

Medium Flow Residential Control Zone Kits

TECHNICAL SPECIFICATIONS

XCZ-100-PRF
IXCZ-100-PRF
ICZ-100-9V

Install and maintain your more demanding residential drip systems with a zone that includes the most trusted premium valve chosen by professionals worldwide for their consistent, problem-free performance.

- Reliable performance
- Versatile in applications
- World's #1 selling valve for over 20 years

FEATURES:

- **Versatility:** Preassembled control Zone kit with popular DV Series Valve
- **Compact Solution:** The pressure regulating RBY filter provides the protection of downstream components you need in a low-volume system, in a compact design.
- **Long-term Reliability:** These preassembled kits with PR Filters provide on/off control, filtration, and pressure regulation with only two parts; so there is less chance of leakage at the connections, both at installation and over the life of the system

MODELS:



XCZ-100-PRF
1" Medium Flow Control Zone Kit

OTHER MODELS:

IXCZ-100-PRF
1" Medium Flow Control Zone Kit (BSP)

ICZ-100-9V
1" Medium Flow Control Zone Kit with TBOS solenoid (BSP)

OPERATING RANGES:

Operating Flow Range
3 to 15 gpm; (11.4 to 56.8 l/m)

Min Diagnostic Flow
N/A

Inlet Pressure
20 to 150 psi; (1.4 to 10.3 bar)

Regulated Pressure:
40 psi (2.8 bar)

ADDITIONAL SPECIFICATION NOTES:

*0.9 gph dripline with 12" emitter spacing

OTHER SPECIFICATIONS:

Valve
XCZ-100-PRF: 100DV
IXCZ-100-PRF: 100DVBSP
ICZ-100-9V: 100DVTBOS

Filter Type
Stainless steel screen filter; 200 mesh (75 micron)

Flow Rate Capability*
200 to 1000 ft (61 to 304m) of dripline

Valve Box
Mini-Standard or 10" Round

Warranty
3 years

Controller Compatibility

- Compatible with traditionally-wired controllers.
- Compatible with TBOS / DC controller when used with DC Latching solenoid.
- Compatible with IVM controllers (ESP-LXIVM/LXIVMP) when used with IVM SOL.
- Not compatible with 2-wire decoder systems like the ESP-LXD controller.

Dimensions
Length = 10"

Replacement Filter
RBY-200SSMX

Inlet Size
1" x 1" NPT



SPECIFICATIONS:

The control zone kit shall contain 2 pieces, which are pre-assembled: an integrated Pressure-Regulating Filter (PR Filter) and a valve.

The PR Filter shall contain both a 200 mesh filter and a pressure regulator. The pressure regulating filter body shall be constructed of heavy-duty, glass-filled, UV resistant plastic material providing a pressure rating of not less than 150 psi.

The filter element shall be constructed of a durable polyester fabric attached to a propylene frame. The standard 200-mesh (75 micron) screen shall be serviceable for cleaning purposes by unscrewing the cap from the body and removing the filter element. Replaceable filter elements (white) 200-mesh (75 micron) shall be available from the same manufacturer of the inline filter. The 3/4" pressure regulating filter body shall have a 3/4" male threaded inlet and outlet. The 1" PR Filter shall have a 1" male threaded inlet and outlet. The design shall be of a compact "Y" body and cap configuration. The dimension for the filter shall not exceed the following: Height: 4 1/2" (11,4 cm), Length: 5 1/2" (14 cm), Width: 2" (5,1 cm).

The pressure regulating element of the pressure regulating filter is a normally open device that allows full flow with a little pressure loss unless the inlet pressure is greater than preset level. As the inlet pressure increases above the preset level it compresses a spring and begins to reduce the flow and downstream pressure. The 3/4" pressure regulator shall have a preset outlet pressure of approximately 30 psi (2,0 bars) at a flow rate of ___GPM or (l/s: m3 /h). The 1" pressure regulator shall have a preset outlet pressure of approximately 40 psi (2,6 bars) at a flow rate of ___GPM or (l/s: m3 /h).

The pressure regulator shall be able to accommodate an inlet pressure rating of not less than 120 psi (8,3 bars). The control zone kits shall have the ability to be installed either above or below ground.

The control zone kits shall have an automatic irrigation control valve. The valve shall be normally closed at 24 VAC 50/60 cycle, solenoid actuated, balance pressure type capable of a flow rate of ___GPM of (l/s: m3 /h) with a pressure loss not to exceed ___psi(bars). The valve pressure rating shall not be less than 120 psi. The valve body and bonnet shall be constructed of high impact, weather resistant plastic, stainless steel and other chemical/UV resistant materials. The valve shall have a diaphragm constructed of durable Buna-N rubber with a clog-resistant metering orifice. The valve shall have one 90-mesh (200 micron) filter attached to the solenoid base.

The kits shall have a valve with a 1" FNPT inlet and outlet. The valve shall be actuated by a low power .30 amp(A) (7,2VA) inrush current and a 0.19 amp(A) (4.56VA) holding current. The valve shall be capable of on/off control by turning the solenoid 1/4 turn.

The control zone kits shall be manufactured by Rain Bird Corporation, Azusa, CA.

XCZ-100-PRF			
Minimum Inlet Pressure for 40 psi (2.8 bar) Outlet Pressure			
FLOW		INLET PRESSURE	
gpm	l/m	psi	bar
3.0	11.4	42.9	3.0
5.0	18.9	44.1	3.0
10.0	37.9	48.5	3.3
15.0	56.8	55.5	3.8

IXCZ-100-PRF			
Minimum Inlet Pressure for 40 psi (2.8 bar) Outlet Pressure			
FLOW		INLET PRESSURE	
gpm	l/m	psi	bar
3.0	11.4	45.8	3.2
5.0	18.9	47.0	3.2
10.0	37.9	50.7	3.5
15.0	56.8	57.6	4.0

ICZ-100-9V			
Minimum Inlet Pressure for 40 psi (2.8 bar) Outlet Pressure			
FLOW		INLET PRESSURE	
gpm	l/m	psi	bar
3.0	11.4	45.8	3.2
5.0	18.9	47.0	3.2
10.0	37.9	50.7	3.5
15.0	56.8	57.6	4.0

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