



AISI 316L Stainless steel calorifier with fixed coil

SFI - With one heat exchanger

DSFI - With two heat exchangers

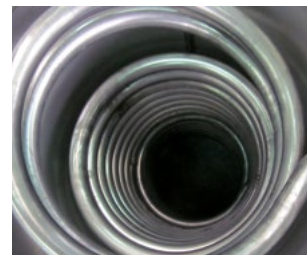
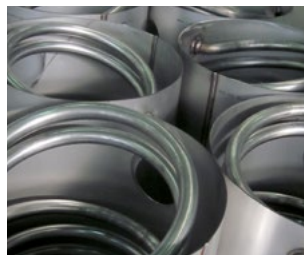
Calorifiers made of AISI 316L Stainless steel, designed for the production and storage of domestic hot water (DHW). They are equipped with one or two internal fixed coils that can be fed by a solar system and/or a boiler. The wide range of capacities

(from 150 to 5000 litres) allows their installation in every system, from domestic use to commercial applications that need to rely on a highly reliable product. Cylinders are also prepared to host a backup immersion heater (not supplied).

HEAT SOURCE



APPLICATION



TECHNICAL FEATURES

DHW cylinder

Heat exchanger

General features

Material	AISI 316L Stainless steel (1.4404)
Internal protective treatment	Pickling and passivation
External protective treatment	Pickling and passivation
Rating (P max. / T max.)	6 bar / 95°C
Cathodic protection	Magnesium anode
Material	AISI 316L Stainless steel (1.4404)
Internal protective treatment	Pickling and passivation
External protective treatment	Pickling and passivation
Type	Fixed coil
Rating (P max. / T max.)	10 bar / 95°C
Capacity	150 - 5000 L
Warranty	5 years
Insulation	- Soft insulation with polyester + PVC: Fire retardant class B2 (DIN 4102) - Hard insulation: up to 2000 L with polyurethane foam + PVC: Fire retardant class B3 (DIN 4102) from 2500 to 5000 L with polyester (15 mm) + polystyrene (85 mm) + PVC: Fire retardant class B2 (DIN 4102)
In compliance with	- Pressure Equipment Directive (PED) 2014/68/UE Art. 4 Para 3 - Italian MOH specifications (products suitable to contain potable water) - Energy related Products (Erp) Directive 2009/125/CE

ACCESSORIES (page 218)



Impressed current electronic anode



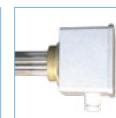
Electronic control unit



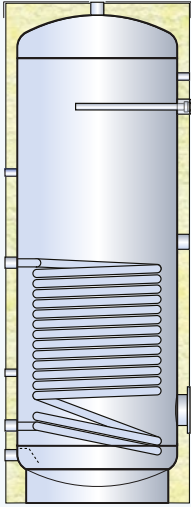
Thermostat



Thermometer



1 1/2 electric immersion heater



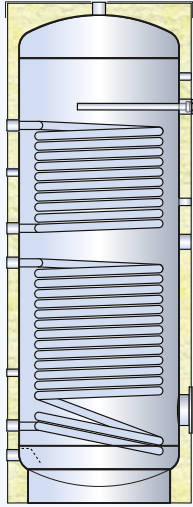
SFI - Hard insulation and PVC jacket

CODE	INSULATION THICK. (mm)	ErP CLASS	HEAT LOSS S (W)	REAL CAPACITY (L)	HEAT EXCHANGER (m ²) / (L) *
SFI 00150 R	50	B	49,7	148,0	0,85 / 8,3
SFI 00200 R	50	B	56,7	189,8	0,90 / 8,8
SFI 00300 R	50	B	68,2	290,3	1,30 / 12,7
SFI 00400 R	50	B	72,0	414,9	1,60 / 15,7
SFI 00500 R	50	B	80,6	500,3	1,95 / 19,1
SFI 00800 R	100	C	105,9	749,8	2,70 / 26,5
SFI 01000 R	100	C	109,7	931,5	3,00 / 29,4
SFI 01500 R	100	C	132,3	1474,3	3,70 / 36,3
SFI 02000 R	100	C	142,5	1951,9	4,80 / 47,0
SFI 02500 R	100	-	-	2495,4	6,00 / 58,8
SFI 03000 R	100	-	-	2959,4	8,00 / 78,4
SFI 04000 R	100	-	-	3896,3	10,00 / 98,0
SFI 05000 R	100	-	-	5007,1	10,00 / 98,0

