



# 150 Valve Specifications

Stainless Steel Control Valve



# 150

## 1 1/2-inch 316 Stainless Steel Control Valve



### Logix Electronic Controller



- 742 Time Clock
- 762 Demand
- Programmable Cycles
- Two Programmable Relay Outputs
- 24-Hour Super-Capacitor Backup – no battery necessary
- Ready for Multiple Tank Applications

### Electronic Position Controller



- No Mechanical Switches
- Two optical sensors

### Stainless Steel Valve Body



- Inlet/Outlet – 1-1/2-inch NPT and BSPT
- Brine – 1/2-inch NPT
- Passivated 316 Stainless Steel

### Valve Adapters



#### Top Mount

- 1-1/2-inch Riser
- 4-inch – 8 UN Thread
- Passivated 316 Stainless Steel

#### Side Mount

- 1-1/2-inch NPT/BSPT

### Hinged Removable Cover



- Easy latch system
- NEMA 4 protection

### 1-Piece Piston



- Replace Without Tools (drain line flow control removed)
- Patent Pending
- Passivated 316 Stainless Steel

### Drain Line Flow Controls



#### 3/4-inch Flow Control

- 3, 4, 5, 6, 7, 9, 10, 12, 15, 25 GPM and Open
- NPT/BSPT
- Passivated 316 Stainless Steel

### Plug Options



U.S. (Grounded)



Europe



Australia/  
China



U.K.  
(Removable)



Japan



#### 1-1/2-inch Flow Control

- 20, 25, 30, 35 GPM and Open
- NPT/BSPT
- Passivated 316 Stainless Steel

# Specifications

## Flow Rates (Valve Only) 1-1/2" Drain Line Flow Control

Service @ 15 psi (1.03 bar) drop .....	57 gpm (13.0 m <sup>3</sup> /hr)
Service Cv .....	14.8 (Kv = 12.8)
Backwash @ 15 psi (1.03 bar) drop .....	55 gpm (12.6 m <sup>3</sup> /hr)
Backwash @ 25 psi (1.72 bar) drop .....	71.5 gpm (16.2 m <sup>3</sup> /hr)
Backwash Cv .....	14.3 (Kv = 12.4)
Fast Rinse @ 25 psi (1.72 bar) drop .....	38.6 gpm (8.8 m <sup>3</sup> /hr)
Fast Rinse Cv .....	7.7 (Kv = 6.7)

## Controller Operation

### Timer Configuration:

742 .....	Electronic Time Clock
762 .....	Demand Control

### Cycles:

All Preset or Adjustable

## Valve Connections/Dimensions

Tank Thread .....	4 inches – 8 UN
Inlet/Outlet .....	1-1/2-inch NPT or BSPT Female
Brine Line .....	1/2-inch NPT or BSPT Female
Drain Line .....	1-1/2-inch (Filter) NPT or BSP 3/4-inch (Softener) NPT or BSP
Distributor Tube Diameter .....	1-1/2-inch (50 mm)
Distributor Tube Length .....	3/16-inch below top of tank thread (+/- 1/8-inch)

## Design Specifications/Ratings

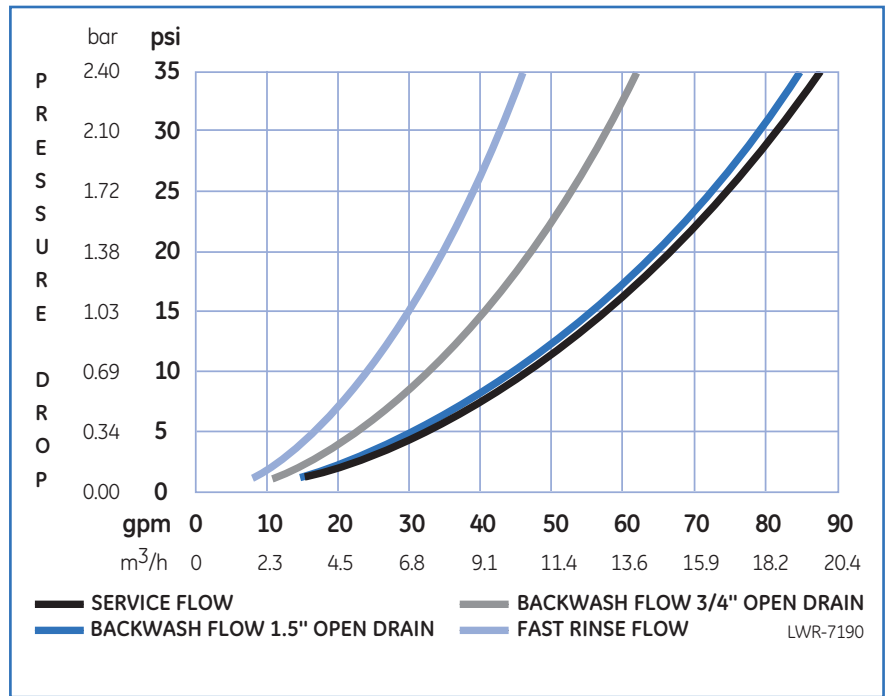
Valve Body .....	316 Stainless Steel (Passivated)
Rubber Components .....	EPDM (Chloramine resistant) NSF/WRAS Listed Materials
Transformer Output .....	12VAC 400mA
Transformer Input .....	115V 50/60 Hz; 230V 50/60 Hz; 100V 50/60 Hz; 200V 50/60 Hz
Recommended Operating Pressure .....	20-125 psi (1.38 - 8.6 bar)
Water Temperature .....	34° - 180°F (1° - 82°C)
Agency Approvals .....	UL, CSA, TÜV and CE, ANSI/NSF 61 Pending

