



Models

HPC-1 | HPC-2 | HPCmax | HPCsolmax | HPCmini (buffer)

Features

HPC-1 & 2
(Enameled for DHW)

Available from 200L to 500L.

Anticorrosive protection by liquid enamel applicable to 850°C according to DIN 4573. Anodic protection by magnesium anode according to DIN 1243-2.

Capability for simultaneous connection of 3 different energy sources (solar panels, heat pump, electricity - optional).

Large heat exchanger (HP) from the top to the bottom and an inside coaxial exchanger for solar.

Upper coil of big capacity and cross -section suitable for H/P flows.

Eco friendly polyurethane foam of 52kg/m• density, 55mm thickness, according to DIN EN ISO 845:2009-10.

External cover of PVC fabric for in door storage.

Features

HPCmax & solmax
(AISI 316L for DHW)

Available from 200L to 500L.

Manufactured completely from Stainless Steel AISI 316L. Anodic protection by magnesium anode according to DIN 1243-2.

Capability for simultaneous connection of 3 different energy sources (solar panels, heat pump, electricity - optional).

Optimal design with upper heat exchanger (HP) and bottom heat exchanger for solar.

Upper coil of big exchange surface suitable for H/P.

Eco friendly soft polyurethane jacket of 17,2kg/m• density, 100mm thickness, according to DIN EN ISO 845:2009-10.

External cover of PVC fabric for in door storage.

Features

HPCmini
(small buffer tank)

2 models 60 litres & 80 litres of small dimensions.

Manufactured completely from Steel ST37-2 and can be installed in series or create primary / secondary circuits.

2 holes on the front - 2 on the side (female thread 1 1/4"), 2 holes on the upper (female thread 1/2" airvent and sensor), 1 hole on the bottom (female thread 1 1/4" for heat element [optional] or drain).

Capability of horizontal or vertical installation on the wall or on the ground.

Increase of water volume in the installation, protection of evaporator during cooling period.

Optional 4 kW electrical resistance for back up of heating during low winter temperatures.

Eco friendly polyurethane foam of 50kg/m³ density and external cover of Prepainted Steel ST37-2, 0.50mm thickness for indoor storage.

SPECIFICATIONS

		HPC - 1 & 2 (Enameled for DHW)			HPCmax & solmax (AISI 316L for DHW)			HPCmini (small buffer tank)	
Usage		DHM	DHM	DHM	DHM	DHM	DHM	BUFFER	BUFFER
Tank Capacity	lt	200	300	500	200	300	500	60	80
Total Height	mm	1400	1650	1850	1310	1800	1800	840	1050
Tank Diameter with ins.	mm	600	630	750	585	600	800	400	400
Max. Working Pressure	bar	10	10	10	8	8	8	6	6
Hot Water Outlet		1"	1"	1"	3/4"	1"	1 1/4"	-	-
Cold Water Inlet		1"	1"	1"	3/4"	1"	1 1/4"	-	-
Recirculation		YES (3/4")	YES (3/4")	YES (3/4")	YES (3/4")	YES (3/4")	YES (3/4")	-	-
Resistance		YES (OPT.)	YES (OPT.)	YES (OPT.)	YES (OPT.)	YES (OPT.)	YES (OPT.)	YES (OPT.)	YES (OPT.)
Length of Resistance	mm	1160	1160	1160	430	430	430	430	430
Installation of Resistance		ON TOP	ON TOP	ON TOP	SIDE	SIDE	SIDE	BOTTOM	BOTTOM
Solar Coil Input/Output	in	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	-	-
Solar Coil Cross Section	in	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	-	-
Solar Coil Surface	m ²	1.2	2.2	2.6	1.5	1.5	2.1	-	-
HP Coil Input/Output	in	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	-	-
HP Coil Cross Section	in	1/ 1/4"	1/ 1/4"	1/ 1/4"	1"	1"	1"	-	-
HP Coil Surface	m ²	2.4	4.0	5.0	3.2	4.0	5.2	-	-
Input/Output	in	-	-	-	-	-	-	1 1/4"	1 1/4"
Input/Output Cross Section	in	-	-	-	-	-	-	1 1/4"	1 1/4"
Type of Insulation		POL. FOAM	POL. FOAM	POL. FOAM	JACKET	JACKET	JACKET	POL. FOAM	POL. FOAM
Insulation Density	kg/m ³	52	52	52	17.3	17.3	17.3	40	40
Insulation Thickness	mm	55	55	55	100	100	100	30	30

* For external storage: HPC 1 & 2 with external cooling of pre-painted steel, the HPC max & solmax & mini with hard polyurethane foam and inox AISI 304.