

Performa™ Cv Control Valves

273 and 278 Configurations

Pentair Water® offers a full range of Autotrol® Control Valves to meet a wide range of water conditioning applications.

Logix™ Series

742 Time Clock

- Simple, economic electronic time clock (chronometric)
- 7- or 99-day regeneration setting
- 12-volt operation
- Filter or conditioner setting in one control

- Fully programmable cycle times
- Salt setting in 1-pound increments
- Operates 255, 263, 268, 273, 278, and Magnum® IT with one controller

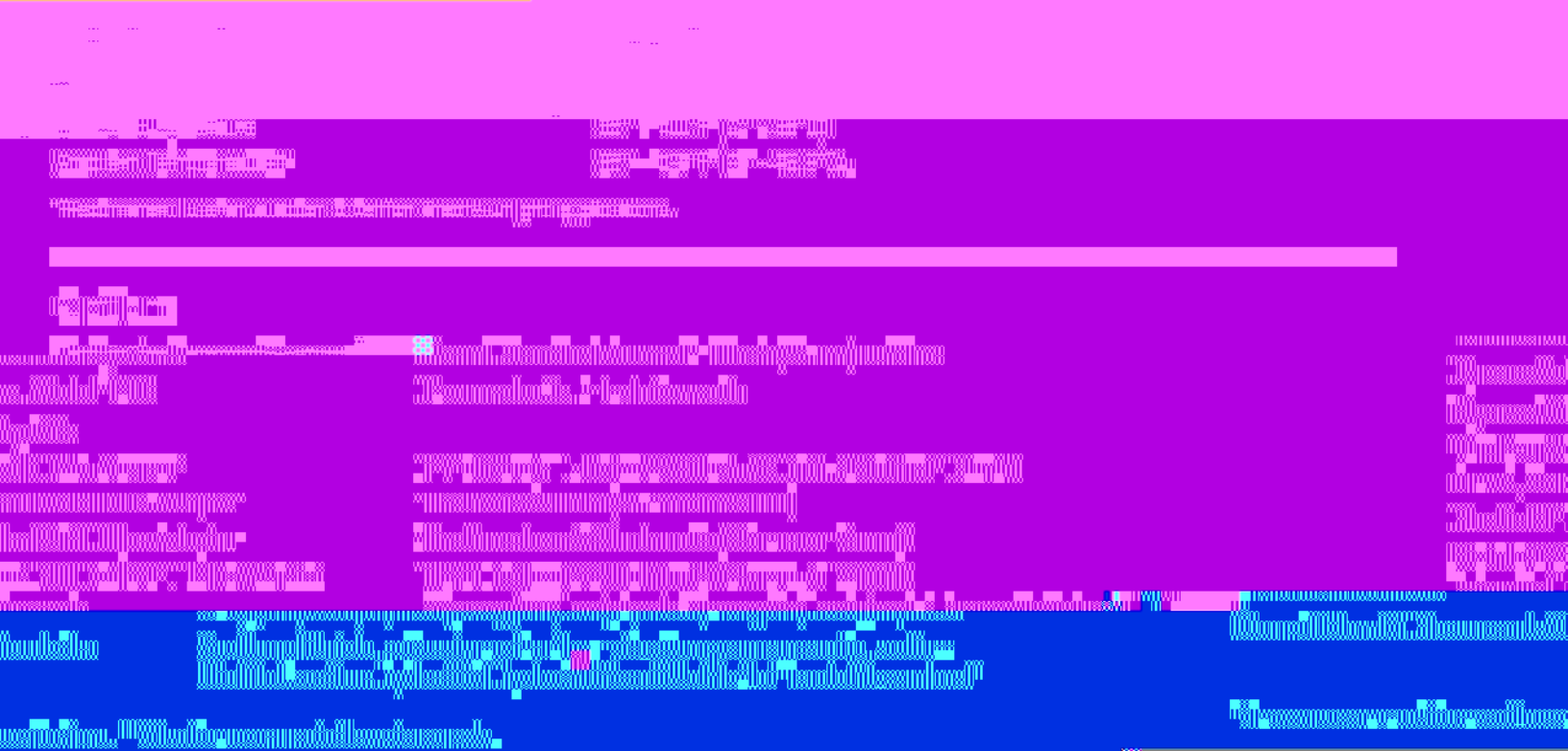
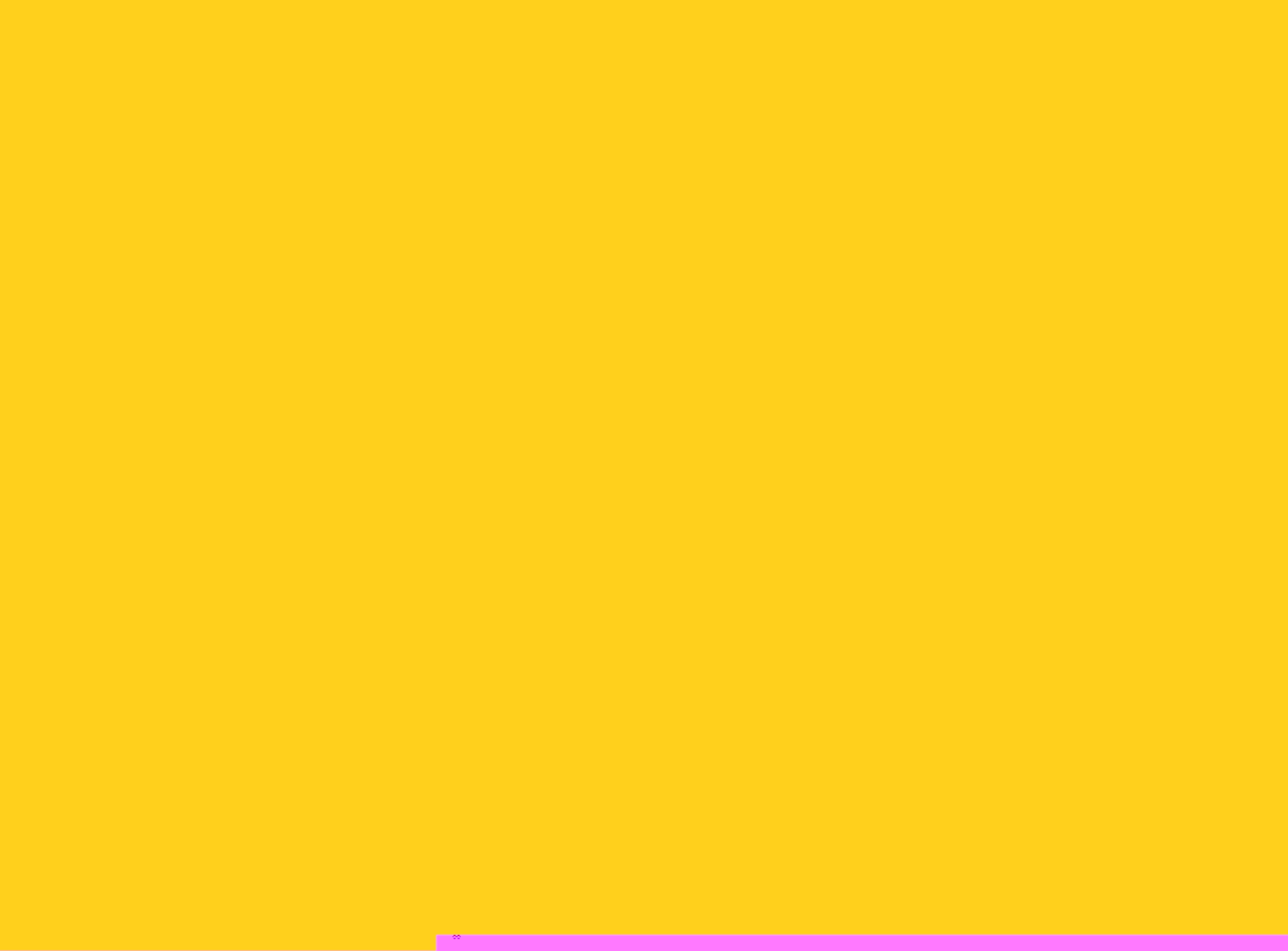
762 Demand

