

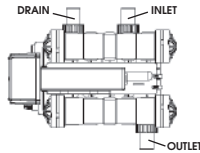
# CONTROL VALVES



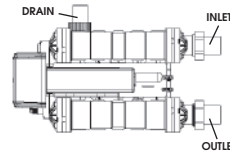
## AUTOTROL MAGNUM Cv & IT COMMERCIAL SOFTENER VALVES



Magnum IT 762  
Softener Valve



Magnum Cv  
Top View



Magnum IT  
Top View



Magnum IT 764  
Twin Alternating

### Softener Control Valves

| Part Number             | Description  | Regen. Cycle | Valve I/O Size | Riser Pilot | Ship. Wt. |
|-------------------------|--|--------------|----------------|-------------|-----------|
| MG74S-(B)(I)(BW)(AC)    | Magnum Cv 742 Clock Control  | 7 or 99 Day  | 1.5"           | 1.5"        | 28 lbs.   |
| MG76S-(B)(I)(T)(BW)(AC) | Magnum Cv 762 Electronic Timeclock Control                               | Demand       | 1.5"           | 1.5"        | 28 lbs.   |
| MP74S-(B)(I)(BW)(AI)    | Magnum IT 742 Clock Control  | 7 or 99 Day  | 1.5" or 2"     | 1.5"        | 28 lbs.   |
| MP76S-(B)(I)(BW)(AI)    | Magnum IT 762 Electronic Timeclock Control                               | Demand       | 1.5" or 2"     | 1.5"        | 28 lbs.   |
| MP76TS-(I)(BW)(AI)      | Magnum IT 764T Twin Alternating or Parallel Control                      | Demand       | 1.5" or 2"     | 1.5"        | 56 lbs.   |
| MP76LS-(I)(BW)(AI)      | Magnum IT 764L Multi-Single with Lockout or Single with Remote Control * | Demand       | 1.5" or 2"     | 1.5"        | 28 lbs.   |

\* Requires Lockout Remote Regeneration Start Cable Kit, sold separately. (P/N: UA-3020228)  
Pilot feed adapter for low pressure applications (< 25 PSI) available. (P/N: UA-1040668)  
50 Hz available.

### Included Softener Control Valve Options

| Option Code (x) | Description |
|-----------------|-------------|
|-----------------|-------------|

**Must choose from the following bypass options for all softener valves with 742 & 762 controllers**

|         |   |
|---------|---|
| (B) = H | Hard Water Bypass   |
| (B) = N | No Hard Water Bypass (Standard on Magnum IT 764 Control Valves) |

**Must choose from the following injector size options for all softener valve configurations**

|                            |   |
|----------------------------|---|
| (I) = 14,16,18,21,24,30,36 | Injector Nozzle: Value = Tank Diameter (Softener Applications Only) |
|----------------------------|---|

**Must choose from the following external turbine connection options for Magnum Cv 762 softener valves only**  
(Magnum IT control valves have internal turbines.)

|          |   |
|----------|---|
| (T) = 1S | 1" Turbine Meter with Stainless Steel NPT Adapters, 0.2 to 35 gpm |
| (T) = 1C | 1" Turbine Meter with CPVC Spigot Adapters, 0.2 to 35 gpm         |
| (T) = 2S | 2" Turbine Meter with Stainless Steel NPT Adapters, 2 to 250 gpm  |
| (T) = 2C | 2" Turbine Meter with CPVC Spigot Adapters, 2 to 250 gpm          |

**Must choose from the following backwash options for all softener valve configurations**

(Backwash flow controls, from 41 GPM to 100 GPM, are available upon request.)

|                 |  |
|-----------------|--|
| (BW) = 00       | No Backwash Flow Control — "OPEN"                            |
| (BW) = 05 to 40 | Backwash Flow Control: 5 GPM to 40 GPM (Increments of 1 GPM) |

**Must choose from the following plumbing adapter kit options for all Magnum Cv softener valve configurations**

|                   |   |
|-------------------|---|
| (AC) = UA-3023679 | (3) 1.5" Stainless Steel NPT Adapter with Glass Filled Noryl Nut (For Inlet, Outlet, and Drain) |
| (AC) = UA-3023673 | (3) 1.5" Stainless Steel BSP Adapter with Glass Filled Noryl Nut (For Inlet, Outlet, and Drain) |
| (AC) = UA-1001655 | (3) 1.5" CPVC Spigot Adapter with Glass Filled Noryl Nut (For Inlet, Outlet, and Drain)         |

**Must choose from the following plumbing adapter kit options for all Magnum IT softener valve configurations**

|                   |  |
|-------------------|--|
| (AI) = UA-3023849 | (2) 2" S.S. NPT Adapter w/ Zinc Diecast Nut, (1) 1.5" S.S. NPT Adapter w/ Glass Filled Noryl Nut         |
| (AI) = UA-3023674 | (2) 2" S.S. BSP Adapter w/ Zinc Diecast Nut, (1) 1.5" S.S. BSP Adapter w/ Glass Filled Noryl Nut         |
| (AI) = UA-1040784 | (2) 2" CPVC Spigot Adapter w/ Zinc Diecast Nut, (1) 1.5" CPVC Spigot Adapter w/ Glass Filled Noryl Nut   |
| (AI) = UA-3023732 | (2) 2" to 1.5" S.S. NPT Reducer w/ Zinc Diecast Nut, (1) 1.5" S.S. NPT Adapter w/ Glass Filled Noryl Nut |
| (AI) = UA-3023736 | (2) 2" to 1.5" S.S. BSP Reducer w/ Zinc Diecast Nut, (1) 1.5" S.S. BSP Adapter w/ Glass Filled Noryl Nut |