SFI - Soft insulation with polyester and PVC jacket

CODE	INSULATION THICK. (mm)	ErP CLASS	HEAT LOSS S (W)	REAL CAPACITY (L)	HEAT EXCHANGER (m ²) / (L) *
SFI 00800 F	130	C	125,9	749,8	2,70 / 26,5
SFI 01000 F	130	C	137,9	931,5	3,00 / 29,4
SFI 01500 F	130	C	168,1	1474,3	3,70 / 36,3
SFI 02000 F	130	C	181,4	1951,9	4,80 / 47,0
SFI 02500 F	100	-	-	2495,4	6,00 / 58,8
SFI 03000 F	100	-	-	2959,4	8,00 / 78,4
SFI 04000 F	100	-	-	3896,3	10,00 / 98,0
SFI 05000 F	100	-	-	5007,1	10,00 / 98,0

* Volume occupied by the heat exchanger and its support structure



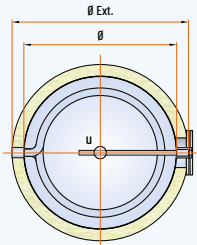
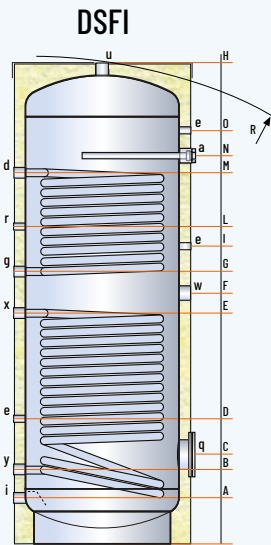
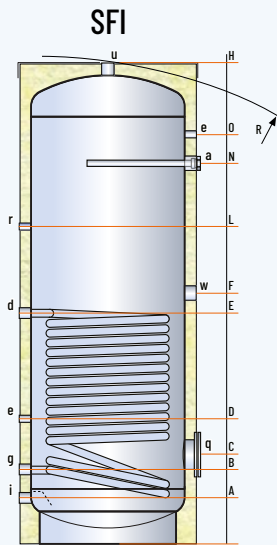
DSFI - Hard insulation and PVC jacket

CODE	INSULATION THICK. (mm)	ErP CLASS	HEAT LOSS S (W)	REAL CAPACITY (L)	LOWER HEAT EXCHANGER (m ²) / (L)*	UPPER HEAT EXCHANGER (m ²) / (L)*
DSFI 00200 R	50	B	56,7	189,8	0,90 / 8,8	0,50 / 4,9
DSFI 00300 R	50	B	68,2	290,3	1,30 / 12,7	0,85 / 8,3
DSFI 00400 R	50	B	72,0	414,9	1,60 / 15,7	0,90 / 8,8
DSFI 00500 R	50	B	80,6	500,3	1,95 / 19,1	1,10 / 10,8
DSFI 00800 R	100	C	105,9	749,8	2,70 / 26,5	1,50 / 14,7
DSFI 01000 R	100	C	109,7	931,5	3,00 / 29,4	1,90 / 18,6
DSFI 01500 R	100	C	132,3	1474,3	3,70 / 36,3	2,30 / 22,5
DSFI 02000 R	100	C	142,5	1951,9	4,80 / 47,0	3,00 / 29,4
DSFI 02500 R	100	-	-	2495,4	6,00 / 58,8	3,00 / 29,4
DSFI 03000 R	100	-	-	2959,4	8,00 / 78,4	4,00 / 39,2
DSFI 04000 R	100	-	-	3896,3	10,00 / 98,0	4,00 / 39,2
DSFI 05000 R	100	-	-	5007,1	10,00 / 98,0	4,00 / 39,2

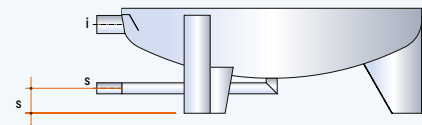
DSFI - Soft insulation with polyester and PVC jacket

CODE	INSULATION THICK. (mm)	ErP CLASS	HEAT LOSS S (W)	REAL CAPACITY (L)	LOWER HEAT EXCHANGER (m ²) / (L)*	UPPER HEAT EXCHANGER (m ²) / (L)*
DSFI 00800 F	130	C	125,9	749,8	2,70 / 26,5	1,50 / 14,7
DSFI 01000 F	130	C	137,9	931,5	3,00 / 29,4	1,90 / 18,6
DSFI 01500 F	130	C	168,1	1474,3	3,70 / 36,3	2,30 / 22,5
DSFI 02000 F	130	C	181,4	1951,9	4,80 / 47,0	3,00 / 29,4
DSFI 02500 F	100	-	-	2495,4	6,00 / 58,8	3,00 / 29,4
DSFI 03000 F	100	-	-	2959,4	8,00 / 78,4	4,00 / 39,2
DSFI 04000 F	100	-	-	3896,3	10,00 / 98,0	4,00 / 39,2
DSFI 05000 F	100	-	-	5007,1	10,00 / 98,0	4,00 / 39,2

