

# 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 m <sup>3</sup> /hr)
Backwash @ 25 psi (1.72 bar) drop	20 gpm (4.5 m <sup>3</sup> /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