- Simple, economic electronic demand (volumetric)
- Calendar override
- 12-volt operation
- 28-day variable reserve
- Automatic capacity calculations
- Fully programmable cycle times
- Salt setting in 1-pound increments
- Operates 255, 263, 268, 273, 278, and Magnum IT with one controller

764 Demand

- Same features as the 762, plus:
- Multi-tank applications (twin alternating, multi-tank parallel)
- Control lockout
- Demand override





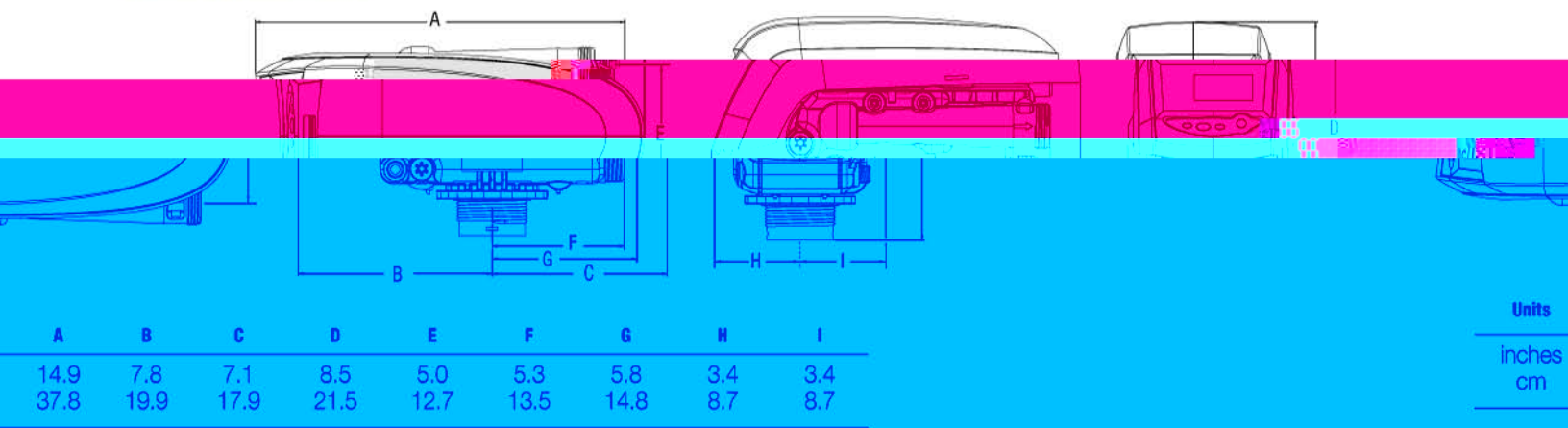


Dimensions

Valve Connections

Tank Thread	2-1/2-inches – 8, male
Inlet/Outlet Threads	1-3/4-inches – 12 UNC-2A male
Drain Line	3/4-inch NPT, male
Brine Line	3/8-inch NPT, male
Distributor Tube Diameter	1.050 inches (27 mm)
Distributor Tube Length	1/2 ± 1/2-inches (13 ± 13 mm) above top of tank

Outline Dimensions



Performance

Flow Rates (Valve On Service)

Backwash @ 25 psi (1.72 bar) drop	20.0 gpm (4.5 m ³ /h)
Service	Cv = 6.50 (Kv = 5.6)
Backwash	Cv = 4.00 (Kv = 3.5)

