

 MONARCH WATER

ACQUA



INSTALL GUIDE

2XL / 3XL / 4XL / 5XL / 6XL / 7XL



EVOLUTION SINCE 1964

Thank you for purchasing one of our CFU Acqua filters, please ensure the unit is installed by a competent person and this guide is followed carefully. Whatever water treatment requirements are needed in Foodservice, the CFU has it covered. Designed to deliver no-nonsense protection against limescale and improve water quality, the CFU offers simplicity & flexibility in a cost-effective package.

CFUs offer a winning combination of decades of real-world use, proven success, large capacities, flexibility, and outstanding value.

Water Test: This is important, as it will determine that you are fitting the correct sized system to your appliance. Run water to be tested for 1 minute and fill test tube to 10ml level. Add 2 drops of Titrant solution squeezing bottle gently at 45 degrees. Swirl test tube; if the water contains any 'hardness' the colour of the water within the test tube will be blue. Add further drops of Titrant in batches of 5 drops, swirling gently after each batch. Continue to do this until the sample changes colour from the original blue to yellow. Each drop relates to 10ppm of Temporary Hardness (TH).

Description	Dimensions H x Ø (mm)	Standard Cons	Temp (°C)	Max flow rate (lpm)	Code	Regen Code
ACQUA 2XL	507 x 219	3/4" BSP	2 - 49	10 - 12	ACQ2XL	ACQ2XLR
ACQUA 3XL	550 x 271	3/4" BSP	2 - 49	10 - 12	ACQ3XL	ACQ3XLR
ACQUA 4XL	550 x 271	3/4" BSP	2 - 49	10 - 12	ACQ4XL	ACQ4XLR
ACQUA 5XL	675 x 271	3/4" BSP	2 - 49	10 - 12	ACQ5XL	ACQ5XLR
ACQUA 6XL	962 x 271	3/4" BSP	2 - 49	10 - 12	ACQ6XL	ACQ6XLR
ACQUA 7XL	968 x 345	3/4" BSP	2 - 49	12 - 14	ACQ7XL	ACQ7XLR

*If daytime water pressure exceeds 3.5 bars, a water pressure limiter set to 5 bars must be fitted.

Capacity charts (capacity refers to temporary hardness)

Numbers after the model - denotes percentage blend
i.e. Acqua2XL/30 denotes Acqua2XL with 30% blend

CFU Acqua Models	ACQ 2XL	ACQ 3XL	ACQ 4XL	ACQ 5XL	ACQ 6XL	ACQ 7XL
Capacity at 180ppm - litres	8,990	13,485	15,283	19,778	24,273	34,162
at 200ppm - litres	8,091	12,137	13,755	17,800	21,846	30,746
at 250ppm - litres	6,473	9,709	11,004	14,240	17,477	24,597
at 300ppm - litres	5,394	8,091	9,170	11,867	14,564	20,497
at 350ppm - litres	4,623	6,935	7,860	10,172	12,483	17,569
at 400ppm - litres	4,046	6,068	6,877	8,900	10,923	15,373
at 450ppm - litres	3,596	5,394	6,113	7,911	9,709	13,665

CFU Acqua Models	ACQ 2XL/10	ACQ 3XL/10	ACQ 4XL/10	ACQ 5XL/10	ACQ 6XL/10	ACQ 7XL/10
Capacity at 180ppm - litres	9,989	14,983	16,981	21,976	26,970	37,958
at 200ppm - litres	8,990	13,485	15,283	19,778	24,273	34,162
at 250ppm - litres	7,192	10,788	12,226	15,822	19,418	27,330
at 300ppm - litres	5,993	8,990	10,189	13,185	16,182	22,775
at 350ppm - litres	5,137	7,706	8,733	11,302	13,870	19,521
at 400ppm - litres	4,495	6,743	7,642	9,889	12,137	17,081
at 450ppm - litres	3,996	5,993	6,792	8,790	10,788	15,183

CFU Acqua Models	ACQ 2XL/20	ACQ 3XL/20	ACQ 4XL/20	ACQ 5XL/20	ACQ 6XL/20	ACQ 7XL/20
Capacity at 180ppm - litres	11,238	16,856	19,104	24,723	30,341	42,703
at 200ppm - litres	10,114	15,171	17,193	22,250	27,307	38,432
at 250ppm - litres	8,091	12,137	13,755	17,800	21,846	30,746
at 300ppm - litres	6,743	10,114	11,462	14,834	18,205	25,622
at 350ppm - litres	5,779	8,669	9,825	12,714	15,604	21,961
at 400ppm - litres	5,057	7,585	8,597	11,125	13,654	19,216
at 450ppm - litres	4,495	6,743	7,642	9,889	12,137	17,081

CFU Acqua Model	ACQ 2XL/30	ACQ 3XL/30	ACQ 4XL/30	ACQ 5XL/30	ACQ 6XL/30	ACQ 7XL/30
Capacity at 180ppm - litres	12,843	19,264	21,833	28,254	34,676	48,803
at 200ppm - litres	11,559	17,338	19,650	25,429	31,208	43,923
at 250ppm - litres	9,247	13,870	15,720	20,343	24,967	35,138
at 300ppm - litres	7,706	11,559	13,100	16,953	20,805	29,282
at 350ppm - litres	6,605	9,907	11,228	14,531	17,833	25,099
at 400ppm - litres	5,779	8,669	9,825	12,714	15,604	21,961
at 450ppm - litres	5,137	7,706	8,733	11,302	13,870	19,521

