PENTAIR

LENNTECH
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AUTOTROL® 273 & 278
COMMERCIAL PERFORMA CONTROL VALVES

MADE IN THE USA
OF FOREIGN & DOMESTIC PARTS



FEATURES/BENEFITS

Time-tested Duraflow flapper provides frictionless sealing for longer service life

Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant

Optical sensor for precision cycle positioning

Fully adjustable 3 or 5 cycle control for efficient and reliable water treatment system

Continuous service flow rate of 25 GPM with a backwash of 20 GPM

Backwash capability accommodates softener tanks up to 21" and filter up to 18" in diameter

Designed for single or multiple tank systems

Super capacitor for keeping time of day during power outage

Environmental protective cover for water resistance, corrosion resistance, and UV stability

Programming stored in memory and will not be lost due to power outages

History data for valve performance

OPTIONS

Filter or softener control valves

Fiber-reinforced polymer bypass valve

Plumbing connections in .75"-1.25" NPT, BSP, and sweat

Internal Autotrol turbine

Variable reserve for increased efficiency

Auxiliary switch kits

Timer wall mount kits

742- Professional level time clock control with fully programmable cycle times and salt amount.

762- Professional level metered control with fully programmable cycle times and salt amount.

764- Professional level metered control with fully programmable cycle times and salt amount for multiple tank applications.

VALVE SPECIFICATIONS

Valve Body	Glass-filled thermoplastic – NSF Listed material
Rubber Components	Compounded for cold water – NSF Listed material
Weight (Valve & Control)	5.3 lbs (2.4 kg)
Operating Pressure	20-120 psi (1.38-8.27 bar)
Canada:	20-100 psi (1.38-6.89 bar)
Hydrostatic Test Pressure	300 psi (20.69)
Water Temperature	35°-100°F (2°-38°C)
Ambient Temperature*	35°-120°F (2°-48.9°C)

*Recommend use of outdoor cover for direct sunlight applications

ELECTRICAL

Controller Operating Voltage	12 volt– AC
Input Supply Frequency	50 or 60 Hz
Moter Input Voltage	12 volt– AC
Controller System Power Consumption	3 watts average

TRANSFORMER- ALL CONTROLLERS

Transformer Output Voltage	12 volt– AC 400mA
Transformer Input Options	115 volt– AC 50/60 Hz 230 volt– AC 50/60 Hz 100 volt– AC 50/60 Hz
Transformer Plug Options	Indoor North American Plug Outdoor North American Plug Japanese Plug Taiwan/Korea Plug Australian Plug United Kingdown Plug Mainland Europe Plug

VALVE CONNECTIONS

Tank Thread	2-1/2" – 8, male
Inlet/Outlet Threads	1-3/4"-12 UNC-2A male
Drain Line	3/4" NPT, male
Brine Line	3/8" NPT, male;

DIMENSIONS

Width	14.9" (37.8 cm)
Height	8.5" (21.5 cm)
Riser Tube Dia.	1.050" (27 mm)
Riser Height	Above top of tank 0.5" (+/- 0.5")

FLOW RATE

Service 5 psi (1.03 bar) drop	25.0 gpm (5.7 m^3/h)
Backwash 25psi (1.72 Bar) drop	20.0 gpm (4.5 m^3/h)
Service	Cv = 6.50 (Kv = 5.6)
Backwash	Cv = 4.00 (Kv = 3.5)

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