

# CONTROL VALVES



## 255 SERIES RESIDENTIAL CONTROL VALVES WITH 3/4 INCH INTERNAL PORTING

### Autotrol 255 Series Valves

Service Flow @ 15 psi . . . . . 15.5 gpm (3.52 m<sup>3</sup>/h)  
 Backwash @ 25 psi . . . . . 6.0 gpm (1.36 m<sup>3</sup>/h)  
 Service . . . . . Cv = 3.99 (Kv = 3.4)  
 Backwash . . . . . Cv = 1.20 (Kv = 1.0)

For Tank Sizes \* . . . . . 6 thru 14 inch diameter  
 Tank Thread . . . . . 2.5" #8 NPSM  
 Riser Port . . . . . 1.050" OD pipe (3/4" NPS)

\* Application dependent



255 Series  
3/4 Inch Valve Body  
with 440i Clock Control  
without Cover



440i Clock  
Control



740 Logix Electronic  
Clock Control



460i Demand  
Control



760 Metered  
Demand Control

### 3/4" Softener Control Valves — Must choose (IN) Injector and (BW) Backwash Flow Control (See below).

Requires Plumbing Connections (See other side for Manifold Kits or Optional Manual Bypass Valves & Bypass Adapter Kits).

Part Number	Description	Regen. Cycle	Qty./ Carton	Carton Weight
2544-(IN)(BW)	255/440i Clock Control, w/ Cover — Basic Settings	6 or 7 Day	8	51 lbs.
2574-(IN)(BW)	255/740 Logix Electronic Clock Control, w/ Cover — Semi-Programmable	7 or 99 Day	4	30 lbs.
25742-(IN)(BW)	255/742 Logix Electronic Clock Control, w/ Cover — Fully-Programmable	7 or 99 Day	4	30 lbs.
2546-(IN)(BW)	255/460i Metered Demand Control, w/ Cover — Semi-Programmable	Demand	8	54 lbs.
2576-(IN)(BW)	255/760 Logix Metered Demand Control, w/ Cover — Semi-Programmable	Demand	4	30 lbs.
25762-(IN)(BW)	255/762 Logix Metered Demand Control, w/ Cover — Fully-Programmable	Demand	4	30 lbs.

### 3/4" Filter Control Valves — Must choose (BW) Backwash Flow Control (See below).

Requires Plumbing Connections (See other side for Manifold Kits or Optional Manual Bypass Valves & Bypass Adapter Kits).

Part Number	Description	Regen. Cycle	Qty./ Carton	Carton Weight
2344-(BW)	253/440i Clock Control, w/ Cover — Basic Settings	6 or 7 Day	8	51 lbs.
2374-(BW)	253/740F Logix Electronic Clock Control, w/ Cover — Semi-Programmable	7 or 99 Day	4	30 lbs.
23742-(BW)	253/742F Logix Electronic Clock Control, w/ Cover — Fully-Programmable	7 or 99 Day	4	30 lbs.
2376-(BW)	253/760F Logix Metered Demand Control, w/ Cover — Semi-Programmable	Demand	4	30 lbs.
23762-(BW)	253/762F Logix Metered Demand Control, w/ Cover — Fully-Programmable	Demand	4	30 lbs.

### (IN) Injectors & (BW) Backwash Flow Controls — Must choose from the following when ordering Control Valves.

Option Code (x)	Description
(IN) = A, B, or C	440i, 460i, 960 Control Injector Nozzle: (A: 6"-7" Tanks), (B: 8"-12" Tanks), (C: 10"-14" Tanks)
(IN) = E, F, G, H, J, K, or L	740, 742, 760, 762 Control Injector Nozzle: (E: 6" Tank), (F: 7" Tank), (G: 8" Tank), (H: 9" Tank), (J: 10" Tank), (K: 12" Tank), (L: 13" or 14" Tank)
(BW) = 00	No Backwash Flow Control — "Open"
(BW) = PL	No Backwash Flow Control — "Plugged"
(BW) = 06, 07, 08, 09, 10, or 12	Backwash Flow Control: (06: 0.9 GPM, 6" Tank), (07: 1.2 GPM, 7" Tank), (08: 1.6 GPM, 8" Tank), (09: 2.0 GPM, 9" Tank), (10: 2.5 GPM, 10" Tank), (12: 3.5 GPM, 12" Tank) <b>Tank sizes are for typical softener applications.</b>
(BW) = 13 or 14	Backwash Flow Control: (13: 4.5 GPM, 13" Tank), (14: 5.3 GPM, 14" Tank) <b>Tank sizes are for typical softener applications.</b>