Control Table

Logix™ Series Controller Flow Rate Characteristics

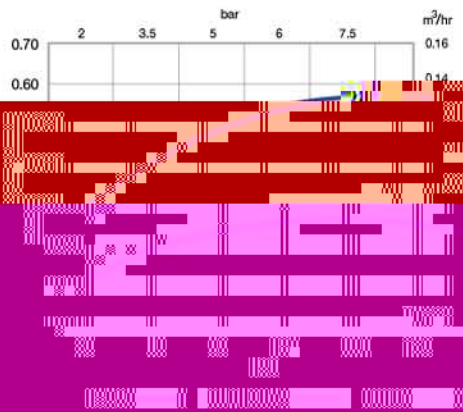
Backwash Flow Co



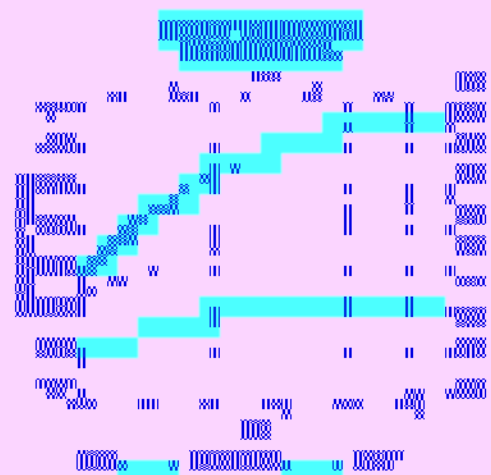
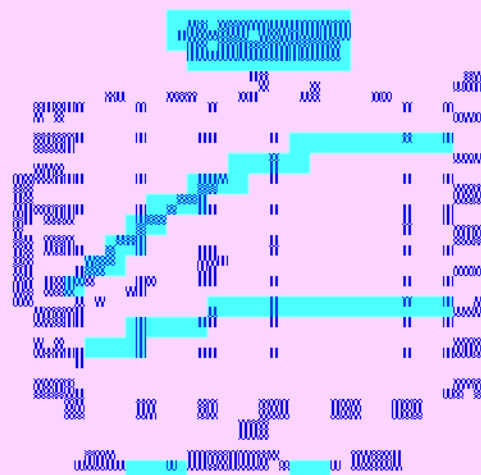
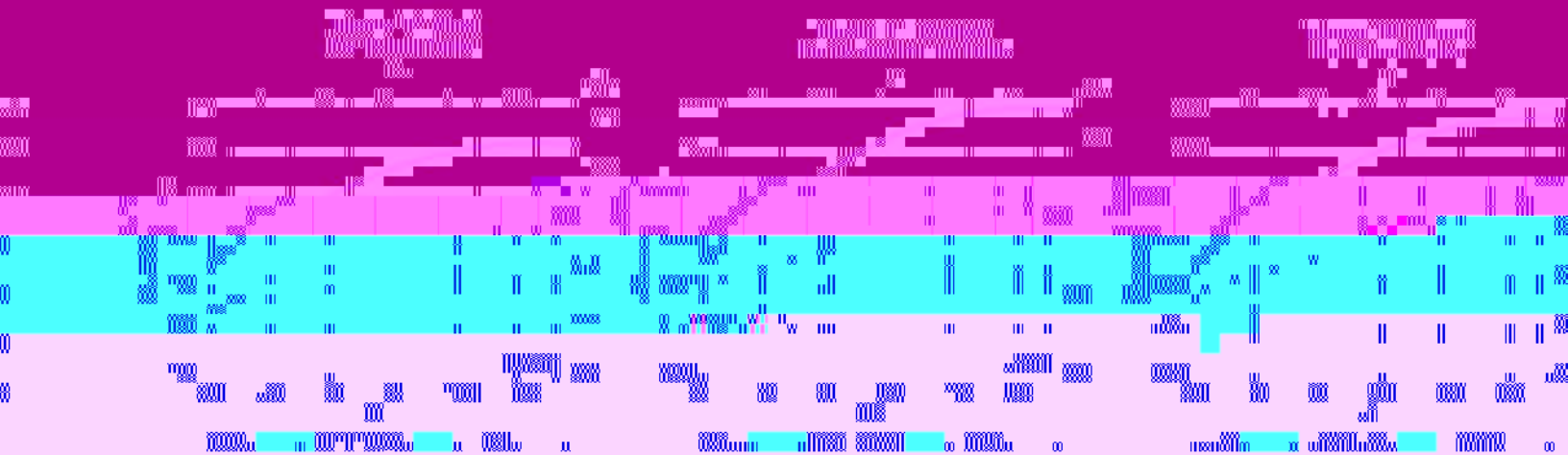
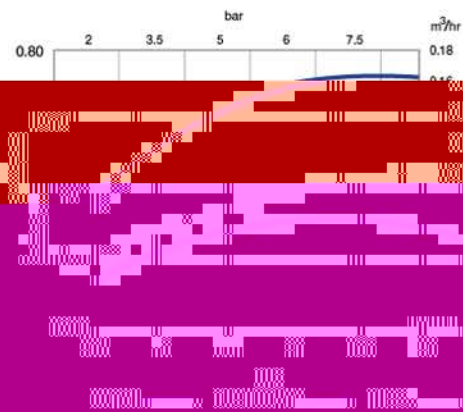
Injector* Performance

Logix™ Series Controllers

Injector "H" (Light Purple)
For 9-inch Tanks

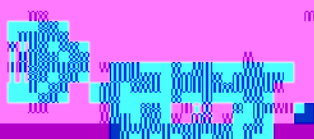


Injector "J" (Light Blue)
For 10-inch Tanks



*Performance is based on a flow rate of 0.65 m³/hr at 2 bar and 0.68 m³/hr at 7.5 bar.

Logix™ Series Controllers are designed for use in a variety of applications. The flow rate and pressure range shown in this graph are typical for a 9-inch tank. For a 10-inch tank, the flow rate and pressure range will be higher. For a 12-inch tank, the flow rate and pressure range will be even higher. The flow rate and pressure range shown in this graph are typical for a 9-inch tank. For a 10-inch tank, the flow rate and pressure range will be higher. For a 12-inch tank, the flow rate and pressure range will be even higher.



Logix Series Controllers
Flow rate and pressure range
0.65 m³/hr at 2 bar
0.68 m³/hr at 7.5 bar

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