## Options

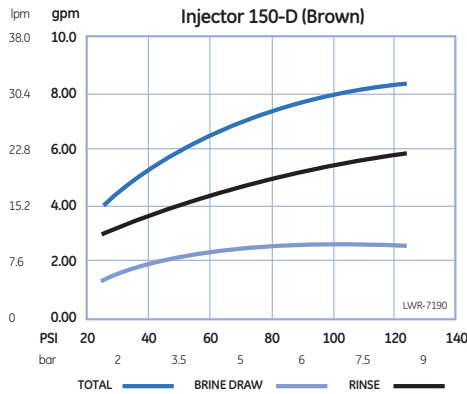
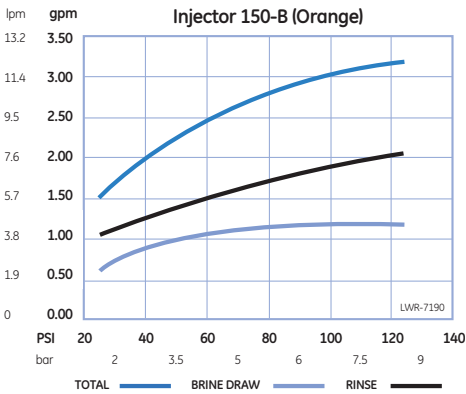
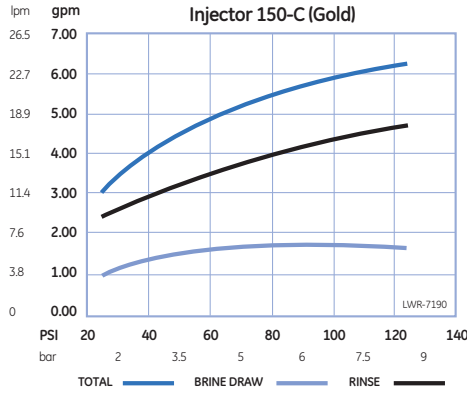
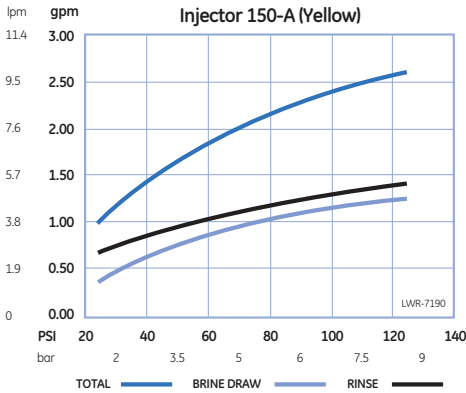
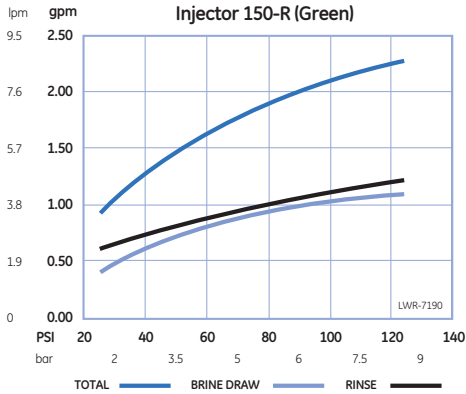
- No untreated water bypass valve configuration available
- Twin alternating configuration available
- Time refill brine
- Top- or side-mount configuration
- Sequential regenerating systems

For More Information:  
 Call GE Water & Process Technologies;  
 Residential and Commercial Group at  
 (262) 238-4400 or (800) 245-9421,  
 or visit [www.gewater.com](http://www.gewater.com)

# Valve Flow Rate Characteristics



## Injector Performance



## 150 Valve Outline Dimensions

