

ECOSOFT P'URE SERIES COMPACT IRON AND HARDNESS REDUCTION FILTERS

APPLICATIONS:

Water purification for the whole house/apartment

PURIFICATION TECHNOLOGY:

- **ECOMIX® C** — provides iron-free crystal clear soft water with bluish tint. FK series filters reduce iron, hardness, manganese, ammonium, and organic matter
- **DOWEX® HCR-S/S** — provides softened water. FU series filters remove hardness

CONTROL VALVE:

Ecosoft Clack WS1 CE (time and volume regenerated)

KEY FEATURES:

- Compact and elegant design
- Up to 3 times less salt usage per regeneration compared to competitive products
- Fully automated operation and regeneration
- Versatile modern control valve with multilingual menu
- 12 months warranty

COMPONENTS:

Cabinet softener assembly, including:

- Cardboard box with color printing
- Control valve with injector, drain line flow control (DLFC), top distributor and power adaptor
- Cabinet housing with pressure tank, riser pipe and bottom distributor
- Filter media
- User manual

OPTIONS:

- Inline bypass assembly
- Inline external mixing valve
- Motorized No Hard Water Bypass Valve for bypass shutoff during regeneration
- Motorized three-way Alternating Valve for routing water in Twin systems
- Multi-unit system controller
- Microswitch (regeneration activated)



Code	Product
ECOSOFT P'URE COMPACT IRON AND HARDNESS REDUCTION FILTERS (ECOMIX® C)	
FK0835CABCEMIXC	Ecosoft P'URE compact iron and hardness reduction filter
FK1035CABCEMIXC	Ecosoft P'URE compact iron and hardness reduction filter
FK1235CABCEMIXC	Ecosoft P'URE compact iron and hardness reduction filter
ECOSOFT P'URE COMPACT WATER SOFTENERS (DOWEX® HCR-S/S)	
FU1018CABCE	Ecosoft P'URE compact water softener
FU0835CABCE	Ecosoft P'URE compact water softener
FU1035CABCE	Ecosoft P'URE compact water softener
FU1235CABCE	Ecosoft P'URE compact water softener

TECHNICAL SPECIFICATION:

Parameter	FK0835CABCEMIXC	FK1035CABCEMIXC	FK1235CABCEMIXC
Operating/maximum flow rate, m ³ /h	0.6/0.8	1.0/1.2	1.4/1.8
Quantity of ECOMIX®, L	18	25	37
Volume capacity, m ³ @ 250 mg/L CaCO ₃ influent hardness	2.2	3	4.5
Usage of salt per regeneration ¹ , kg	1.8–2.8	2.5–4.0	3.7–6.0
Usage of water per regeneration (= discharge per regeneration), m ³	0.18	0.25	0.37
Duration of regeneration, minutes		80–110	
Pressure drop in service mode, bar		0.5	
Inlet pressure, bar		2–6	
Electrical requirements		230 V, 50 Hz	
Power consumption, W		30	
Inlet/outlet pipe connections		1"	
Dry weight, kg	25	30	42
Overall dimensions, (Width × Depth × Height), cm	35 x 52 x 113	35 x 52 x 113	35 x 52 x 113

INFLUENT WATER LIMITATIONS:

Hardness	750 mg/L CaCO ₃
Iron	15 mg/L
Manganese	3 mg/L
Chemical Oxygen Demand	20 mg/L O ₂
Ammonium	4 mg/L
Sediment prefilter rating	100 µm
Temperature of water ²	+4...+30 °C

TECHNICAL SPECIFICATION:

Parameter	FU1018CABCE	FU0835CABCE	FU1035CABCE	FU1235CABCE
Operating/maximum flow rate, m ³ /h	0.8/1.0	1.0/1.3	1.5/2.0	2.2/2.8
Quantity of DOWEX® HCR-S/S, L	12	18	25	37
Volume capacity, m ³ @ 250 mg/L CaCO ₃ influent hardness	2.4	3.5	5	7.5
Usage of salt per regeneration ¹ , kg	1.2–1.9	1.8–2.8	2.5–4.0	3.7–6.0
Usage of water per regeneration (= discharge per regeneration), m ³	0.12	0.18	0.25	0.37
Duration of regeneration, minutes			80–110	
Pressure drop in service mode, bar			0.5	
Inlet pressure, bar			2–6	
Electrical requirements			230 V, 50 Hz	
Power consumption, W			30	
Inlet/outlet pipe connections			1"	
Dry weight, kg	18	25	30	42
Overall dimensions, (Width × Depth × Height), cm	35 x 52 x 70	35 x 52 x 113	35 x 52 x 113	35 x 52 x 113

