Futura 1 Coil

ErP Energy Class A+

High efficiency water heating system with air-source heat pump. The system uses renewable energy.

- **Ready for connection to the SMART GRID network and PV**
- **Modbus port**
- **WI-FI connection for remote control**
- **Storage tank of steel, glass-lined with "Blue Glass 4753" flow-coating method at 850°C WRAS (BS6920-1) and KTW-BWGL approved according to UBA specifications (German Environmental Agency)**
- Ø 134 mm frontal inspection hatch
- **Anti corrosion titanium electronic anode**
- Thick layer polyurethane foam insulation (PU)
- Dent resistant jacket (PVC), gray Pantone 403C
- Heat pump condenser coil wrapped outside the tank to avoid any contact between Gas and domestic hot water
- Rotary compressor to limit the sound level
- 0,9 kW 230V~ electric heating element (INOX Incoloy 800), optionally available 2,0 kW 230V~
- Pressure safety switch
- Air supply and exhaust ducting allowed
- Automatic anti-legionella cycle and flexible programming

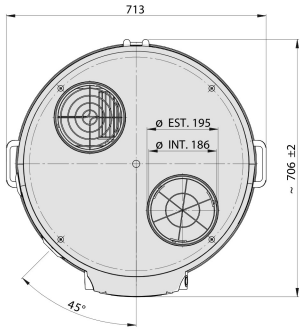
TITANIUM ELECTRONIC ANODE

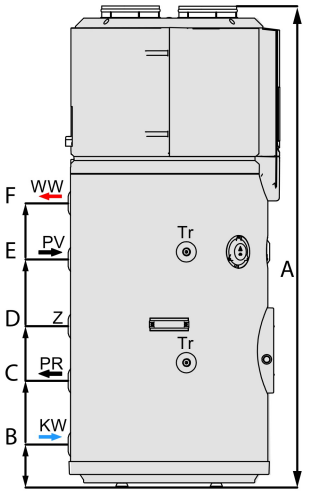
WARRANTY:
- **5 YEARS** ON THE TANKS
- **2 YEARS** ON THE OTHER COMPONENTS

TECHNICAL DATA	U.M.	Futura 200W	Futura 250W	Futura 300W
Capacity	l	195	243	290
Code	/	171923	171924	171925
Power supply	V~/Hz/A	230/50/16	230/50/16	230/50/16
Refrigerant fluid/ average load	-/Kg	R134a/1,02	R134a/1,20	R134a/1,20
Average absorption (Heat pump only)*	kW	0,627	0,627	0,627
Electric heating element (integration)	kW	0,9	0,9	0,9
Max. nominal absorption	kW	1,527	1,527	1,527
Heating time (Heat pump only)[3]	min	191	214	254
ErP 2017 Energy Class / Test profile		A+ / L	A+ / XL	A+ / XL
Coefficient of Perfomance EN 16147 (15°C) */**	COP */**	2,66 / 3,76	3,1 /4,34	3,1 / 4,34
Coefficient of Perfomance (26/43°C) ***	COP ***	4,13	5,18	5,18
Range of hot water	°C	38÷65	38÷65	38÷65
Range of use	°C	-20÷43	-20÷43	-20÷43
Range of use (Heat pump only)	°C	-7÷43	-7÷43	-7÷43
Max. noise level	db (A)	53	53	53
Anti-legionella cycle temperature	°C	70	70	70
Max. operating pressure [1/2]	Mpa	0,6/1,2	0,6/1,2	0,6/1,2
Net weight	kg	117	128	140
Heat exchange surface	m²	0,80	1,10	1,30
Primary power****	kW	25,0	31,0	37,0
Hydraulic connections (KW-WW-Z-PV-PR)	Rp	1"	1"	1"
Number of sensor	Tr	2	2	2
Dimensional values : A/B/C/D	mm	1590/142/352/492	1805/142/342/492	2015/142/342/882
Dimensional values : E/F	mm	752/937	802/1152	1062/1362

SMART GRID

ACCESSORIES PP. 91





*Ambient air 15°C, humidity 71%, inlet water temp. 15°C, Outlet water temperature 55°C. **Outlet water temperature 45 °C
Ambient air 26/43°C, humidity 71%, inlet water temp 15°C, Outlet water temperature 65°C. * Primary temperature 80°C / Secondary temp. 10÷45 °C
[1] Max. operating pressure, [2] Max. pressure test according to EN 12897 P.4.4.1 3 Heating time (water temperature 45°C), Ambient temp. 20°C, inlet water temp 15°C