

ECOSOFT ABSOLUTE SERIES COMPACT IRON AND HARDNESS REDUCTION FILTERS

APPLICATIONS:

Water purification for whole house/apartment

PURIFICATION TECHNOLOGY:

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

CONTROL VALVE:

Ecosoft Clack DV (time and volume regenerated)

KEY FEATURES:

1. Compact design
2. Up to 3 times less salt usage per regeneration compared to competitive products
3. Fully automated operation and regeneration
4. 12 months warranty

COMPONENTS:

Cabinet softener assembly, including:

- Carton 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
- Parts and instruction manual

OPTIONS:

- Inline bypass assembly
- Inline external mixing valve



Code	Product
ECOSOFT ABSOLUTE ADVANCED WATER SOFTENERS (ECOMIX® A)	
FK0835CABDVMIXA	Ecosoft ABSOLUTE advanced water softener
FK1035CABDVMIXA	Ecosoft ABSOLUTE advanced water softener
ECOSOFT ABSOLUTE WATER SOFTENERS (DOWEX® HCR/S/S)	
FU0817CABDV	Ecosoft ABSOLUTE water softener
FU0835CABDV	Ecosoft ABSOLUTE water softener
FU1035CABDV	Ecosoft ABSOLUTE water softener

* List prices are without VAT

TECHNICAL SPECIFICATIONS:

Parameter	FK0835CABDVMIXA	FK1035CABDVMIXA
Operating/maximum flow rate, m ³ /h	0.6/0.8	1.0/1.2
Quantity of ECOMIX [®] , l	18	25
Volume capacity, m ³ @ 250 mg/l CaCO ₃ influent hardness	2.5	3.5
Usage of salt per regeneration ¹ , kg	1.8–2.8	2.5–4.0
Usage of water per regeneration (= discharge per regeneration), m ³	0.15	0.25
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	30	35
Overall dimensions, (Width × Depth × Height), cm	22.5 × 44 × 110	35 × 47 × 110

INFLUENT WATER LIMITATIONS:

Hardness	750 mg/l CaCO ₃
Iron	15 mg/l
Manganese	3 mg/l
Chemical Oxygen Demand	8 mg/l O ₂
Ammonium	4 mg/l
Sediment prefilter rating	100 µm
Temperature of water ²	+4...+30 °C

TECHNICAL SPECIFICATIONS:

Parameter	FU817CABDV	FU0835CABDV	FU1035CABDV
Operating/maximum flow rate, m ³ /h	0.6/0.8	1.0/1.3	1.5/2.0
Quantity of DOWEX [®] HCR-S/S resin, l	8	18	25
Volume capacity, m ³ @ 250 mg/l CaCO ₃ influent hardness	1.6	3.5	5
Usage of salt per regeneration ¹ , kg	0.8–1.3	1.8–2.8	2.5–4.0
Usage of water per regeneration (= discharge per regeneration), m ³	0.08	0.18	0.25
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	15	30	35
Overall dimensions, (Width × Depth × Height), cm	23 × 45 × 65	22.5 × 44 × 110	35 × 47 × 110

INFLUENT WATER LIMITATIONS:

