units including a remote control valve, wye filter and pressure regulator. Remote control valve shall be model N100F-H “Nitro” with 1” NPT (ISO) inlet and outlet threads and standard flow adjustment. Valve body shall be molded of engineering grade PVC, have a molded shock resistance diaphragm assembly. Remote control valve shall have a manual internal bleed lever on the downstream side of the valve capable of operating the valve without adjustment to the solenoid assembly and without leaking or flooding water in the valve box. Valve shall be reverse flow in design causing automatic closure in the event of diaphragm failure.

Wye-Filter Regulator shall be PRYF-25 filter/regulator as manufactured by NDS, Inc for Weathermatic Sprinkler Division of Telsco Industries. Filter/regulator shall be wye-filter designed with built-in regulator, with 150 psi rating.

CONSTRUCTION: Filter/regulator shall have glass filled nylon body and 200 mesh stainless steel screen element psi cover with stainless steel spring. A manual flush cap shall provide for flushing of the filter screen. Directional arrows shall be molded into the body of the filter.

Filter/Regulator shall have a 20-150 psi pressure rating and operate at a flow rate of 2.0 to 15.0 GPM.

Regulator shall regulate at a nominal pressure of 25 psi.

OPERATION: Pressure regulating drip control zones shall be solenoid or manually actuated. Solenoid actuator shall require 9.48 VA inrush current and 5.11 VA holding current at 24VAC/60 Hz. Inrush and holding current at 24VAC/50Hz shall be 10.66 VA and 5.99VA. Control zone shall a minimum and maximum flow range of 1-20 gpm. Maximum operating pressure shall not exceed 150 psi. Control zone shall deliver a constant outlet pressure of 25 psi (1,73 bar) over an inlet pressure range of 25-100 psi.

WARRANTY: SCZ-N100F-H drip control zone assemblies have a manufacturer’s limited warranty of two (2) years.