

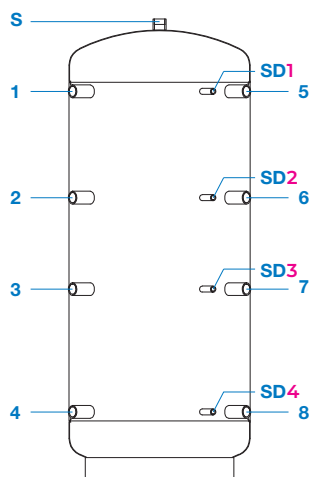
Buffer Cylinder

SERIES ISPH 800÷2000 L

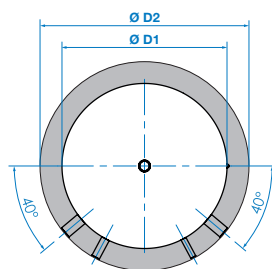
ErP Energy Class



Buffer cylinder main feature is the ability to combine multiple sources of heat both as an input or an output and the flexibility to heat the water at different times of day, up to 95 °C. Buffers are an easy way to make most renewable energy projects even more efficient, because they add necessary thermal mass to the system to dampen fast transitions and minimize boiler cycling that occurs during low domestic load conditions.



- Raw carbon steel tank painted with powder paint
- Polyester fiber insulation 100 mm + external soft plastic coating (PVC RAL 9010)
- Suitable housing for sensors (SD)
- Solar compatible
- 1" ½ connection for the installation of the heating element KIT (position 6 and 7)



WARRANTY:

- 5 YEARS ON THE TANK
- 2 YEARS ON THE OTHER COMPONENTS

ACCESSORIES PP. 88

TECHNICAL DATA	U.M.	AVAILABLE ON REQUEST				
		ISPH 800 L	ISPH 1000 L	ISPH 1250 L	ISPH 1500 L	ISPH 2000 L
Total working capacity	l	732	925	1284	1515	2054
Code	/	FU000025	FU000015	FU000069	FU000070	FU000071
Insulation thickness	mm	≥100	≥100	≥100	≥100	≥100
Thermal insulation	[-]	Hard PU foam insulation shells (λ=0,024 W/mK)				
ErP Energy Class		C	C	C	C	C
ErP Heat Loss Watt	W/h	117	144	157	170	204
Max. operating temperature	°C	95	95	95	95	95
Max. operating pressure ^{1/2}	MPa	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45	0,3/0,45
Net weight (dry)	kg	97	114	146	162	225
Heat Loss	[kWh/24h]	2,80	3,45	3,50	3,88	5,40
Total height (incl. Insulation D2)	mm	1760	2090	2060	2200	2420
Ø Diameter (incl. Insulation D1)	mm	990	990	1150	1200	1300
Ø Diameter (without Insulation)	mm	790	790	950	1000	1100
Boiler Inlet connection (1)	IG / mm	1"½ / 1426	1"½ / 1720	1"½ / 1700	1"½ / 1750	1"½ / 2025
Heating source Inlet connection (2)	IG / mm	1"½ / 1026	1"½ / 1249	1"½ / 1239	1"½ / 1285	1"½ / 1489
Vacant (3)	IG / mm	1"½ / 626	1"½ / 844	1"½ / 784	1"½ / 900	1"½ / 959
Heating element connection (4)	IG / mm	1"½ / 256	1"½ / 300	1"½ / 300	1"½ / 350	1"½ / 325
Outlet heating system high temperature (5)	IG / mm	1"½ / 1426	1"½ / 1720	1"½ / 1700	1"½ / 1750	1"½ / 2025
Outlet heating system low temperature (6)	IG / mm	1"½ / 1026	1"½ / 1249	1"½ / 1239	1"½ / 1285	1"½ / 1489
Heating return / To generator (7)	IG / mm	1"½ / 626	1"½ / 844	1"½ / 784	1"½ / 900	1"½ / 959
Heating return / To generator (8)	IG / mm	1"½ / 256	1"½ / 300	1"½ / 300	1"½ / 350	1"½ / 325
Air Vent (S)	IG / mm	1"½ / 1686	1"½ / 2041	1"½ / 2017	1"½ / 2152	1"½ / 2377
Dry-well connection (SD1)	IG / mm	½" / 1426	½" / 1720	½" / 1700	½" / 1750	½" / 2025
Dry-well connection (SD2)	IG / mm	½" / 1026	½" / 1249	½" / 1239	½" / 1285	½" / 1489
Dry-well connection (SD3)	IG / mm	½" / 626	½" / 844	½" / 784	½" / 900	½" / 959
Dry-well connection (SD4)	IG / mm	½" / 256	½" / 300	½" / 300	½" / 350	½" / 325
Tilt height	mm	1740	2090	2090	2215	2450

Notes : AG =Male fitting, IG = Female fitting - Notes : ¹ Max. operating pressure, ² Labor test pressure according to EN 12897 P.4.4.1