

SERIES 5000 - SOFTENERS 2"

High flow rate softeners, equipped with the 2" ECO FLOW-PACK (EFP) valve and the new Commercial Universal Controller (CUC)

All systems are available in Single, Duplex, Triplex, and Quadplex operation.

MODELS

5102, 5132, 5162, 5192, 5252, 5322, 5362, 5452, 5602

These softeners are especially designed for use in communities, blocks of flats and offices, as well as in industry. The patented 2" ECO FLOW-PACK valve is designed to provide high flow rates with minimum pressure drop.

All the softeners of the 2" EFP 5000 series are now equipped with a new universal control module. It offers more flexibility when it comes to setting up a multiple-unit softening system.

Indeed, this 'CUC' control module can be set to control from one up to four units of the same model.

With a multiple-unit system, the following configurations are possible :

Parallel Immediate :

All the units provide output water at the same time. When any unit has exhausted its capacity, it immediately goes off-line, recharges and goes back on-line.

Parallel Delayed :

All the units provide output water at the same time. When any unit has exhausted its capacity, it will stay on-line until the scheduled recharge time. This configuration is mainly designed for filter applications.

Alternating Immediate :

Typically one unit is queued up on standby until another unit in service exhausts its capacity. The standby unit in the queue is placed in service and the exhausted unit is immediately recharged. When the recharge process is complete, the fresh unit is placed in the back of the standby queue.

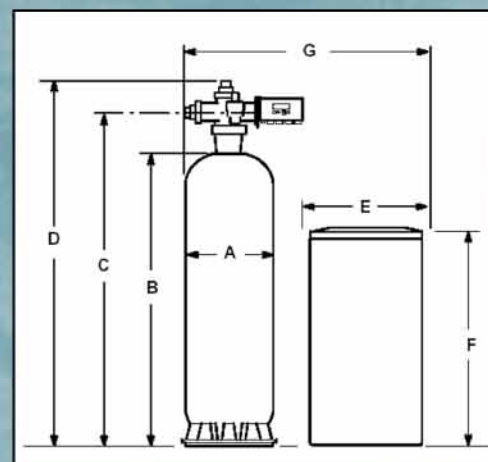
Peak Flow :

One or more units can be queued up on standby. Units are brought on-line whenever the water flow reaches a specific programmed trip point. If the water flow decreases, units are put back on standby.



Find out about all the advantages of the 2" EFP Softeners of the 5000 Series in the technical manual.

Models	A Ø Resin Tank mm	B Resin Tank Height mm	C Inlet-Outlet Height mm	D Overall Height mm	E Ø Brine Tank mm	F Brine Tank Height mm	G Overall width Single mm*
5102, 5132	440	1480	1700	1850	700	1250	1050
5162	440	1830	2060	2200	700	1250	1200
5192, 5252, 5322	610	1830	2060	2200	815	1190	1530
5362, 5452	770	1830	2240	2380	815	1190	1680
5602	915	1830	2250	2390	815	1190	2060



* Duplex = 1 Brine Tank. Triplex = 2 Brine Tanks. Quadplex = 2 Brine Tanks. Dimensions for duplex, triplex and quadplex are calculated using the number of brine tanks previously mentioned.

SPECIFICATIONS									
MODEL	SOFTENERS								
	5102	5132	5162	5192	5252	5322	5362	5452	5602
Media Tank Size (in.)	17" x 58"	17" x 58"	17" x 72"	24" x 72"	24" x 72"	24" x 72"	30" x 72"	30" x 72"	36" x 72"
Exchange Capacity * (°f.m ³) @	350 @ 5,44	466 @ 7,24	583 @ 9,07	700 @ 10,88	933 @ 14,51	1166 @ 18,14	1399 @ 21,77	1749 @ 27,21	2333 @ 36,28
Salt Dosage ** (kg)	641 @ 16,32	855 @ 21,77	1069 @ 27,21	1283 @ 26,65	1697 @ 43,54	2138 @ 54,42	2566 @ 73,31	3207 @ 81,64	4276 @ 108,86
Resin Quantity (l)	85	113	142	170	226	284	340	425	566
Salt Storage Capacity (kg)	417	417	453	540	540	540	540	540	540
Ø Inlet-Outlet Connections (in.)	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT	2" NPT
Operating Pressure (bar)	2,07 – 8,6	2,07 – 8,6	2,07 – 8,6	2,07 – 8,6	2,07 – 8,6	2,07 – 8,6	2,07 – 8,6	2,07 – 8,6	2,07 – 8,6
Operating Temperature (°C)	2 – 37	2 – 37	2 – 37	2 – 37	2 – 37	2 – 37	2 – 37	2 – 37	2 – 37
Maximum Drain Flow (l/min)	26,5	26,5	26,5	45,4	45,4	45,4	90,8	90,8	121
Max. Clear Water Iron (ppm)	5	5	5	5	5	5	5	5	5
Electrical Rating	24 V – 50Hz	24 V – 50Hz	24 V – 50 Hz	24 V – 50Hz	24 V – 50Hz	24 V – 50Hz	24 V – 50Hz	24 V – 50Hz	24 V – 50Hz

All systems are available in Single, Duplex, Triplex, and Quadplex operation.

* The Exchange Capacity is for counter-current regeneration sizing purposes. The actual capacity could be 5%-10% greater than shown for each salt dosage.

** Salt dosages can be set to maintain desired efficiencies or changed to auto adjusting, salt efficient demand, or boiler operation. See manual for details.

SERVICE FLOW RATE												
Models	Flow Rate (m ³ /h) @ Pressure Loss (ΔP bar) ①											
	m ³ /h ->	2,3	4,5	6,8	9,1	11,4	13,6	15,9	18,2	20,4	22,7	25,0
5102	0,10 ΔP	0,25 ΔP	0,42 ΔP	0,63 ΔP	0,88 ΔP							
5132	0,14 ΔP	0,32 ΔP	0,53 ΔP	0,77 ΔP	1,09 ΔP	1,41 ΔP						
5162	0,18 ΔP	0,35 ΔP	0,63 ΔP	0,91 ΔP	1,27 ΔP	1,62 ΔP	2,04 ΔP					
5192	0,07 ΔP	0,14 ΔP	0,28 ΔP	0,46 ΔP	0,63 ΔP	0,84 ΔP	1,05 ΔP	1,34 ΔP				
5252	0,07 ΔP	0,18 ΔP	0,32 ΔP	0,49 ΔP	0,67 ΔP	0,88 ΔP	1,12 ΔP	1,41 ΔP	1,69 ΔP			
5322	0,07 ΔP	0,21 ΔP	0,35 ΔP	0,53 ΔP	0,74 ΔP	0,98 ΔP	1,27 ΔP	1,55 ΔP	1,83 ΔP			
5362	--	0,14 ΔP	0,25 ΔP	0,39 ΔP	0,53 ΔP	0,70 ΔP	0,91 ΔP	1,12 ΔP	1,41 ΔP	1,62 ΔP	1,90 ΔP	
5452	--	0,18 ΔP	0,28 ΔP	0,42 ΔP	0,56 ΔP	0,77 ΔP	0,98 ΔP	1,20 ΔP	1,48 ΔP	1,76 ΔP	2,04 ΔP	
5602	--	--	0,21 ΔP	0,35 ΔP	0,49 ΔP	0,63 ΔP	0,84 ΔP	1,05 ΔP	1,27 ΔP	1,48 ΔP	1,76 ΔP	

① Pressure loss (bar) @	
	Continuous flow rates
	Intermittent or peak flow rates
	Flow rates not recommended (hardness leakage, reduced efficiency, etc.)

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