



VALVES

# ENDURO SERIES VALVE

**NEW**



- ✓ All New External Bleed, No Weeping, Guaranteed Shutdown
- ✓ All New Heavy Duty, Long Life Solenoid
  - Water Resistant Blue Wire
  - Vibration Resistant
  - Standard Weathermatic Thread
  - Waterproof, One Piece Epoxy Design
  - Electrically Efficient

### ✓ Durable Material

- 100% virgin PVC material gives the Enduro added strength over conventional valves
- Hydrostatic tests prove Enduro resistance to cracking at over 700 psi

### ✓ Easy Access Cover

- Phillips retaining screws and superior operation up to 150 psi
- Enduro installers will tell you they rarely need to open a Weathermatic valve

### ✓ Pressure Activated Diaphragm

- Pressure activated diaphragm ensures reliable operation with no leakage at pressures up to 150 psi

### ✓ Shocking Shock Cone

- Enduro puts the hammer to water hammer by incorporating a cone-shaped diaphragm base
- The shock cone interrupts the water flow more gradually than other diaphragms to enable quick valve closure without the damaging effect

### ✓ Amazing Value for the Price!

- Seasoned installers know that valves are the last place to cut expenses when just one call-back eliminates any cost savings on the job
- Plus, the Enduro makes it easy – you can install the commercial quality of a Weathermatic valve at a residential valve price!

### ✓ Revolutionary Reverse Flow Design

- The Weathermatic hallmark reverse flow design with a 45-year track record brings you:
- Reverse flow design means the valve fails shut rather than open in the event of diaphragm failure, unlike conventional forward flow valves that fail open
- Balanced pressure on the diaphragm extends valve life over forward flow valves
- Self-cleaning function is achieved as diaphragm actually flexes during operation to send dirt and debris down the line without the maintenance worry of filters and screens

#### ENDURO VALVE SPECIFICATIONS

MODEL	DESCRIPTION
E-100	1" Valve - FIP*
E-100F	1" Valve - FIP with Flow Control
E-100S	1" Valve - Slip x Slip
E-100SF	1" Valve - Slip x Slip with Flow Control
E-100MB	1" Valve - Male x Barb
E-100MBF	1" Valve - Male x Barb with Flow Control



**Save Water. Give Life.**  
**50 gallons**  
 given per valve



# VALVES ENDURO SERIES VALVE

- 2 year trade warranty and 100% water tested
- 150 PSI (10.3 BAR) rating
- Unique “reverse flow” 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
- Heavy duty, long life solenoid
- Engineering grade PVC body and Phillips retaining screws
- Non-rising flow control stem throttles valve from full open to closed position on flow control models

### DIMENSIONS

VALVE	LENGTH	WIDTH	HEIGHT
E-100 Series	4.88" (12.4 cm)	3.25" (8.23 cm)	5" (12.7 cm)

### ELECTRICAL

24VAC/60HZ	24VAC/50Hz
Inrush: 9.48 VA	Inrush: 10.66 VA
Holding: 5.11 VA	Holding: 5.97 VA

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

### ENDURO SERIES VALVE PRESSURE LOSS

FLOW GPM	LOSS PSI	FLOW M <sup>3</sup> /HR	LOSS BAR
0-4	1.2 max	0-1.0	0.09 max
4	1.2	1.0	0.09
6	1.7	1.5	0.14
8	2.5	2.0	0.19
10	3.0	2.5	0.22
12	3.4	3.0	0.25
14	3.8	3.5	0.28
16	4.1	4.0	0.30
18	4.4	4.5	0.32
20	4.6	5.0	0.33
22	4.8	5.5	0.35
24	5.1	6.0	0.38
26	5.4	6.5	0.41
28	5.8	7.0	0.45
30	6.3	7.5	0.47
32	6.6	8.0	0.50
35	7.3	8.5	0.51

Application	Residential
Flow Range	0.2 to 35 GPM 0 to 8.5 m <sup>3</sup> /hr
Pressure Rating	150 PSI (10.3 BAR)
Sizes	1"
XPR Compatible	-
Non-Potable Water	✓
Decoder System Compatible	✓
Use as Master Valve	Add S24B solenoid
Warranty	2 years
Factory Installed Options	-XP -NP