

# CONTROL VALVES



## PERFORMA CV SERIES CONTROL VALVES RESIDENTIAL / LIGHT COMMERCIAL WITH 1 INCH INTERNAL PORTING

### Performa Cv Series Valves

Tank Thread	2.5" #8 NPSM
Drain Line	3/4 inch MNPT
Brine Line	3/8 inch MNPT
For Tank Sizes *	14 thru 21 inch diameter
Riser Port	1.050" OD pipe (3/4" NPS)

### Design Specifications

Operating Pressure	20 to 120 psi (1.38 to 8.27 bar)
Water Temperature	35 to 100°F (2 to 38°C)

### Flow Rates (Valve Only)

Service @ 15 psi (1.03 bar) drop	25 gpm (5.7 m³/hr)
Backwash @ 25 psi (1.72 bar) drop	20 gpm (4.5 m³/hr)
Service	Cv = 6.50 (Kv = 5.6)
Backwash	Cv = 4.00 (Kv = 3.5)

\* Application dependent



Performa Cv  
1 Inch Valve Body  
with 762 Logix Demand  
Control and Cover



742 Logix Electronic  
Clock Control



762 Metered  
Demand Control

**1" Softener Control Valves** — Must choose (IN) Injector and (BW) Backwash Flow Control (See below).  
Requires Plumbing Connections (See other side for Adapter Kits and Optional Manual Bypass Valves).

Part Number	Description	Regen. Cycle	Qty./ Carton	Carton Weight
278742-(IN)(BW)	278/742 Logix Electronic Clock Control, w/ Cover — Fully-Programmable	7 or 99 Day	4	31 lbs.
278762-(IN)(BW)	278/762 Logix Metered Demand Control, w/ Cover — Fully-Programmable	Demand	4	33 lbs.

**1" Filter Control Valves** — Must choose (BW) Backwash Flow Control (See below).  
Requires Plumbing Connections (See other side for Adapter Kits and Optional Manual Bypass Valves).

Part Number	Description	Regen. Cycle	Qty./ Carton	Carton Weight
273742-(BW)	273/742F Logix Electronic Clock Control, w/ Cover — Fully-Programmable	7 or 99 Day	4	31 lbs.
273762-(BW)	273/762F Logix Metered Demand Control, w/ Cover — Fully-Programmable	Demand	4	33 lbs.

**(IN) Injectors & (BW) Backwash Flow Controls** — Must choose from the following when ordering Control Valves. [1]

Option Code (x)	Description
(IN) = M, N, Q, R	742, 762 Control Injector Nozzle: (M: 14" Tank), (N: 16" Tank), (Q: 18" Tank), (R: 21" Tank)
(BW) = 00	No Backwash Flow Control — "Open"
(BW) = PL	No Backwash Flow Control — "Plugged"
(BW) = 14 [1]	Backwash Flow Control: (14: 5.3 GPM, 14" Tank) <b>Backwash flow controls are sized for 5.0 gpm/sq.ft. Tank sizes are for typical softener applications.</b>

[1] External backwash flow controls required for 16 inch (7 gpm), 18 inch (9 gpm), and 21 inch (12 gpm) tanks. See next page.  
50 Hz available at additional cost.

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## PERFORMA CV SERIES CONTROL VALVES RESIDENTIAL / LIGHT COMMERCIAL WITH 1 INCH INTERNAL PORTING



Logix  
Cover



Adapter  
Kit



Manual  
Bypass Valve



Backwash  
Flow Control

### Adapter Kits — Required for ALL Control Valves

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

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

Part Number	Description
UA/BV1265	Manual Bypass Valve for All Performa Valves

### External Backwash Flow Controls

Part Number	Description
BWFC-.75/5	3/4" FPT x 1/2" FPT Flow Control — 5 GPM (18.9 LPM)
BWFC-.75/6	3/4" FPT x 1/2" FPT Flow Control — 6 GPM (22.7 LPM)
BWFC-.75/7	3/4" FPT x 1/2" FPT Flow Control — 7 GPM (26.5 LPM)
BWFC-.75/8	3/4" FPT x 1/2" FPT Flow Control — 8 GPM (30.3 LPM)
BWFC-.75M/8	3/4" FPT x 3/4" MPT Flow Control — 8 GPM (30.3 LPM)
BWFC-.75M/9	3/4" FPT x 3/4" MPT Flow Control — 9 GPM (34.1 LPM)
BWFC-.75M/10	3/4" FPT x 3/4" MPT Flow Control — 10 GPM (37.9 LPM)
BWFC-.75M/12	3/4" FPT x 3/4" MPT Flow Control — 12 GPM (45.4 LPM)
BWFC-.75M/15	3/4" FPT x 3/4" MPT Flow Control — 15 GPM (56.8 LPM)
BWFC-.75M/20	3/4" FPT x 3/4" MPT Flow Control — 20 GPM (75.7 LPM)

### Covers

Part Number	Description
UA-1236246	Dark Gray Logix Valve Cover for All Valves with 700 Series Controls