

PERFORMA UPFLOW 269/869

AUTOTROL
CONTROL VALVE



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TECHNICAL CHARACTERISTICS

- ◆ Dedicated for softening applications, up to 14"
- ◆ Volumetric - 1" Autotrol internal turbine
- ◆ Soft water refill
- ◆ Upflow variable brining regeneration

869 DEMAND UPFLOW CONTROLLER

Cycles times automatically calculated by Logix

Preprogrammed with program# for user friendliness

Customizable software and messages

Calendar override

Optional salt sensor

Remote regeneration feature

Lock out feature

Holiday mode

Operating temperature 1 - 49°C

Storage temperature 20 - 70°C

Humidity 10 - 90% non condensing

History menu

Supercapacitor back-up for minimum 8h in case of power failure

Reserve options:

- Automatic 28 days or fixed %
- Manual regeneration options: immediate, delayed, double immediate

VALVE SPECIFICATIONS

Valve Body	Glass-filled PPO – NSF Listed material
Rubber Components	Compounded for cold water – NSF Listed material
Valve Materials Certification	WQA Gold Seal Certified to ORD 0902, NSF/ANSI 44, CE, ACS
Weight (Valve with Control)	2.42 kg (5.34 lbs)
Recommended Operating Pressure	1.38-8.27 bar (20-120 psi)
Hydrostatic Test Pressure	20.69 bar (300 psi)
Water Temperature	2-38°C (35-100°F)
Ambient Temperature*	2-48.9°C (35-120°F)

* Recommend use of outdoor cover for direct sunlight applications

REGENERATION CYCLES

Refill	Variable, calculated by Logix 869 upon remaining capacity at regeneration start
Brine preparation	Valves goes back to service for 120 minutes
Brine draw	Upflow
Slow rinse	Upflow
Backwash	
Fast rinse	

TRANSFORMER

Electrical consumption	3W average
Transformer Input	230 VAC 50/60 Hz
Transformer Plug	European (default) UK (optional, to be ordered separately)

Use of Pentair supplied transformer mandatory

FLOW RATES (VALVE ONLY)

Service @ 1.03 bar (15 psi) drop	5.7 m ³ /h (25.0 gpm)
Backwash @ 1.72 bar (25 psi) drop	4.5 m ³ /h (20.0 gpm)
Service	Kv = 5.6 (Cv = 6.50)
Backwash	Kv = 3.5 (Cv = 4.00)

VALVE CONNECTIONS

Tank Thread	2½ inches – 8 NPSM
Inlet/Outlet Threads	¾" & 1" kit
Drain Line	¾ inch NPT, male
Brine Line	¾ inch NPT, male
Distributor Tube Diameter	27 mm (1.050 inch)
Distributor Tube Length	13 ± 13 mm (½ ± ½ inch) above top of tank

OPTIONS

Check salt

Bypass Valve, Model 1265

Glass filled PPO, 1-inch flow path

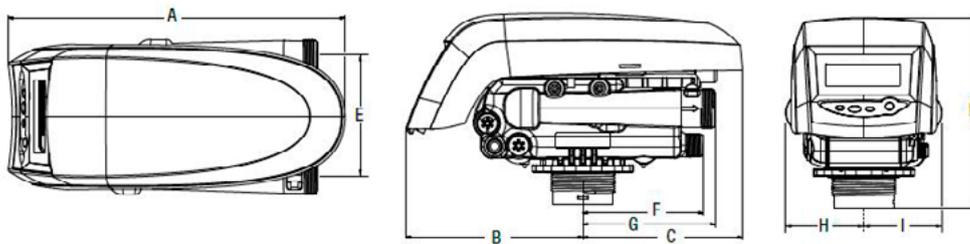
Valves & Bypass fitting kits

- Copper, Sweat Tube Adapter 32, 25 or 19 mm (1¼, 1 or ¾ inch)
- CPVC, Solvent Weld Tube Adapter 25 or 19 mm (1 or ¾ inch)
- Plastic NPT or BSPT Pipe Adapter 25 or 19 mm male (1 or ¾ inch)
- Stainless steel NPT or BSPT Pipe Adapter 25 or 19 mm male (1 or ¾ inch)

Brine Refill Controls

0.33 gpm (1.25 Lpm) fixed

DIMENSIONS



Units	A	B	C	D	E	F	G	H	I
cm	37.8	19.9	17.9	21.5	12.7	13.5	14.8	8.7	8.7
inches	14.9	7.8	7.1	8.5	5.0	5.3	5.8	3.4	3.4

PERFORMANCE

BACKWASH FLOW CONTROL

Backwash number*	Flow Rate (gpm)	Flow Rate (Lpm)
7	1.30	4.90
8	1.70	6.40
9	2.20	8.30
10	2.70	10.20
12	3.90	14.76
13	4.50	17.00
14	5.30	20.00

*Backwash flow controls sized for 5.0 gpm/sq. ft.

FLOW RATE VS PRESSURE DROP

