



CIP-100IV

Inline Irrigation Valve with Automatic Solenoid

Champion Irrigation Products' CIP-100IV Inline Irrigation Valve with Automatic Solenoid delivers reliable performance for residential and light commercial irrigation systems. Designed for new installations and replacements. This durable valve is compatible with 1" female threaded connections and operates seamlessly across a pressure range of 15-145 PSI with its nylon-reinforced diaphragm and weatherproof design.

Key Benefits

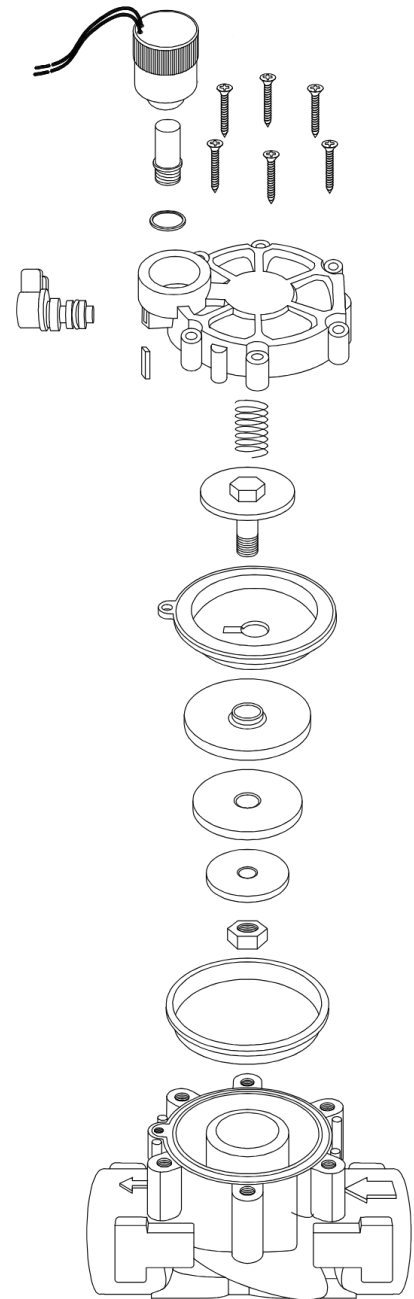
- Works with all standard 24-volt ac sprinkler timers & controllers.
- Independent switch dial for manual operation.
- Waterproof 24V AC solenoid coil.
- Encapsulated solenoid plunger protects against environmental damage, enhancing reliability.
- Fail-safe design normally closed.
- Internal filtration protects the automatic solenoid.
- Slow closing to lessen possible water hammer.
- Filtered diaphragm & solenoid provides a pilot flow design structure for debris resistance and reliability.
- Nylon reinforced Plastic body for durability.
- Assembled with corrosion resistant stainless-steel #2 Phillips head screws.
- Reinforced diaphragm provides durable, high-pressure performance.

CIP-100IV

Specifications

FLOW CONTROL	No
VALVE SIZE	1"
VALVE TYPE	Inline
MATERIAL TYPE	Glass-filled Nylon
INLET/OUTLET	NPT Female x NPT Femal Threaded
OPERATING TEMPS	Up to 127°F (53°C)
AMBIENT TEMPS	Up to 176°F (80°C)
COIL RESISTANCE	30-39 OHMS
DIMENSIONS	Length 4.5"
	Width 3.3"
	Height 5.5"
ELECTRICAL SPECS	24VAC 50-60 HZ
	Inrush: .25AMPS
	Holding: .13AMPS
FLOW RANGE	1.0 GPM to 40 GPM
OPERATING PRESSURE	15 to 145 PSI (1.0 to 10.0 BAR)

NO.	DESCRIPTION	QTY
16	SCREW	6
15	MAGNET ACTUATOR	1
14	IRON CORE	1
13	WASHER	1
12	MANUAL SWITCH	1
11	INSERT	1
10	BONNET	1
9	RESET SPRING	1
8	SCREW KITS	1
7	DIAPHRAGM	1
6	WASHER	1
5	WASHER	1
4	WASHER	1
3	LOCK NUT	1
2	GASKET	1
1	BODY	1



VALVE PRESSURE LOSS (BAR)

Flow m ³ /h	l/m	100DB 1" bar
0.23	4	0.23
0.60	10	0.24
1.20	20	0.26
3.60	60	0.32
4.50	75	0.35
6.00	100	0.41
9.00	150	0.59

VALVE PRESSURE LOSS (PSI)

GPM	PSI Loss
1.0	3.3
2.6	3.5
5.3	3.8
15.9	4.6
19.8	5.1
26.4	5.9
39.6	8.6

