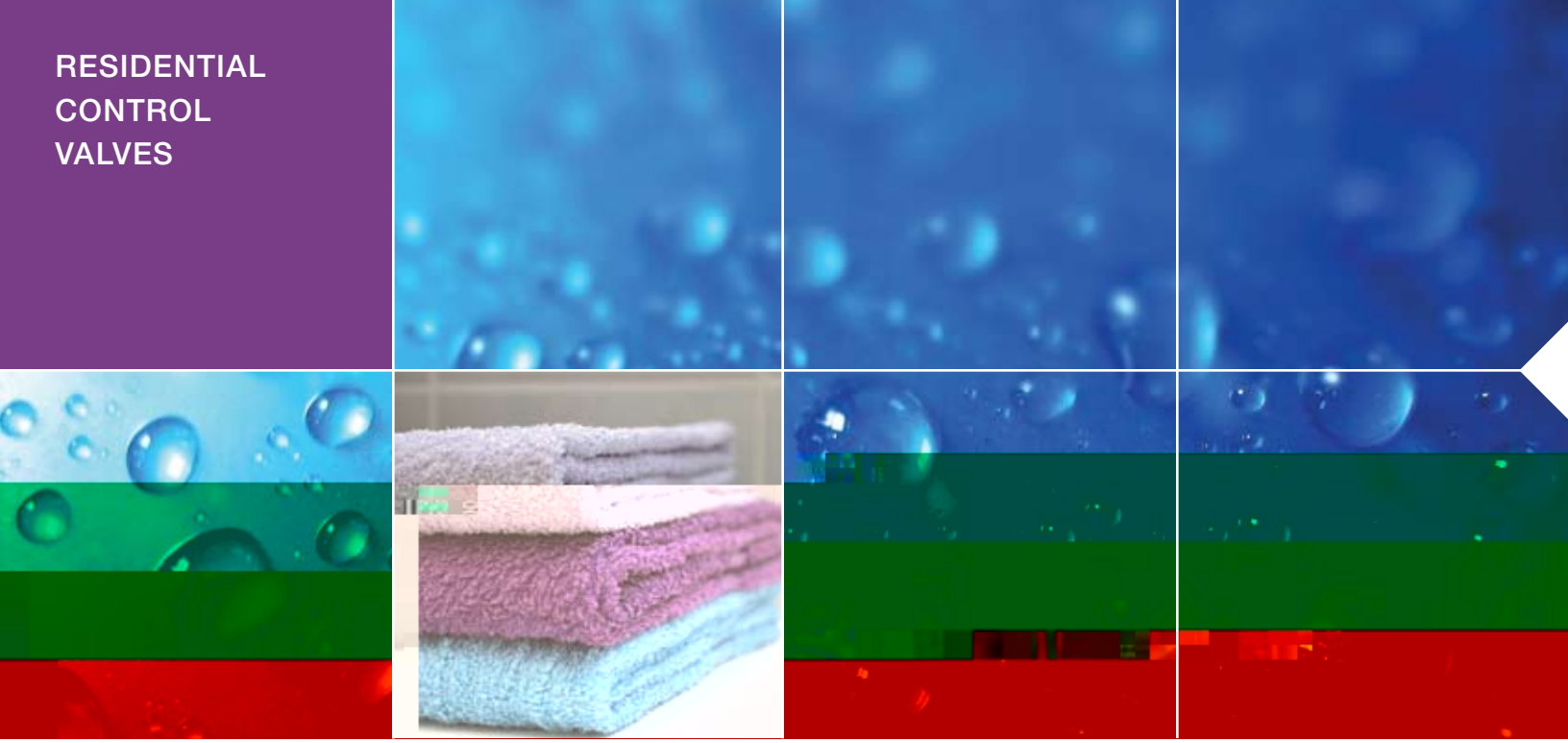
RESIDENTIAL
CONTROL
VALVES



255 Control Valves

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

Logix™ Series

740 Time Clock

- Simple, economic electronic time clock (chronometric)
- 7- or 99-day regeneration setting
- High efficiency regeneration sequence
- 12-volt operation
- Filter or conditioner setting in one control
- Operates 255, 263, 268 with one controller

742 Time Clock

Same features as the 740 Time Clock, plus:

- Fully programmable cycle times
- Salt setting in 1-pound increments
- Optional no-salt detector
- Operates 255, 263, 268, 278, and Magnum® IT with one controller

760 Demand

- Simple, economic electronic demand (volumetric)
- Calendar override
- 12-volt operation
- 28-day variable reserve
- High efficiency regeneration sequence
- Automatic capacity calculations
- Operates 255, 263, 268 with one controller

762 Demand

Same features as the 760, plus:

- Fully programmable cycle times
- Salt setting in 1-pound increments
- Optional no-salt detector
- Operates 255, 263, 268, 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
- Remote regeneration

Autotrol
Pentair Wat

255 Control Valves

Electrical

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 average

Transformer – All Controllers

All Controllers require the use of a Pentair Water-supplied transformer.

Transformer Output Voltage	12 Volt – AC 400mA	
Transformer Input Options	115 Volt – AC 50/60 Hz; 230 Volt – AC 50/60 Hz; 100 Volt – AC 50/60 Hz	
Transformer Plug Options	Indoor North American Plug	Taiwan/Korea Plug
	Outdoor North American (UL Listed for outdoor use)	Australian Plug
		United Kingdom Plug
	Japanese Plug	Mainland Europe Plug

Additionag

Dimensions

Valve Connections

Tank Thread	2-1/2-inches – 8, male
Inlet/Outlet Manifold *(brass or thermoplastic)*	1-inch NPT or BSPT, female 3/4-inch NPT or BSPT, female 3/4-inch NPT or BSPT, male (thermoplastic) 1/2-inch NPT or BSPT, male (thermoplastic)
Drain Line	1/2-inch (manifold dependent)
Brine Line	1/4-inch or 3/8-inch NPT, male; air check built into valve
Distributor Tube *(diameter)*	1.050 inches (27 mm) or 13/16-inch (20.6 mm)
Distributor Tube *(length)*	1-1/8 ± 1/8 inches (29 mm ± 3 mm) above top of tank

Injector* Performance

Logix™

Pentair Water

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