



Complete line of softeners

With the **Commercial Series**, **Erie Water Treatment Controls** offers a complete line of duo block softeners for commercial applications.

Range

- ✓ The **Commercial Series** are available in the following models:
 - 50 Ltr
 - 75 Ltr
 - 100 Ltr
 - 125 Ltr
 - 150 Ltr
- ✓ The **Commercial Series** are offered in the following configurations:
 - **Simplex Time:** Electronic, time initiated regeneration, time controlled brine refill
 - **Simplex Volume:** Electronic, volume initiated regeneration, time controlled brine refill
 - **Duplex, Triplex & Quadplex:** Electronic, volume initiated regeneration, time controlled brine refill



Rotary valve

Features & Benefits

- ✓ Full 1" Rotary control valve
- ✓ High **dirt resistant** brine tank
- ✓ **Float** installed for double security
- ✓ Always supplied with **brine platform**
- ✓ Exceptionally **low salt usage**
- ✓ Full **1.050"** riser tube for superior service flow
- ✓ Optional **noryl bypass** with incorporated mixing valve



Dirt resistant brine tank



Optional bypass



Please note that the specifications for the duplex, triplex & quadplex systems are mentioned per tank.
For duplex applications, the specifications have to be multiplied by 2, triplex by 3 & quadplex by 4.

Technical specifications:

Model	SIMPLEX TIME / SIMPLEX VOLUME					DUPLEX (2x) / TRIPLEX (3x) / QUADPLEX (4x)				
	50	75	100	125	150	50	75	100	125	150
Resin										
Operating pressure min/max (bar)	1.4/8.3					1.4/8.3				
Operating temperature min/max (°C)	2/48					2/48				
Electrical connection (V/Hz)	230/50 ⁽¹⁾					230/50 ⁽¹⁾				
Maximum power consumption (VA)	12					18				
Hydraulic connection inlet/outlet	1" BSP Male					1" BSP Male				
Control valve type	2400TS (time) / 2400VS (volume)					2401S				
Control valve injector	1	1	2	2	2	1	1	2	2	2
Pressure tank dimensions (in)	12x48	13x54	14x65	16x65	16x65	12x48	13x54	14x65	16x65	16x65

⁽¹⁾ Supplied with 24 V transfo

Performances @ brining of 150gr/Ltr of resin⁽²⁾:

Model	SIMPLEX TIME / SIMPLEX VOLUME					DUPLEX (2x) / TRIPLEX (3x) / QUADPLEX (4x)				
	50	75	100	125	150	50	75	100	125	150
Resin										
Nominal exchange capacity (m ³ x°f)	275	413	550	688	825	275	413	550	688	825
Nominal exchange capacity (m ³ x°d)	155	233	310	388	465	155	233	310	388	465
Salt usage per regeneration (kg)	7.5	11.3	15.0	18.8	22.5	7.5	11.3	15.0	18.8	22.5
Exchange capacity per kg salt (m ³ x°f)	37					37				
Exchange capacity per kg salt (m ³ x°d)	21					21				
Flow rate @ 1 bar pressure drop (Ltr/min)	57	58	58	62	60	57	58	58	62	60
Rinse water usage per regeneration (@ 3 bars) (Ltr)	285	400	540	670	780	285	400	540	670	780

⁽²⁾ Indicative numbers, performances depending on operating conditions and water quality

Dimensions and weights:

Model	SIMPLEX TIME / SIMPLEX VOLUME					DUPLEX / TRIPLEX / QUADPLEX				
	50	75	100	125	150	50	75	100	125	150
Resin										
Brine tank volume (ltr) ⁽³⁾	125	275	275	500	500	275	500	500	500	750
Brine tank diameter (mm) ⁽³⁾	540	685	685	875	875	685	875	875	875	1030
Brine tank height (mm) ⁽³⁾	850	975	975	1110	1110	975	1110	1110	1110	1110
System depth (pressure tank + valve) (mm)	310	336	363	413	413	410	423	437	462	462
System depth, including bypass (mm)	376	389	403	428	428	512	525	539	564	564
System height (± 6 mm) (mm)	1394	1560	1836	1833	1833	1394	1560	1836	1833	1833
Height inlet/outlet (± 6 mm) (mm)	1257	1423	1699	1696	1696	1257	1423	1699	1696	1696
Height inlet/outlet, including bypass (± 6 mm) (mm)	1263	1429	1705	1702	1702	1263	1429	1705	1702	1702
Maximum salt storage capacity (kg) ⁽³⁾	100	200	200	475	475	200	475	475	475	700

⁽³⁾ Duplex systems use 1 brine tank; triplex & quadplex use 2 brine tanks (= specs x 2)