

Performa™ Cv Control Valves

Autotrol® Water Control Systems

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

Controller Operating Voltage	12 Volt – AC (Requires use of Pentair Water®-supplied transformer)
Input Supply Frequency	50 or 60 Hz (Controller configuration dependent)
Motor Input Voltage	12 Volt – AC
Controller System Power Consumption	3 Watts

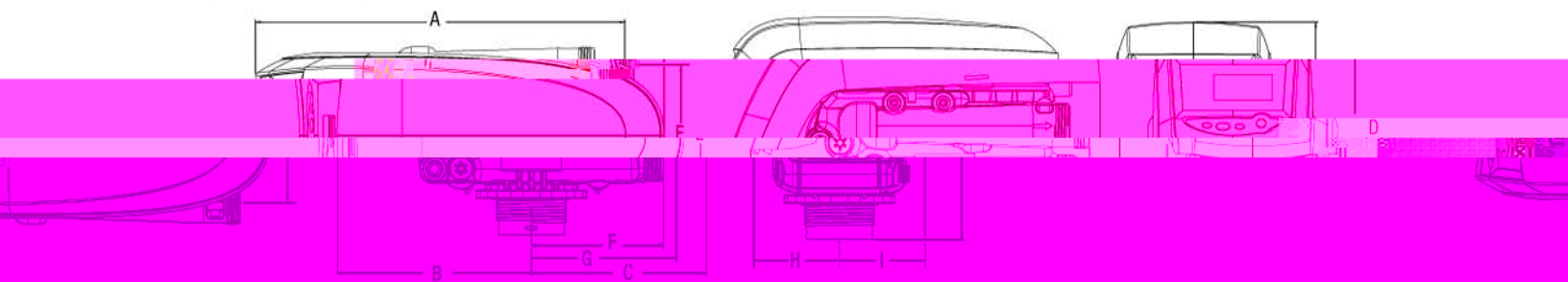


Dimensions

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



	A	B	C	D	E	F	G	H	I
inches	14.9	7.8	7.1	8.5	5.0	5.3	5.8	3.4	3.4
mm	378	199	179	215	127	135	148	87	87

Only)

1 bar drop	25.0 gpm (5.7 m³/h)
2 bar drop	20.0 gpm (4.5 m³/h)
	Cv = 6.50 (Kv = 5.6)
	Cv = 4.00 (Kv = 3.5)

Controller Flow Rate Characteristics

Backwash Flow Control Table

Performance

Flow Rates (Valve)

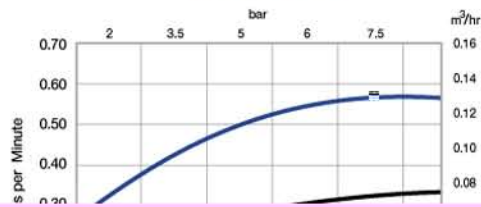
Service @ 15 psi (1.03 bar)
Backwash @ 25 psi (1.72 bar)
Service
Backwash

Logix™ Series Con

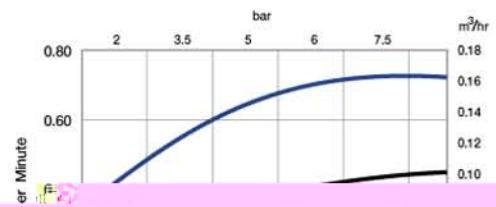
Injector* Performance

Logix™ Series Controllers

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

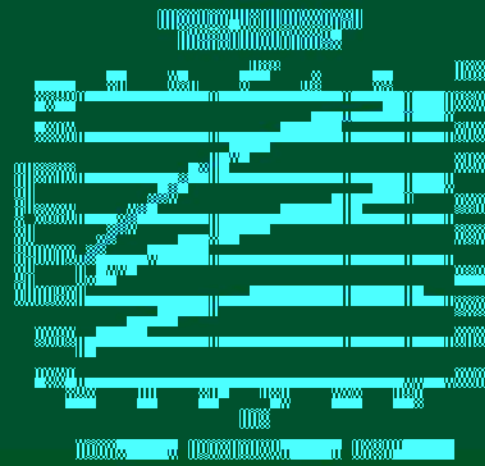
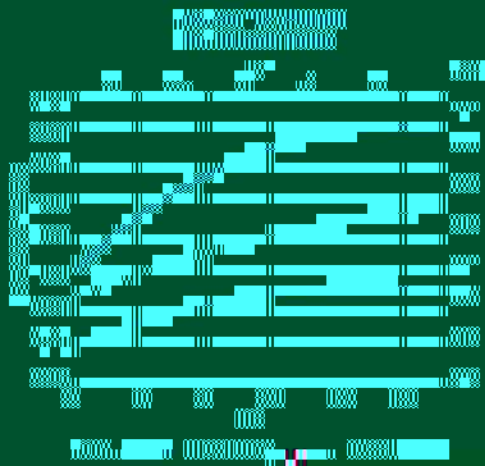
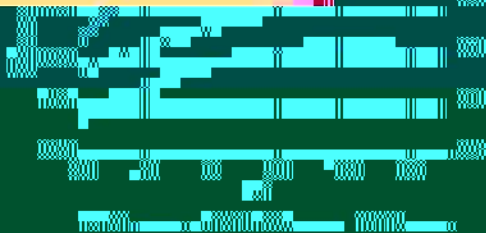
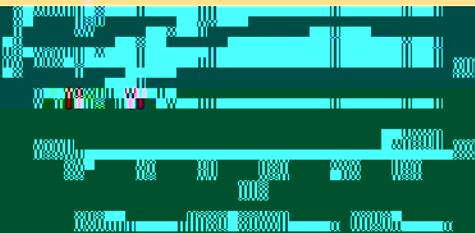
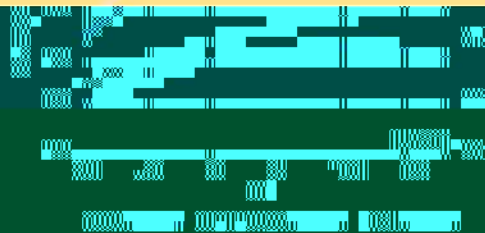


Injector "J" (Light Blue)
For 10-inch Tanks

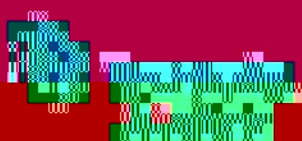


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For more information, please visit our website at www.logixseries.com or contact us at 1-800-451-1000.



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