



# 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 (Mech. & Digital NX)
- Continuous flow rate of 106 gpm
- NH option available
- Time clock: 12 days
- Meter: immediate / delayed regeneration
- Digital NX Controller
- Remote Signal
- Aux. Relay
- Chemical Pump Option
- English / Spanish Language



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-290F-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:	
<b>Downflow/Upflow:</b>	<b>Downflow or Upflow</b>
Cycles:	5
Adjustable Cycles:	All
Time Available:	Mechanical 164 Min. / Digital NX 0-4 Hours Each Cycle

Meter:	
Accuracy:	3 - 150 gpm (11.5 - 568 lpm) ± 5%
Capacity	Standard: 1,250 - 21,250 gal (4.8 - 40m <sup>3</sup> )
Range:	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) Meter 41.9 lb (19 kg)

Additional Information:	
Electrical Rating:	24V - 50Hz, 60Hz
Max. VA	143 VA
Water Pressure:	Hydrostatic: 300 psi (20 bar) Working: 20 - 125 psi (1.4 bar - 8.6 bar)
Temperature:	34 - 110 °F (1 - 43 °C)

LIT-AQT-290-DS 06/04/20



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