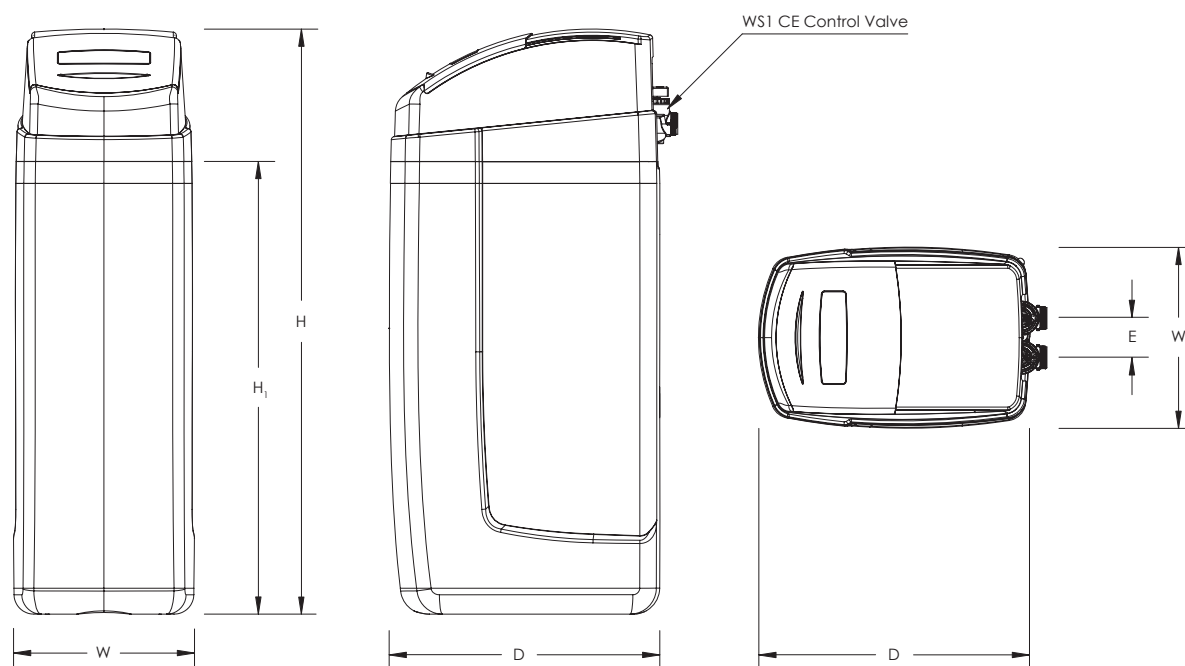
INFLUENT WATER LIMITATIONS:

Hardness	750 mg/L CaCO ₃
Iron	0.2 mg/L
Manganese	0.05 mg/L
Chemical Oxygen Demand	5 mg/L O ₂
Sediment prefilter rating	100 µm
Temperature of water ²	+4...+30 °C

¹ It is recommended to use Ecosil pelletized salt for regeneration

² The product is only suitable for cold water

ECOSOFT P'URE CABINET DIMENSIONS



Model	Control valve port sizes (port height**, mm)					Dimensions*, mm			
	Water Inlet	Water Outlet	Drain Outlet	Brine Inlet	E (distance between Inlet / Outlet)	W	D	H	H ₁
FU1018CABCE	1" M (540)	1" M (540)	3/4" M (640)	3/8" CF (640)	78	350	520	700	450
FK0835CABCEMIXC FU0835CABCE	1" M (970)	1" M (970)	3/4" M (1070)	3/8" CF (1070)	78	350	520	1130	880
FK1035CABCEMIXC FU1035CABCE	1" M (970)	1" M (970)	3/4" M (1070)	3/8" CF (1070)	78	350	520	1130	880
FK1235CABCEMIXC FU1235CABCE	1" M (970)	1" M (970)	3/4" M (1070)	3/8" CF (1070)	78	350	520	1130	880

* Dimensions are for reference only. The dimensions may vary ±30 mm between batches of the product.

** M — male, F — female, CF — compression fitting