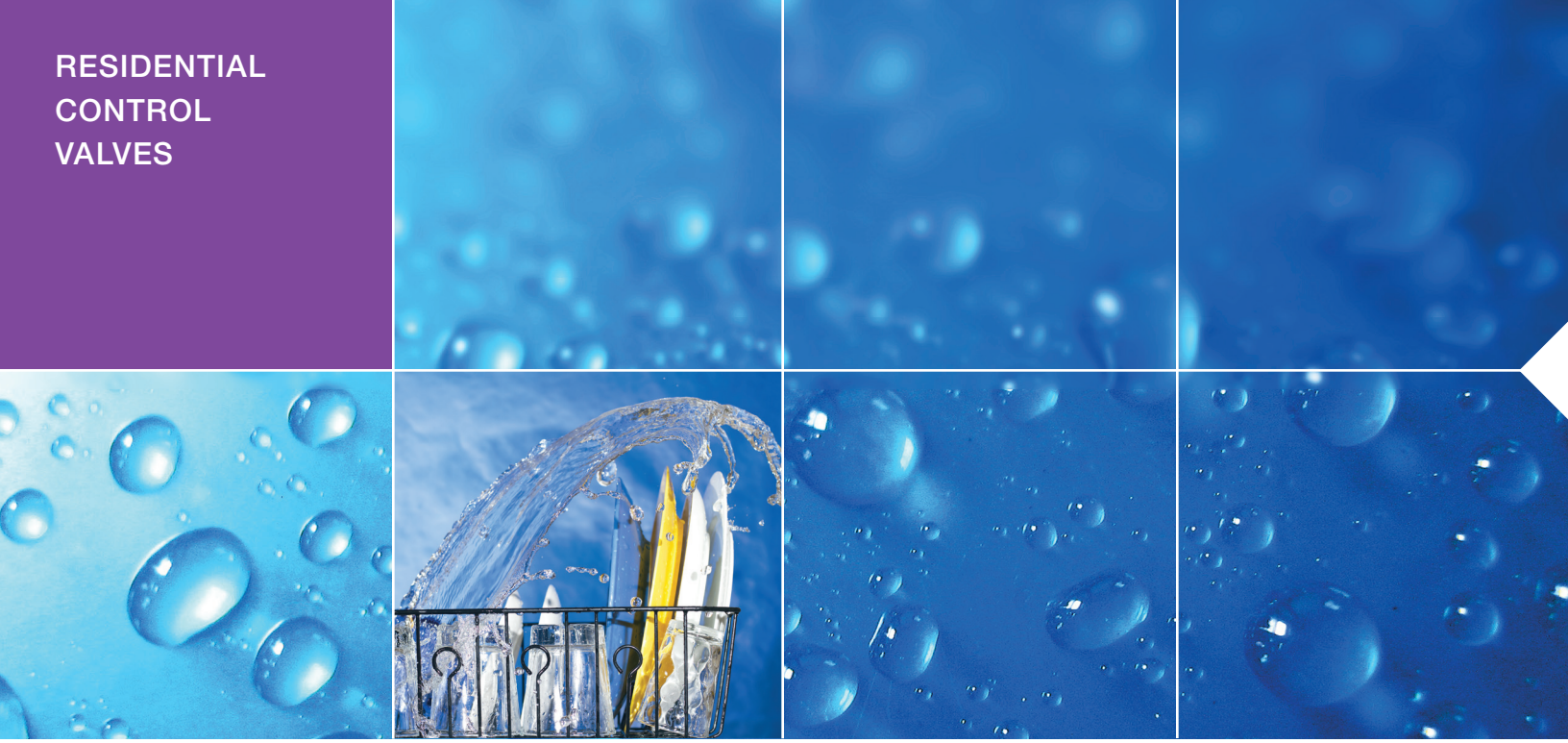
RESIDENTIAL
CONTROL
VALVES



Fleck® 2510 Control Valves

High Performance

Features

- Fully adjustable, 5-cycle control delivers upflow backwash, downflow brining, slow rinse, rapid rinse, brine refill, and downflow service
- Time-tested, hydraulically-balanced piston, seal and spacer concept to pilot service flow and regeneration
- Non-corrosive, fiber-reinforced polymer construction
- Excellent flow rates (19 GPM continuous, 24 GPM peak)
- Backwash capacity handles tanks up to 16" in diameter for softener and filter applications

Pentair
Water

RESIDENTIAL CONTROL VALVES

Fleck® 2510 Control Valves

High Performance

Options

- Corrosion-free bypass valve
- Mechanical or electronic timers
- Choice of 7- or 12-day clock timers
- Environmental cover
- Auxiliary switches
- Meter delayed or immediate initiated regeneration
- Filter or softener control valves

Operating Specifications

VALVE SPECIFICATIONS

Valve Material	Fiber-reinforced polymer
Inlet/Outlet	.75", 1" or 1.25"
Cycles	5

FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous (15 psi drop)	19 GPM
Peak (25 psi drop)	24 GPM
Cv (flow at 1 psi drop)	4.8
Max. Backwash (25 psi drop)	17 GPM

REGENERATION

Downflow/Upflow	Downflow only
Adjustable Cycles	Yes
Time Available	Electromechanical: 164 minutes SXT: 0 - 199 minutes per cycle XT: 0 - 240 minutes per cycle

METER INFORMATION

Meter Accuracy	.25 - 15 GPM +/- 5%
Meter Capacity Range (gal.)	Standard: 125 - 2,125 Extended: 625 - 10,625 SXT: 1 - 999,900 XT: 1,000 - 9,900,000

DIMENSIONS

Distributor Pilot	1.05" O.D.
Drain Line	.5" O.D.
Injector Brine System	1600
Brine Line	.375"
Mounting Base	2.5" - 8 NPSM
Height from Top of Tank	7.5"

TYPICAL APPLICATIONS

Water Softener	6" - 16" diameter (limited by maximum injector size)
Filter	8" - 16" diameter (based on 10 GPM per sq. ft.)

ADDITIONAL INFORMATION

Electrical Rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Estimated Shipping Weight	Time clock: 7 lbs. Metered valve: 10 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F

Pentair Water

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