50 Hz available at additional cost.

# CONTROL VALVES



## 255 SERIES RESIDENTIAL CONTROL VALVES WITH 3/4 INCH INTERNAL PORTING



**i-Lid  
Cover**



**Logix  
Cover**



**Stainless Steel  
Manifold Kit**



**Noryl  
Manifold Kit**



**Noryl Turbine  
Manifold Kit**



**Manual  
Bypass Valve**



**Bypass  
Adapter Kit**

### Manifold Kits — Required for Control Valves if NOT using Optional Manual Bypass Valves & Bypass Adapter Kits

Part Number	Description
UA-3023763	3/4 inch NPT Stainless Steel Manifold Kit with Installation Hardware and O-rings
UA-1040279	3/4 inch NPT Noryl Manifold Kit with Installation Hardware and O-rings
UA-3023761	3/4 inch BSPT Stainless Steel Manifold Kit with Installation Hardware and O-rings
UA-1040283	3/4 inch BSPT Noryl Manifold Kit with Installation Hardware and O-rings
UA-1234253	3/4 inch MNPT Male Manifold Kit with Installation Hardware and O-rings
UA-1234257	3/4 inch MNPT Male Manifold Kit with Turbine, Installation Hardware, and O-rings
UA-3023749	1 inch NPT Stainless Steel Manifold Kit with Installation Hardware and O-rings
UA-3023747	1 inch BSPT Stainless Steel Manifold Kit with Installation Hardware and O-rings
UA-1234254	1 inch MNPT Male Manifold Kit with Installation Hardware and O-rings
UA-1234258	1 inch MNPT Male Manifold Kit with Turbine, Installation Hardware, and O-rings

### Manual Bypass Valves — Optional — Requires Bypass Adapter Kit (See below)

Part Number	Description
UA/BV256	Manual Bypass Valve for All 255 Valves

### Bypass Adapter Kits — Required for Control Valves using Optional Manual Bypass Valves (See above)

Part Number	Description
UA-1001606	3/4 inch Copper Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts — 0.875" OD
UA-1001613	3/4 inch CPVC Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts — 3/4" Spigot, 1.050" OD
UA-1001769	3/4 inch NPT ABS Plastic Threaded Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts
UA-1001604	3/4 inch BSPT ABS Plastic Threaded Pipe Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts
UA-3023824	3/4 inch BSPT Stainless Steel Pipe Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts
UA-1001670	1 inch Copper Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts — 1.125" OD
UA-1001614	1 inch CPVC Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts — 1" Spigot, 1.315" OD
UA-1001603	1 inch NPT ABS Plastic Threaded Pipe Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts
UA-1001605	1 inch BSPT ABS Plastic Threaded Pipe Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts
UA-3023828	1 inch NPT Stainless Steel Threaded Pipe Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts
UA-3023807	1 inch BSPT Stainless Steel Threaded Pipe Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts
UA-1041210	1.25 inch Copper Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts — 1.625" OD
UA-1001608	22mm Copper Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts — 22 mm OD
UA-1001615	25mm CPVC Tube Adapter Kit with (2) Adapters, (2) Gaskets, (2) Durez Nuts — 25 mm OD
UA-1040547	Special 90° Elbow Adapter Kit (Must order above adapters for installation) — No longer available

### Covers

Part Number	Description
UA-1000062	Black "i-Lid" Cover with Smoke Lens for All Valves with 400 Series Controls
UA-1236246	Dark Gray Logix Valve Cover for All Valves with 700 Series Controls

Other special covers are available upon request.