CFU Acqua Model	ACQ 2XL/40	ACQ 3XL/40	ACQ 4XL/40	ACQ 5XL/40	ACQ 6XL/40	ACQ 7XL/40
Capacity at 180ppm - litres	14,983	22,475	25,472	32,963	40,455	56,937
at 200ppm - litres	13,485	20,228	22,925	29,667	36,410	51,243
at 250ppm - litres	10,788	16,182	18,340	23,734	29,128	40,994
at 300ppm - litres	8,990	13,485	15,283	19,778	24,273	34,162
at 350ppm - litres	7,706	11,559	13,100	16,953	20,805	29,282
at 400ppm - litres	6,743	10,114	11,462	14,834	18,205	25,622
at 450ppm - litres	5,993	8,990	10,189	13,185	16,182	22,775

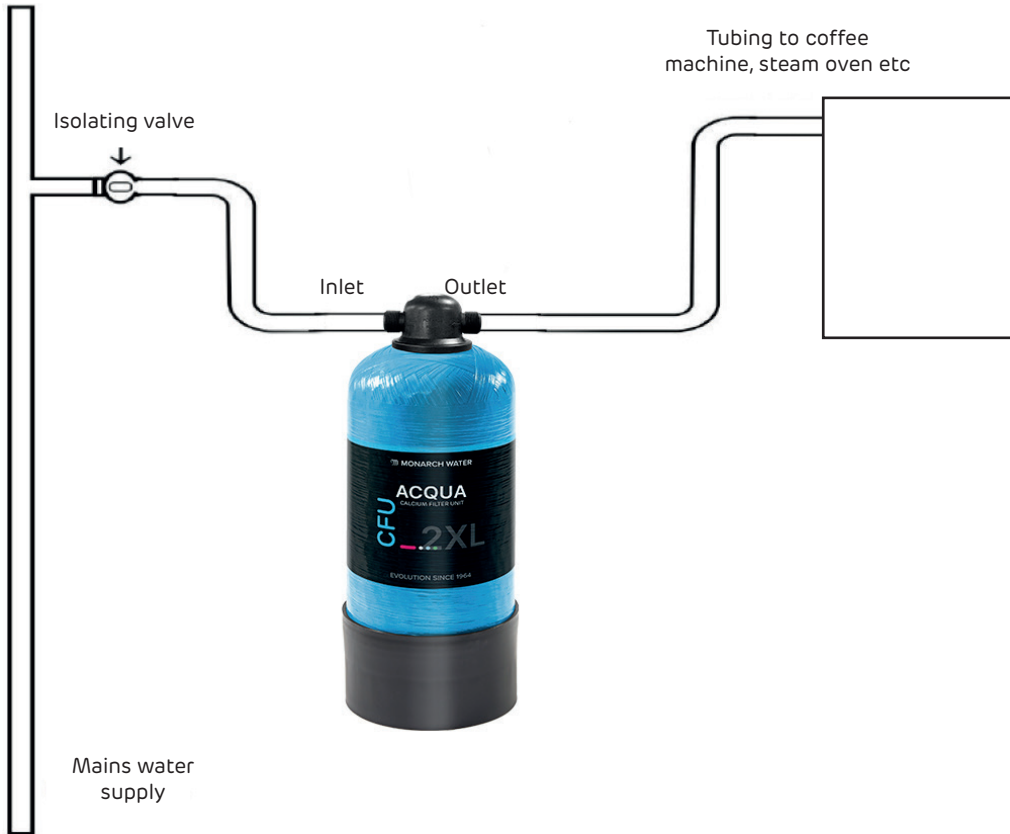
CFU Acqua Model	ACQ 2XL/50	ACQ 3XL/50	ACQ 4XL/50	ACQ 5XL/50	ACQ 6XL/50	ACQ 7XL/50
Capacity at 180ppm - litres	17,980	26,970	30,566	39,556	48,546	68,324
at 200ppm - litres	16,182	24,273	27,509	35,600	43,691	61,492
at 250ppm - litres	12,946	19,418	22,008	28,480	34,953	49,193
at 300ppm - litres	10,788	16,182	18,340	23,734	29,128	40,994
at 350ppm - litres	9,247	13,870	15,720	20,343	24,967	35,138
at 400ppm - litres	8,091	12,137	13,755	17,800	21,846	30,746
at 450ppm - litres	7,192	10,788	12,226	15,822	19,418	27,330

/ INSTALLATION

1. Turn off your water and open a tap to release any water pressure.
2. Tee off your mains water
3. Install an isolating valve (ensure isolating valve is closed).
4. Turn your water back on, check for leaks.
5. Using food grade 3/4" hoses, connect this from the isolating valve to the inlet of the CFU.
6. Using the same food grade hoses, connect this to the outlet of the CFU.
7. Before connecting to your machine, the unit is to be flushed prior to use. Open your isolating valve slowly, check for leaks.
8. Flush your unit down a drain on in to a bucket, please see below table for minimum flush requirements.
9. Once the unit has been flushed, take the hoses connected to the outlet of the CFU and connect this to you machine.

Model	Minimum Flush (ltrs)
ACQUA 2XL	20
ACQUA 3XL	52
ACQUA 4XL	52
ACQUA 5XL	63
ACQUA 6XL	70
ACQUA 7XL	80

/ INSTALLATION DIAGRAM



/ REGEN LAB



All our Calcium Filter Unit (CFU) products benefit from being able to use our state-of-the-art in-house regeneration service. Our reg lab uses a proprietary, unique food grade process that enables us to regenerate the units without altering or changing any capacities during the regen process. The lab allows for the reduction of single-use plastics within Foodservice by implementing truly green and eco-friendly products within a customer's supply chain.

When your CFU is due for replacement please email sales@monarchwater.co.uk or give us a call on +44 (0) 1986 784759 (opt 1) to discuss our regen lab and your replacement cartridges.



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