



Specifications



764 Multi-Tank Logix Controls

Valves and Control Overview

- Newest member of our exclusive Logix controller family.
- One controller fits all:
 - Twin alternating and twin parallel *
 - Single controller for 255, 278 (Performa Cv) 298 (Magnum IT) valves
 - Softener control (also filter programmable).
- Reliable and easy 3-step program control.
- Fully programmable or manual operation.
- Simple piping installation, flow meter on each valve.
- Optional interconnecting piping kits:
 - 255 alternating / parallel (DN 25)
 - 278 alternating (DN 25)
 - 278 parallel (DN 32)



**An additional mode 'L' for specific single applications is also available: Single Tank External Remote Regeneration (1 tank) or Multi-Single Tank Lockout (Multiple single tanks that cannot regenerate at the same time). Contact us for more information.*

Initialization Options and Valves Performances

Valve	Mode	Display at initialization	Application	Service Flow Rate (m ³ /h) @ 1.03 bar ΔP	Backwash Flow Rate (m ³ /h) @ 1.72 bar ΔP
255	Twin Alternating <i>(for a constant supply of water)</i>	255A	8-cycle conditioner	3,4	1,36
278		278A	5-cycle conditioner	5,7	4,5
298		298A	5-cycle conditioner	17	20,2
255	Twin Parallel <i>(A higher flow that is available for high use time periods)</i>	255P	8-cycle conditioner	6,8	1,36
278		278P	5-cycle conditioner	11,3	4,5
298		298P	5-cycle conditioner	34	20,2





Logix Controllers 764

The Logix Series offers the ultimate in control for our valves. Simplex 3-step programming and installation makes this electronic controller the industry leader.

- All- electronic control platform
- Simple, economic electronic demand (volumetric Calendar override – 99 day).
- Calendar override 99 – day.
- 24-hour super-capacitor backup – no battery necessary
- Remote mounting kit allows programming module to be installed up to 12m away.
- 28 - day variable reserve, 4 reserve types available.
- Conditioner setting in mode alternating, parallel or single multi tanks in one controller.
- Automatic capacity calculations.
- Fully programmable cycle times.
- Salt setting in 10 grams increments (g/L of resin).
- Automatic camshafts synchronization.
- Operates 255, 278 and Magnum IT with one controller.
- Water usage viewable for each tank in the historical values.

Electrical Specifications

Controller operating Voltage	→	12 Volt – AC <i>(Requires use of Pentair Water supplied transformer)</i>
Input Supply Frequency	→	50 or 60 Hz <i>(Controller configuration dependent)</i>
Motor Input Voltage	→	12 Volt – AC
Electronics Operating Voltage (Logix Series)	→	3,5 Volt – AC
Control System Power consumption	→	3 Watts average

Transformer Specifications

All controllers require the use of a Pentair Water supplied transformer

Transformer Output Voltage	→	12 Volt – AC 150mA
Transformer Input Options	→	115 Volt – AC 50/60 Hz, 230 Volt – AC 50/60Hz, 100 Volt, AC 50/60Hz

Transformer Plug Options	→	{ Indoor North American Plug Outdoor North American (UL Listed for Outdoor use) Japanese Plug Taiwan/Korea Plug Australian Plug United Kingdom Plug Mainland Europe Plug Additional Transformers may be available
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