



# AQT-290

## PRODUCT SPECIFICATIONS

### AQT-290 Timer/Meter Valves

Aquatrol 290 Timer/Meter Mechanical Valves are made of solid lead-free brass for superior strength and durability. The AQT-290 also offers a NH piston option. The AQT-290 incorporates 2 hydraulically-balanced pistons, seal and spacers. It can be used with single or multiple tank systems and it also offers continuous flow rate of 106 gpm.

### FEATURES

- 2" Control valve
- Lead free brass body
- Adjustable 5 cycle control
- Continuous flow rate of 106 gpm
- Backwash capacity for tanks up to 21" (Filters) and 36" (Softeners) diameter
- NH option available
- Time clock: 12 days
- Meter: delayed regeneration



| Models:         |                                  |
|-----------------|----------------------------------|
| AQT-290ST-HW:   | Softener Timer - HW              |
| AQT-290ST-NH:   | Softener Timer - NH              |
| AQT-290SM-HW:   | Softener Meter - HW              |
| AQT-290SM-NH:   | Softener Meter - NH              |
| AQT-290S-NX-HW: | Elec Softener Timer / Meter - HW |
| AQT-290S-NX-NH: | Elec Softener Timer / Meter - NH |
| AQT-290FT:      | Filter Timer                     |
| AQT-290FT-NX:   | Electronic Filter Timer          |

HW - Hard Water Bypass, NH - No Hard Water Bypass.

| Flow Rate 50 psi (3.5 bar) Valve Alone: |                   |
|---|-------------------|
| Continuous 15 psi (1 bar) Drop:         | 106 gpm (401 lpm) |
| Peak 25 psi (1.7 bar) Drop:             | 140 gpm (530 lpm) |
| Max Backwash 25 psi (1.7 bar) Drop:     | 25 gpm (95 lpm)   |
| CV 1 psi (0.07 bar) Drop:               | 27.5              |

| Regeneration/Backwash: |                    |
|------------------------|--------------------|
| Downflow/Upflow:       | Downflow or Upflow |
| Cycles:                | 5                  |
| Adjustable Cycles:     | Mechanical, All    |
| Time Available:        | 164 Minutes        |

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| Meter:          |   |
|-----------------|---|
| Accuracy:       | 3 - 150 gpm (11.5 - 568 lpm) ± 5%   |
| Capacity Range: | Standard: 1,250 - 21,250 gal (4.8 - 40m <sup>3</sup> )<br>Extended: 6,250 - 106,250 gal (24 - 400m <sup>3</sup> ) |

| Valve Specifications: |  |
|-----------------------|--|
| Inlet/Outlet:         | 2" NPT   |
| Mounting Base:        | 4" 8 UN  |
| Distributor Pilot:    | 1.96" OD                                       |
| Drain Line:           | 3/4"   |
| Brine Line:           | 1/2"   |
| Height:               | 11.5" (290 mm)                                 |
| Weight (Valve Gross): | Timer 35.3 lb (16 kg)<br>Meter 41.9 lb (19 kg) |

| Additional Information: |  |
|-------------------------|--|
| Electrical Rating:      | 220V, 110V, 24V - 50Hz, 60Hz   |
| Max. VA                 | 143 VA   |
| Water Pressure:         | Hydrostatic: 300 psi (20 bar)<br>Working: 20 - 120 psi (1.4 bar - 8 bar) |
| Temperature:            | 34 - 110 °F (1 - 43 °C)  |



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