* Volume occupied by the heat exchanger and its support structure



Detail of the total drain pipe for models 2000-5000 litres



LEGEND

- a** . Magnesium anode
- d** . Boiler flow
- e** . Thermometer - Sensor
- g** . Boiler return
- i** . Domestic cold water inlet
- q** . DHW inspection hatch
- r** . Recirculation
- s** . Drain
- u** . Domestic hot water outlet
- w** . Opening for immersion heater
- x** . Solar system flow
- y** . Solar system return

MODEL	DIMENSIONS (mm)		Ø EXT ** (Hard/Soft ins.)	R *	LOWER HEAT EXCHANGER (m ²)	UPPER HEAT EXCHANGER (m ²)	WEIGHT SFI (kg)	WEIGHT DSFI (kg)
	Ø	H						
SFI 00150 R	450	1055	550	1200	0,85	-	46	-
_SFI 00200 R	450	1305	550	1430	0,90	0,50	53	59
_SFI 00300 R	500	1595	600	1720	1,30	0,85	68	78
_SFI 00400 R	650	1395	750	1600	1,60	0,90	78	89
_SFI 00500 R	650	1645	750	1820	1,95	1,10	91	104
SFI 00800	790	1750	990/1050	1745	2,70	1,50	130	148
SFI 01000	790	2100	990/1050	2095	3,00	1,90	150	173
SFI 01500	1000	2115	1200/1260	2145	3,70	2,30	224	252
SFI 02000	1100	2465	1300/1360	2465	4,80	3,00	295	331
SFI 02500	1200	2595	1400	2640	6,00	3,00	344	380
SFI 03000	1250	2795	1450	2835	8,00 ***	4,00	411	459
SFI 04000	1400	2925	1600	2995	10,00 ***	4,00	590	638
SFI 05000	1600	2955	1800	3090	10,00 ***	4,00	675	723

* For capacities from 150 to 500 litres, the tilt height refers to the insulated cylinder

** The insulation is removable except for models from 150 to 500 litres

*** Heat exchanger made by a parallel double spiral coil

MODEL	HEIGHTS (mm)													CONNECTIONS (GAS)								
	A	B	C	D	E	F	G	I	L	M	N	O	S	a	dg	xy	e	i	u	r	s****	w
SFI 00150 R	110	190	260	300	530	560	-	-	730	-	730	840	-	1"¼	1"	1"	½"	1"	½"	-	1"½	120/180
_SFI 00200 R	110	190	260	340	630	690	740	850	840	950	980	1090	-	1"¼	1"	1"	½"	1"	½"	-	1"½	120/180
_SFI 00300 R	120	230	300	405	790	845	900	1050	1050	1200	1250	1365	-	1"¼	1"	1"	½"	1"	½"	-	1"½	120/180
SFI 00400	145	240	310	375	690	745	800	900	900	1000	1030	1140	-	1"¼	1"	1"	½"	1"	½"	-	1"½	120/180
SFI 00500	145	240	310	395	840	895	950	1095	1095	1250	1280	1390	-	1"¼	1"	1"	½"	1"	½"	-	1"½	120/180
SFI 00800	170	275	345	425	870	940	1010	1095	1200	1385	1250	1425	-	1"¼	1"	1"	½"	1"½	1"	-	1"½	120/180
SFI 01000	170	275	345	430	1020	1090	1160	1280	1400	1635	1450	1770	-	1"¼	1"	1"	½"	1"½	1"	-	1"½	120/180
SFI 01500	230	375	475	530	1110	1180	1250	1345	1460	1675	1490	1740	-	1"¼	1"	1"	½"	2"	1"	-	1"½	220/290
SFI 02000	325	465	585	620	1350	1420	1490	1625	1755	2015	1830	2035	-	1"¼	1"	1"	½"	2"	1"	1"	1"½	220/290
SFI 02500	355	470	585	625	1320	1470	1610	1770	1770	1970	2020	2170	100	1"¼	1"	1"	½"	2"	1"	1"	1"½	220/290
SFI 03000	335	470	630	680	1215	1400	1570	1705	1810	2050	2110	2355	90	1"¼	1"	1"¼	½"	3"	1"¼	1"	1"½	220/290
SFI 04000	430	550	700	750	1335	1520	1690	1825	1890	2090	2170	2435	120	1"¼	1"	1"¼	½"	3"	1"¼	1"	1"½	220/290
SFI 05000	420	555	705	790	1340	1500	1670	1760	1870	2070	2140	2440	100	1"¼	1"	1"¼	½"	3"	1"¼	1"	1"½	220/290

