

EasyFresh 350



System storage tank fresh water solar EasyFresh 350

Application

Compact and attractively designed system storage tank with integrated fresh water and solar station. Unproblematic heating water is used as the storage medium. The full equipment level guarantees great ease of assembly removing any mistake in terms of installation.

Corrosion protection for parts with drinking water contact

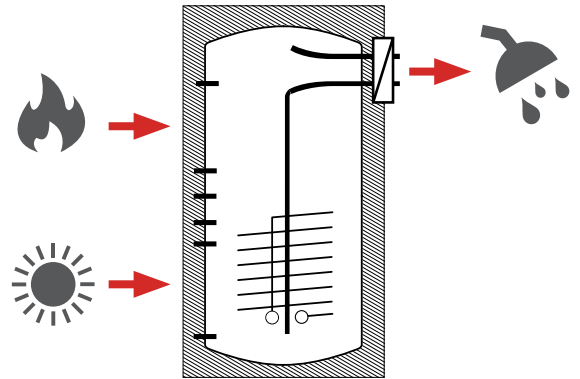
Enamelled as per DIN 4753. A magnesium anode offers additional corrosion protection.

External corrosion protection

Foam encased

Heat insulation

80 mm PU rigid foam insulation with soft sleeve



Model overview EasyFresh 350

Type	Article no.	Volume	Height with insulation	Tilt height	Installation diameter	Surface HE bottom	Efficiency class
Unit	[-]	[l]	[mm]	[mm]	mm	[m ²]	[-]
EF 350	STD0350EF	342	1410	1650	760	1.5	B

System storage tank

Technical specifications EasyFresh 350

Type	Unit	EF 350		
Article no.	[-]	STD0350EF	Max. operating pressure solar side	[bar] 10
Volume	[l]	342	Test pressure solar side	[bar] 15
Content heating side	[l]	332.6	Max. operating temperature heating side	[°C] 95
Content HE bottom	[l]	9.4	Max. operating temperature hot drinking water side	[°C] 95
Height with insulation	[mm]	1410	Max. operating temperature solar side	[°C] 95
Diameter with insulation	[mm]	760	Surface HE bottom	[m²] 1.5
Diameter without insulation	[mm]	600	Insulation thickness	[mm] 80
Tilt height	[mm]	1650	Max. installation length EHP	[mm] 630
Installation diameter	[mm]	760	Max. output EHP	[kW] 6
Weight (empty)	[kg]	155	On-demand heat overhead	[kWh/d] 1.68
Max. operating pressure heating side	[bar]	3	Holding losses	[W] 70
Test pressure heating side	[bar]	4.5	Efficiency class	[-] B
Max. operating pressure hot drinking water side	[bar]	10	Insulation material	[-] PU rigid foam ($\lambda=0.024$ W/mK)
Test pressure hot drinking water side	[bar]	15	Corrosion protection	[-]

Output data (without post-heating)

On-demand part charged							
Setting at thermal controller	Storage tank temperature	Hot water supply					
		Draw-off volume [l/min]	avg. temp.	Draw-off volume [l/min]	avg. temp.	Draw-off volume [l/min]	avg. temp.
		10		15		20	
[°C]	[°C]	[l]	[°C]	[l]	[°C]	[l]	[°C]
45	55	199	47	220	44	251	40
	60	222	48	256	45	278	41
	70	272	49	299	46	338	42
	80	329	49	361	46	408	42
50	55	182	49	206	45	241	41
	60	204	50	230	46	267	42
	70	251	51	281	47	326	43
	80	303	51	340	47	394	43
Storage tank fully charged							
45	55	292	47	322	44	367	40
	60	314	48	338	45	386	41
	70	391	49	439	46	485	42
	80	482	49	529	46	598	42
50	55	267	49	302	45	353	41
	60	299	50	337	46	392	42
	70	367	51	412	47	477	43
	80	444	51	498	47	577	43

Continuous output (with post-heating)

Setting at thermal controller	Storage tank temperature	Draw-off temperature for various draw-off volumes and post-heating outputs											
		7.5 [l/min]	P	10.0 [l/min]	P	12.5 [l/min]	P	15.0 [l/min]	P	17.5 [l/min]	P	20.0 [l/min]	P
		[°C]	[kW]	[°C]	[kW]	[°C]	[kW]	[°C]	[kW]	[°C]	[kW]	[°C]	[kW]
45	≥ 55	49.0	18.7	47.5	23.9	46.0	28.5	44.5	32.5	43.0	36.0	41.0	38.2
50		52.2	20.5	50.4	26.0	48.5	30.8	46.4	34.6	44.2	37.5	42.0	39.7

TecW - Cold water temperature = 15 °C; P - heat generator output

Connections and dimensions EasyFresh 350

Connections		Unit	EF 350
VENT	Ventilation	[mm]	1410 1" IT
FWS	Fresh water station supply	[mm]	1235 1" IT
FWR	Fresh water station return	[mm]	1140 1" IT
BS	Boiler supply	[mm]	1140 1" IT
S/TH	Sensor/Thermometer	[mm]	995 Ø 17.2
EHC	Electric heating cartridge	[mm]	895 1½" IT
HES	Heating supply	[mm]	795 1" IT
HER1	Heating return 1	[mm]	700 1" IT
BR1	Boiler return 1	[mm]	600 1" IT
BR2	Boiler return 2	[mm]	145 1" IT
HER2	Heating return 2	[mm]	145 1" IT
HW	Hot water	[mm]	1280 ¾" IT
CW	Cold water	[mm]	1180 ¾" IT
SLS	Solar supply	[mm]	385 Ø 18
SLR	Solar return	[mm]	425 Ø 18

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