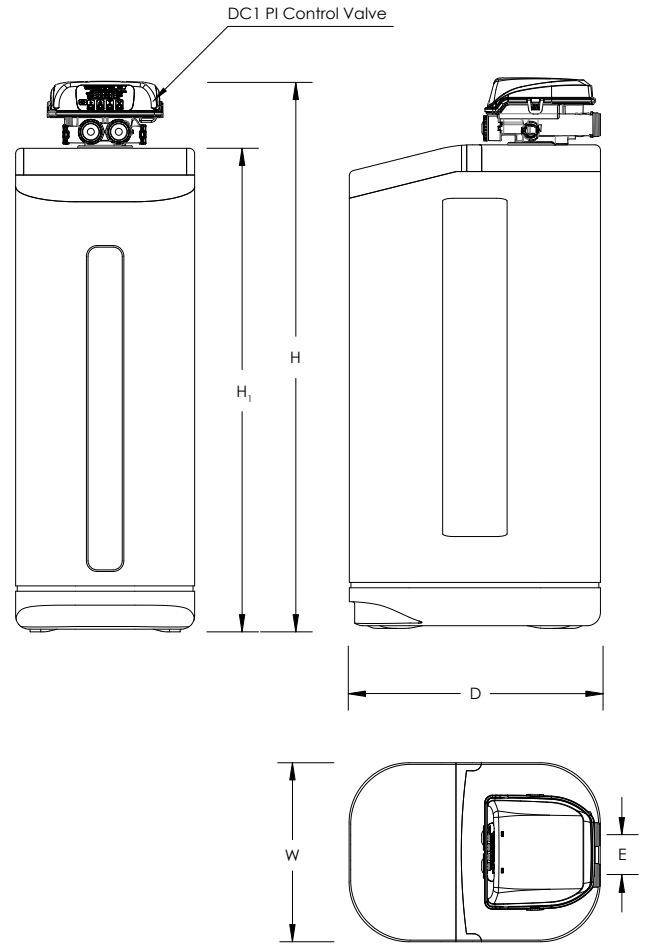
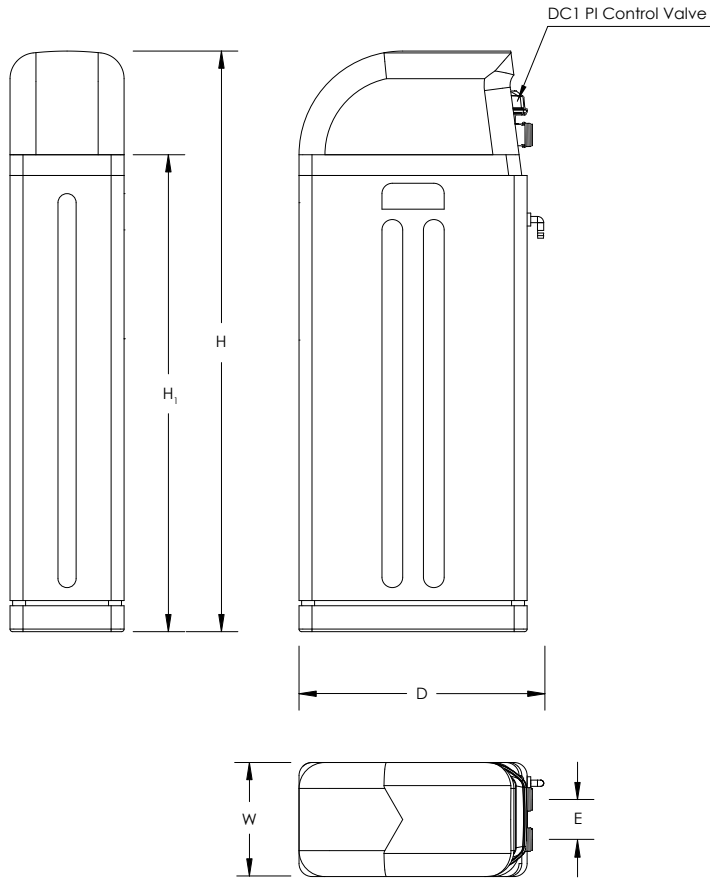
Hardness	750 mg/l CaCO ₃
Iron	0.2 mg/l
Manganese	0.05 mg/l
Chemical Oxygen Demand	5 mg/l O ₂
Sediment prefilter rating	100 µm
Temperature of water ²	+4...+30 °C

¹ It is recommended to use Ecosoil pelletized salt for regeneration

² The product is only suitable for cold water

ECOSOFT ABSOLUTE CABINET DIMENSIONS
(FU0817CABDV, FU0835CABDV, FK0835CABDVMIXA)

ECOSOFT ABSOLUTE CABINET DIMENSIONS
(FU1035CABDV, FK1035CABDVMIXA)



Model	Control valve port sizes (port height**, mm)				E (distance between Inlet / Outlet)	Dimensions*, mm			
	Water Inlet	Water Outlet	Drain Outlet	Brine Inlet		W	D	H	H ₁
FU0817CABDV	1" M (485)	1" M (485)	3/4" M (475)	3/8" CF (475)	78	230	480	660	445
FU0835CABDV FK0835CABDVMIXA	1" M (935)	1" M (935)	3/4" M (925)	3/8" CF (925)	78	230	480	1110	895
FU1035CABDV FK1035CABDVMIXA	1" M (940)	1" M (940)	3/4" M (930)	3/8" CF (930)	78	350	470	1050	900

* Dimensions are for reference only. The dimensions may vary ±30 mm between batches of the product.
** M — male, F — female, CF — compression fitting