**** Calorifiers with capacities above 2000 litres are equipped with total drain pipe (see detail above)

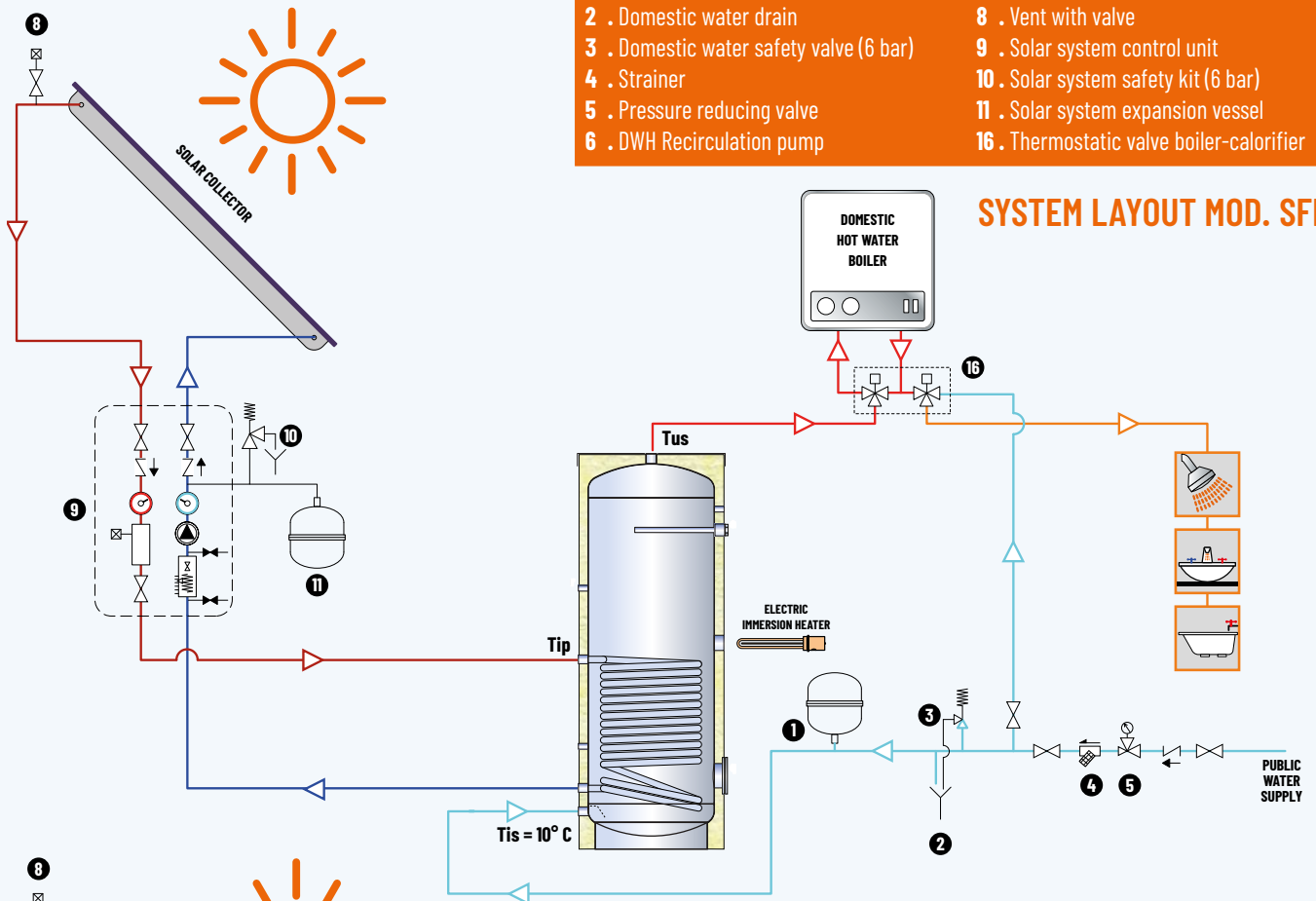
System layout

Disclaimer: this layout is purely indicative. It does not replace consultant's design

LEGEND

- | | |
|---|---|
| 1 . Domestic water expansion vessel | 7 . DHW 3-way valve |
| 2 . Domestic water drain | 8 . Vent with valve |
| 3 . Domestic water safety valve (6 bar) | 9 . Solar system control unit |
| 4 . Strainer | 10 . Solar system safety kit (6 bar) |
| 5 . Pressure reducing valve | 11 . Solar system expansion vessel |
| 6 . DWH Recirculation pump | 16 . Thermostatic valve boiler-calorifier |

SYSTEM LAYOUT MOD. SFI



SYSTEM LAYOUT MOD. DSFI

