

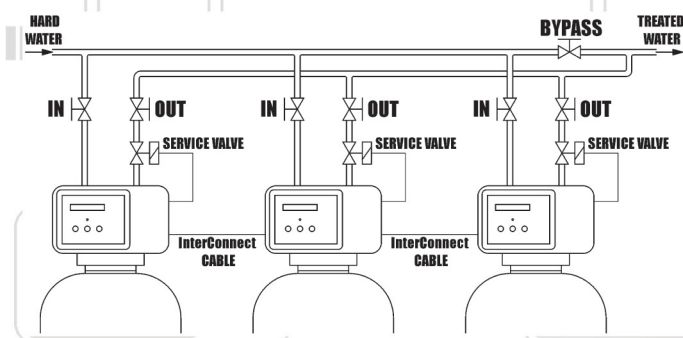


ProFlow

Professional Water Softening

ERIE Water Treatment Controls' **ProFlow commercial water softeners** are typically used in applications where high flow rates are required, such as:

- ▶ apartment / office blocks,
- ▶ industry,
- ▶ laundry,
- ▶ hotels,
- ▶ hospitals,
- ▶ car washes,
- ▶ ...



All our **ProFlow commercial water softeners**...

- ▶ are equipped with our high-flow 1" Rotary control valve,
- ▶ feature our fully programmable 24VAC electronic controller with NOVAM® and EAZY software,
- ▶ are available with time controlled or volume controlled regeneration,
- ▶ are available in simplex (up to 150Ltr resin), duplex alternating (up to 2x150Ltr resin) duplex parallel (up to 2x150Ltr resin) or triplex parallel (up to 3x150Ltr resin) configuration, for flow rates up to 15 m3/hr,
- ▶ come with a heavy-duty brine tank with double-safety float brine valve.

Features and Benefits:

- ▶ 1 control valve model for ALL configurations, simplifying training of service people and stock keeping of spare parts.
- ▶ Wide range of configurations available, to suit every application.
- ▶ Duplex/triplex parallel configurations:
 - ▶▶ consist of 2/3 simplex systems installed in parallel hydraulically, that...
 - ▶▶▶ are 'in service' simultaneously to double/triple the flow rate,
 - ▶▶▶ communicate with each other through the InterConnect communication protocol to prevent simultaneous regeneration, guaranteeing continuous supply of softened water
 - ▶▶ each of the 2/3 simplex systems features its own...
 - ▶▶▶ electronic controller, to allow individual programming of each simplex system,
 - ▶▶▶ high sensitivity flow meter, instead of 1 shared common flow meter, to prevent problems due to hydraulic imbalance.
- ▶▶ offer redundancy in case one of the simplex systems needs to be put in bypass.

The ProFlow Series are available:

- ▶ with resin volumes **from 25 Ltr to 150 Ltr**
- ▶ in the following configurations:

Simplex Tempo: Electronic, time controlled regeneration

Simplex Eco: Electronic, volume controlled regeneration

Duplex Eco Alternating: Electronic, volume controlled regeneration, duplex alternating

Duplex Eco Parallel: Electronic, volume controlled regeneration, duplex parallel

Triplex Eco Parallel: Electronic, volume controlled regeneration, triplex parallel



ProFlow



TECHNICAL SPECIFICATIONS						
Resin	25	50	75	100	125	150
Operating pressure min/max (bar)	1,4 / 8,3					
Operating temperature min/max (°C)	2 / 48					
Electrical connection (V/Hz) ⁽¹⁾	230 / 50					
Max. power consumption (VA) simplex / duplex / triplex	12 / 2x18 / 3x18					
Hydraulic connection inlet/outlet	1" BSP Male					
Pressure tank dimensions (in)	10x35	12x48	13x54	14x65	16x65	16x65

⁽¹⁾ supplied with 24V transformer

PERFORMANCE @ 3 bar operating pressure ^(*)						
Resin	25	50	75	100	125	150
Nominal exchange capacity (m ³ x°f)	138	275	413	550	688	825
Nominal exchange capacity (m ³ x°d)	78	155	233	310	388	465
Salt usage per regeneration (kg)	3,7	7,5	11,3	15,0	18,8	22,5
Exchange capacity per kg salt (m ³ x°f)	37					
Exchange capacity per kg salt (m ³ x°d)	21					
Service flow rate @ 1 bar pressure drop (ltr/min)	56	57	58	58	62	60
Rinse water usage per regeneration (ltr)	165	285	400	540	670	780

^(*) Specifications are for a Simplex system; for a Duplex Parallel system these specifications have to be multiplied x2; for a Triplex Parallel system x3.

^(?) Indicative numbers, performances depending on operating conditions and water quality

DIMENSIONS AND WEIGHTS						
Resin	25	50	75	100	125	150
Brine tank volume (ltr)	125	125	275	275	500	500
Brine tank diameter x height (mm)	540x850	540x850	685x975	685x975	875x1110	875x1110
Tank & control valve depth x height (mm)	282x1059	310x1394	336x1560	363x1836	413x1833	413x1833
Maximum salt storage capacity (kg)	100	100	200	200	475	475

DIMENSIONS AND WEIGHTS						
Resin	2 x 25	2 x 50	2 x 75	2 x 100	2 x 125	2 x 150
Brine tank volume (ltr)	1 x 125	1 x 275	1 x 500	1 x 500	1 x 750	1 x 750
Brine tank diameter x height (mm)	540x850	685x975	875x1110	875x1110	1030x1110	1030x1110
Tank & control valve depth x height (mm)	405x1059	410x1394	436x1560	463x1836	513x1833	513x1833
Maximum salt storage capacity (kg)	100	200	475	475	700	700

DIMENSIONS AND WEIGHTS						
Resin	3 x 25	3 x 50	3 x 75	3 x 100	3 x 125	3 x 150
Brine tank volume (ltr)	3 x 125	3 x 125	3 x 275	3 x 275	3 x 500	3 x 500
Brine tank diameter x height (mm)	540x850	540x850	685x975	685x975	875x1110	875x1110
Tank & control valve depth x height (mm)	282x1059	310x1394	336x1560	363x1836	413x1833	413x1833
Maximum salt storage capacity (kg)	3 x 100	3 x 100	3 x 200	3 x 200	3 x 475	3 x 475



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