# CONTROL VALVES



## AUTOTROL MAGNUM Cv & IT COMMERCIAL FILTER VALVES

### Filter Control Valves

| Part Number          | Description  | Regen. Cycle | Valve I/O Size | Riser Pilot | Ship. Wt. |
|----------------------|--|--------------|----------------|-------------|-----------|
| MG74F-(B)(BW)(AC)    | Magnum Cv 742 Clock Control  | 7 or 99 Day  | 1.5"           | 1.5"        | 28 lbs.   |
| MG76F-(B)(T)(BW)(AC) | Magnum Cv 762 Electronic Timeclock Control                               | Demand       | 1.5"           | 1.5"        | 28 lbs.   |
| MP74F-(B)(BW)(AI)    | Magnum IT 742 Clock Control  | 7 or 99 Day  | 1.5" or 2"     | 1.5"        | 28 lbs.   |
| MP76F-(B)(BW)(AI)    | Magnum IT 762 Electronic Timeclock Control                               | Demand       | 1.5" or 2"     | 1.5"        | 28 lbs.   |
| MP76TF-(BW)(AI)      | Magnum IT 764T Twin Alternating or Parallel Control                      | Demand       | 1.5" or 2"     | 1.5"        | 56 lbs.   |
| MP76LF-(BW)(AI)      | Magnum IT 764L Multi-Single with Lockout or Single with Remote Control * | Demand       | 1.5" or 2"     | 1.5"        | 28 lbs.   |

\* Requires Lockout Remote Regeneration Start Cable Kit, sold separately, (P/N: UA-3020228)  
Pilot feed adapter for low pressure applications (< 25 PSI), available. (P/N: UA-1040668)  
50 Hz available.

### Included Filter Control Valve Options

| Option Code (x) | Description |
|-----------------|-------------|
|-----------------|-------------|

**Must choose from the following bypass options for all filter valves with 742 & 762 controllers**

|         |   |
|---------|---|
| (B) = U | Unfiltered Water Bypass   |
| (B) = F | No Unfiltered Water Bypass (Standard on Magnum IT 764 Control Valves) |

**Must choose from the following external turbine connection options for Magnum Cv 762 filter valves only**  
(Magnum IT control valves have internal turbines.)

|           |   |
|-----------|---|
| (T) = 1S  | 1" Turbine Meter with Stainless Steel NPT Adapters, 0.2 to 35 gpm           |
| (T) = 1C  | 1" Turbine Meter with CPVC Spigot Adapters, 0.2 to 35 gpm                   |
| (T) = 2S  | 2" Turbine Meter with Stainless Steel NPT Adapters, 2 to 250 gpm            |
| (T) = 2C  | 2" Turbine Meter with CPVC Spigot Adapters, 2 to 250 gpm                    |
| (T) = 21S | 2" Turbine Meter with 2" to 1.5" Stainless Steel NPT Reducers, 2 to 250 gpm |

All External Turbines Require Meter Cable, sold separately — 10 ft. cable (P/N: UA-1266723); 25 ft. cable (P/N: UA-1266724)  
Metric sized adapters also available.

**Must choose from the following backwash options for all filter valve configurations**  
(Backwash flow controls, from 41 GPM to 100 GPM, are available upon request.)

|                 |  |
|-----------------|--|
| (BW) = 00       | No Backwash Flow Control — "OPEN"                            |
| (BW) = 05 to 40 | Backwash Flow Control: 5 GPM to 40 GPM (Increments of 1 GPM) |

**Must choose from the following plumbing adapter kit options for all Magnum Cv filter valve configurations**

|                   |   |
|-------------------|---|
| (AC) = UA-3023679 | (3) 1.5" S.S. NPT Adapter with Glass Filled Noryl Nut (For Inlet, Outlet, and Drain)    |
| (AC) = UA-3023673 | (3) 1.5" S.S. BSP Adapter with Glass Filled Noryl Nut (For Inlet, Outlet, and Drain)    |
| (AC) = UA-1001655 | (3) 1.5" CPVC Spigot Adapter with Glass Filled Noryl Nut (For Inlet, Outlet, and Drain) |

**Must choose from the following plumbing adapter kit options for all Magnum IT filter valve configurations**

|                   |  |
|-------------------|--|
| (AI) = UA-3023849 | (2) 2" S.S. NPT Adapter w/ Zinc Diecast Nut, (1) 1.5" S.S. NPT Adapter w/ Glass Filled Noryl Nut         |
| (AI) = UA-3023674 | (2) 2" S.S. BSP Adapter w/ Zinc Diecast Nut, (1) 1.5" S.S. BSP Adapter w/ Glass Filled Noryl Nut         |
| (AI) = UA-1040784 | (2) 2" CPVC Spigot Adapter w/ Zinc Diecast Nut, (1) 1.5" CPVC Spigot Adapter w/ Glass Filled Noryl Nut   |
| (AI) = UA-3023732 | (2) 2" to 1.5" S.S. NPT Reducer w/ Zinc Diecast Nut, (1) 1.5" S.S. NPT Adapter w/ Glass Filled Noryl Nut |
| (AI) = UA-3023736 | (2) 2" to 1.5" S.S. BSP Reducer w/ Zinc Diecast Nut, (1) 1.5" S.S. BSP Adapter w/ Glass Filled Noryl Nut |