

Technical Specifications

SCZ-MAX-DW-10 DRIP CONTROL ZONE KITS

FEATURES

1" MAX-DW-10F Valve

- 10-year warranty and 100% water tested
- 225 psi (15, 5 bar) rating
- S24B high-efficiency solenoid for positive opening at high pressures. Stainless steel actuator and brass 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
- High-strength glass-filled body and cover with ¼ in. stainless steel cover bolts and mating brass body inserts
- Non-rising flow control stem throttles valve from full open to closed position
- Chloramine resistant diaphragm

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 40 psi – (2.8 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: 5.69 VA

24 VAC/50 Hz

Inrush: 10.7 VA

Holding: 7.5 VA

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

OPERATION

- Flow: – 0.20 to 15.0 gpm
- Filtration: 200 mesh stainless steel

DIMENSIONS

- 7" H x 10 ¼" L x 3" W

MODEL

- **SCZ-MAX-DW-10** – 1" MAX-DW-10F Valve; 1" Wye-Filter/Regulator (40 PSI)





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Remote control valve shall be MAX-DW-10F (11024EF-with flow control) Black Bullet Max series valve as manufactured by Weathermatic Sprinkler Division of Telsco Industries, or approved equal, with hand operated manual internal bleed. Valve shall be solenoid operated, diaphragm, reverse flow type, with 220 psi CWP rating, having NPT threads (optional ISO) and suitable for underground burial without protection.

CONSTRUCTION: Valve shall have glass filled, high strength plastic body and cover with stainless steel spring. Cover shall be secured to body with stainless steel cover bolts having mating brass body inserts. Diaphragm shall be chlorine/chloramine resistant, and shall utilize a conical base to reduce water hammer. Design shall be reverse flow causing automatic closure in event of diaphragm wall failure. Valve shall be packless, without sliding seals, and completely serviceable without removing body from pipeline. Design shall be “normally closed” requiring solenoid to be energized to open valve, thereby causing

automatic closure in event of power failure. Solenoid shall comply with Class II National Electric Code and when operating require a maximum of (5.69 VA) at 24 volts ac. Solenoid shall be integrally mounted in valve cover and encapsulated in molded-resin to form a corrosion and moisture-proof unit with exposed metal components of non-corrosive material.

OPERATION: Solenoid shall be energized to open the valve hydraulically and de-energized to close. Pressure to the hydraulic chamber shall be supplied internally through non-metallic, corrosion-free orifices in the diaphragm causing a cleansing action of the orifices. Contamination resistance shall be provided without the use of screens, filters or strainers. In event of tear in diaphragm wall valve shall remain in the closed position. Minimum flow range shall be no greater than 1 GPH.

Wye-Filter Regulator shall be PRYF-40 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 40 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-MAX-DW-10F drip control zone assemblies have a manufacturer’s limited warranty of ten (10) years.

