

BUFFER TANKS 500 – 2000L FOR SOLAR HEATING AND HOT SANITARY WATER PRODUCTION

Three options: without / single / double coil

With STAINLESS STEEL COIL for hot sanitary water production only

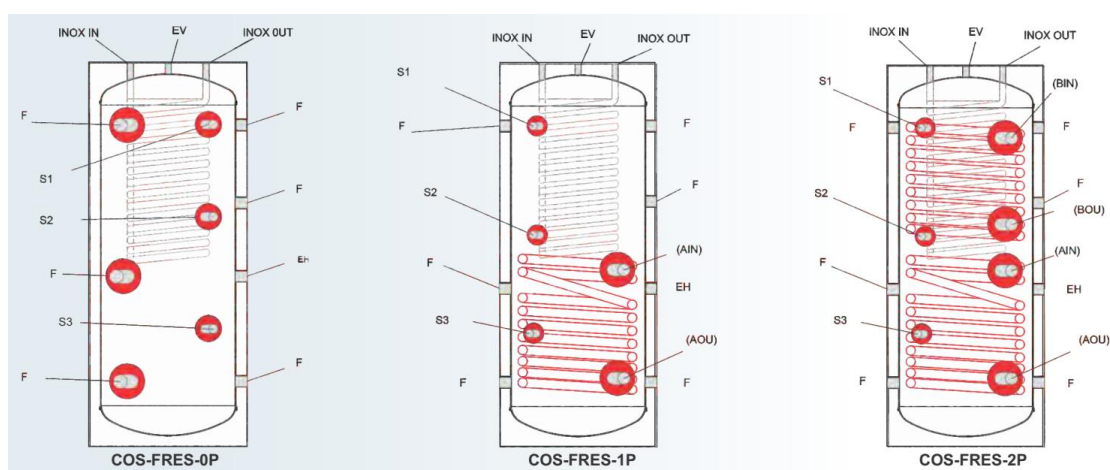
ARTICLE	DIAMETER (mm)	HEIGHT (mm)	CAPACITY (Lt)	WEIGHT EMPTY (Kg)
COS-300FRES-0P	630	1800	279	90
COS-500FRES-0P	850	1800	459	126
COS-800FRES-0P	1050	1800	726	179
COS-1000FRES-0P	1050	2000	845	204
COS-1500FRES-0P	1400	1800	1602	276
COS-2000FRES-0P	1400	2000	1881	311

With STAINLESS STEEL COIL for hot sanitary water production only and one coil (solar / heating)

ARTICLE	DIAMETER (mm)	HEIGHT (mm)	CAPACITY (Lt)	WEIGHT EMPTY (Kg)
COS-300FRES-1P	630	1800	279	113
COS-500FRES-1P	850	1800	443	156
COS-800FRES-1P	1050	1800	706	224
COS-1000FRES-1P	1050	2000	824	254
COS-1500FRES-1P	1400	1800	1578	333
COS-2000FRES-1P	1400	2000	1856	371

With STAINLESS STEEL COIL for hot sanitary water production only and two coils (solar / heating)

ARTICLE	DIAMETER (mm)	HEIGHT (mm)	CAPACITY (Lt)	WEIGHT EMPTY (Kg)
COS-300FRES-2P	630	1800	279	130
COS-500FRES-2P	850	1800	427	174
COS-800FRES-2P	1050	1800	691	249
COS-1000FRES-2P	1050	2000	810	284
COS-1500FRES-2P	1400	1800	1555	371
COS-2000FRES-2P	1400	2000	1841	413



ELECTRICAL COMPONENTS:

All above buffer tanks can take electrical resistance of 1.5 – 4kw or three-phase element of 6 – 9kw.

All above buffer tanks can be produced upon request for cooling circuits and with metallic external cover.

BUFFER TANKS 500 – 2000L FOR SOLAR HEATING AND HOT SANITARY WATER PRODUCTION

Material: steel

Working pressure of the tank: 4 bar

Maximum working pressure of the tank: 6 bar

Maximum working temperature of the tank: 95°C

Hot sanitary

water coil (300L) : Stainless steel 316L, DN25 – 3/4 ' male threaded & 30m long

Hot sanitary water coil (rest of tanks): Stainless steel 316L, DN25 – 1' male threaded & 30m long

Maximum working pressure of the hot sanitary water coil: 12 bar

Maximum working temperature of the hot sanitary water coil: 95°C

Heat exchangers: steel pipes

Maximum working pressure of the heat exchangers: 16 bar

Maximum working temperature of the heat exchangers: 160°C

Insulation: Extractible soft P.U. 100mm thick.

DESCRIPTION		COS-300 FRES	COS-500 FRES	COS-800 FRES	COS-1000 FRES	COS-1500 FRES	COS-2000 FRES
Internal diameter	mm	510	650	850	850	1200	1200
External diameter	mm	610	850	1050	1050	1400	1400
Height	mm	1800	1800	1800	2000	1800	2000
Tank thickness	mm	3		4			
Tank weight	kg	90	126	179	204	276	311
Maximum working temperature of the tank	°C	95					
Maximum working pressure of the tank	bar	6					
Maximum working pressure of the exchangers	bar	16					
Insulation (P.U.)		Rigid	Soft				
Insulation thickness	mm	100					
Maximum working temperature of the exchangers	°C	130					
Hot sanitary water coil INOX surface	m²	3.40	4.15	4.50			
Coil B surface (burner)	m²	0.75	1.20	1.75	2.00	3.00	3.20
Coil A surface (solar)	m²	1.00	2.00	2.75	3.00	3.30	3.80
Hot sanitary water coil INOX capacity	L	13.00	19.20				
Coil B capacity (burner)	L	4.70	7.80	10.90	12.70	20.00	22.00
Coil A capacity (solar)	L	6.30	12.40	17.70	18.80	21.00	21.00
Hot sanitary water coil INOX diameter	inch	¾"	1"				
Coil B diameter (burner)	inch	1"					
Coil A diameter (solar)	inch	1"					
No of free outlets EF		6					
Diameter of free outlets EF	inch	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Electrical resistance socket EH		Available					
Electrical resistance socket's diameter EH	inch	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Ventilation socket EV		Available					
Ventilation socket's diameter EV	inch	½"	1"				
Sensor socket S1, S2, S3	inch	½"					