

Pentair 2750 System Specifications

NELSEN™

WATER SOLUTIONS

Since 1954

VALVE SPECS

Inlet/Outlet Plumbing Connections	1" Male NPT
Valve Material	Lead-Free Brass
Regeneration	Downflow / Upflow
Operating Pressures - Min/Max	20 psi/125 psi
Operating Temperatures - Min/Max	34°/110° F

Dimensions

Distributor Pilot	1.050" OD
Drain Line	3/4" Female NPT
Brine Line	3/8"

FEATURES

- Lead-free brass valve for superior strength and durability
- Continuous service flow rate of 26 GPM with a backwash of 25 GPM
- Backwash capability accommodates softener tanks up to 30" in diameter
- Fully adjustable 5-cycle control for efficient and reliable water treatment system
- Time-tested, hydraulically-balanced piston for service and regeneration
- Tested and Certified by the WQA to NSF/ANSI/CAN 61 for Material Safety only and NSF/ANSI 372 for lead free compliance and CSA B483.1

AVAILABLE IN TWO TIMER OPTIONS:

- **NXT2** – Network up to eight valves for multi-system control. Improved display (OLED) allows for easy viewing. Multi-valve system settings can be pushed from one controller to expedite setup.
- **Electromechanical Timer** – Simple to adjust and easy to service with quick access to all internal components



CYCLES - FACTORY SETTINGS

1 - Backwash	10 min
2 - Regenerant Draw/Slow Rinse	60 min
3 - Fast Rinse	10 min
4 - Brine Fill @ 9 Lbs / cu.ft	4-12 min
4 - Brine Fill @ 15 Lbs / cu.ft	7-20 min
5 - Service	

GENERAL SPECIFICATIONS

Grains Capacity	24,000	32,000	40,000	48,000	64,000	80,000	110,000
Grains Capacity ¹	22,500	30,000	37,500	45,000	60,000	75,000	105,000
Grains Capacity ²	18,000	24,000	30,000	36,000	48,000	60,000	84,000
Cubic Feet Resin	0.75	1	1.25	1.5	2	2.5	3.5
Resin (Lbs)	38	50	63	75	100	125	175
Service Flow Rate (GPM)*	7	9	10	12	13	18	22
Overall Height	51"	55"	51"	61"	55"	61"	71"
Floor Space Required with Standard Brine Tank	25" x 17"	26" x 17"	27" x 17"	27" x 18"	29" x 18"	30" x 18"	31" x 24"
Approximate Weight (Lbs)	83	98	111	124	152	219	292

BRINE SYSTEM

Standard Brine Tank Size	15" x 17" x 36"	15" x 17" x 36"	15" x 17" x 36"	15" x 17" x 36"	18" x 33"	18" x 33"	24" x 41"
Brine Tank Salt Capacity without Grid (Lbs)	275	275	275	275	375	375	700
Brine Valve Included	1600	1600	1600	1600	1600	1600	1600
Injector Color / Draw Rate @ 50 psi (GPM)	White/.2	White/.2	White/.2	White/.2	Blue/.27	Yellow/.38	Yellow/.38

UNITS WITH STANDARD MESH RESIN

Mineral Tank Size	8" x 44"	9" x 48"	10" x 44"	10" x 54"	12" x 48"	13" x 54"	14" x 65"
Backwash Flow with Basket Distributor	1.5	2.0	2.4	2.4	3.5	4.0	5.0
Backwash Flow with Turbulator	2.0	2.4	3.0	3.0	5.0	5.0	7.0
Gravel Under-bed (Lbs) ³	Optional	Optional	Optional	Optional	Optional	Optional	50

REGENERATION WATER USAGE STANDARD DISTRIBUTOR / TURBULATOR

Gallons Used @ 9 Lbs / Cubic Feet Salt ⁴	53 / 65	70 / 80	81 / 96	81 / 96	118 / 155	132 / 157	170 / 220
Gallons Used @ 15 Lbs / Cubic Feet Salt ⁴	54 / 67	78 / 83	84 / 99	84 / 99	122 / 160	138 / 163	178 / 228

UNITS WITH PLATED TANKS

Backwash Flow (GPM)	1.2	1.2	2	2	3	3.5	4
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REGENERATION WATER USAGE WITH PLATED TANKS

Gallons Used @ 9 Lbs / Cubic Feet Salt ⁴	45	50	71	72	105	120	145
Gallons Used @ 15 Lbs / Cubic Feet Salt ⁴	47	53	74	75	110	125	153

UNITS WITH FINE MESH RESIN

Mineral Tank Size	8" x 44"	9" x 48"	10" x 44"	10" x 54"	12" x 48"	13" x 54"	14" x 65"
Backwash Flow	1.2	1.5	1.5	1.5	2.0		
Gravel Underbed (Lbs)	10	12	16	16	20		
Regeneration Water Usage (Gallons) ⁴	47	60	62	63	79		

1 @ 15 Lbs / ft³ = 30,000 Grains / ft³ Resin

2 @ 9 Lbs / ft³ = 24,000 Grains / ft³ Resin

3 Gravel under-bed is optional with standard mesh resin units under 80,000 grains and included with fine mesh units

4 When using pre-programmed cycle times

* Note - due to varying water conditions, water pressures and assembly materials the service flow rate should be used only as a guideline.