Glass lined calorifier with fixed coil
SFV - With one heat exchanger
DSFV - With two heat exchangers

Calorifiers made of glass lined 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 2000 litres), the high level of quality and its resistance to the high temperatures (up to 95 °C), are the strength points of this product.
Cylinders are also prepared to host a backup immersion heater (not supplied).

HEAT SOURCE

APPLICATION

TECHNICAL FEATURES

DHW cylinder	**Material**	Glass lined S 235 Jr Carbon steel
	Internal protective treatment	Enamelling according to DIN 4753.3
	External protective treatment	Anti rust protection + epoxy painting
	Rating (P max. / T max.)	8 bar / 95°C
	Cathodic protection	Magnesium anode
Heat exchanger	**Material**	Glass lined S 235 Jr Carbon steel
	Internal protective treatment	None
	External protective treatment	Enamelling according to DIN 4753.3
	Type	Fixed coil
	Rating (P max. / T max.)	10 bar / 95°C
General features	**Capacity**	150 - 2000 L
	Warranty	5 years
	Insulation	- Rigid polyurethane foam + PVC: Fire retardant class B3 (DIN 4102) - Soft insulation with polyester + 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)

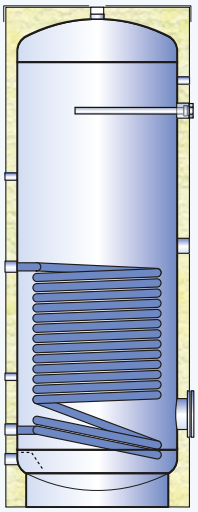
Impressed current electronic anode

Electronic control unit

Thermostat

Thermometer

1"½ electric immersion heater

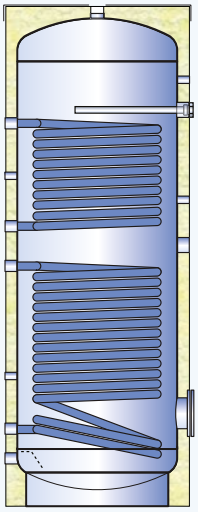


SFV - Hard insulation with rigid polyurethane foam and PVC jacket

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

SFV - 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) *
SFV 00800 F	130	C	125,9	749,8	2,70 / 26,5
SFV 01000 F	130	C	137,9	931,5	3,00 / 29,4
SFV 01500 F	130	C	168,1	1474,3	3,70 / 36,3
SFV 02000 F	130	C	181,4	1951,9	4,80 / 47,0



DSFV - Hard insulation with rigid polyurethane foam 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) *
DSFV 00200 R	50	B	56,7	189,8	0,90 / 8,8	0,50 / 4,9
DSFV 00300 R	50	B	68,2	290,3	1,30 / 12,7	0,85 / 8,3
DSFV 00400 R	50	B	72,0	414,9	1,60 / 15,7	0,90 / 8,8
DSFV 00500 R	50	B	80,6	500,3	1,95 / 19,1	1,10 / 10,8
DSFV 00800 R	100	C	105,9	749,8	2,70 / 26,5	1,50 / 14,7
DSFV 01000 R	100	C	109,7	931,5	3,00 / 29,4	1,90 / 18,6
DSFV 01500 R	100	C	132,3	1474,3	3,70 / 36,3	2,30 / 22,5
DSFV 02000 R	100	C	142,2	1951,9	4,80 / 47,0	3,00 / 29,4

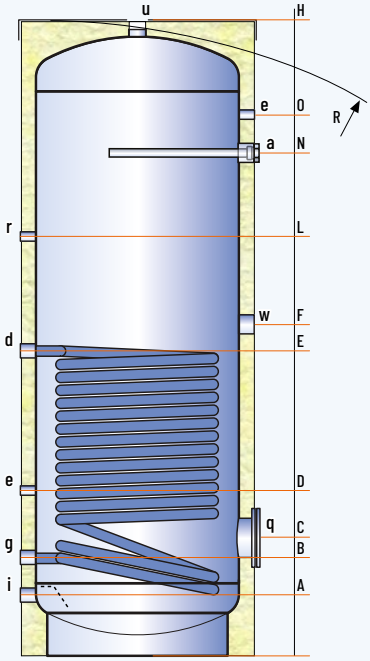
DSFV - Soft insulation with polyester and PVC jacket

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) *
DSFV 00800 F	130	C	125,9	749,8	2,70 / 26,5	1,50 / 14,7
DSFV 01000 F	130	C	137,9	931,5	3,00 / 29,4	1,90 / 18,6
DSFV 01500 F	130	C	168,1	1474,3	3,70 / 36,3	2,30 / 22,5
DSFV 02000 F	130	C	181,4	1951,9	4,80 / 47,0	3,00 / 29,4

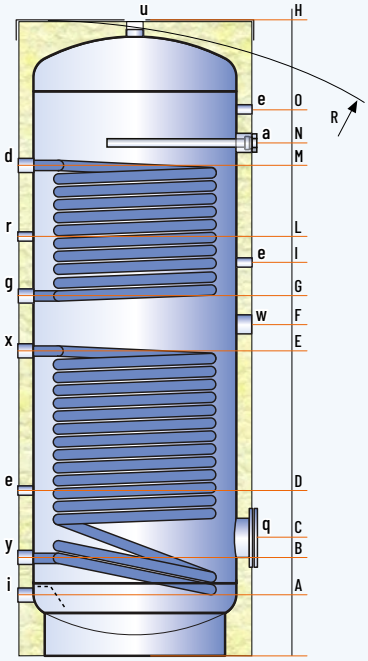
** Volume occupied by the heat exchanger and its support structure*

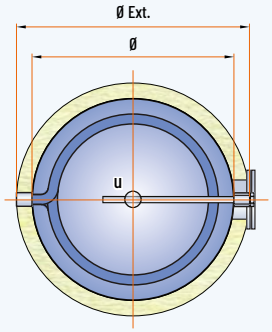
Dimensions and heights

SFV



DSFV





LEGEND

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

MODEL	DIMENSIONS (mm) Ø	H	Ø EXT ** (Hard/Soft ins.)	R *	LOWER HEAT EXCHANGER (m^2)	UPPER HEAT EXCHANGER (m^2)	WEIGHT SFV (kg)	WEIGHT DSFV (kg)
SFV 00150 R	450	1065	550	1210	0,85	-	54	-
_SFV 00200 R	450	1320	550	1440	0,90	0,50	64	70
_SFV 00300 R	500	1610	600	1730	1,30	0,85	83	93
_SFV 00400 R	650	1410	750	1610	1,60	0,90	98	109
_SFV 00500 R	650	1660	750	1835	1,95	1,10	112	125
SFV 00800	790	1750	990/1050	1745	2,70	1,50	177	195
SFV 01000	790	2100	990/1050	2095	3,00	1,90	206	229
SFV 01500	1000	2115	1200/1260	2145	3,70	2,30	323	351
SFV 02000	1100	2380	1300/1360	2465	4,80	3,00	452	488

** 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*

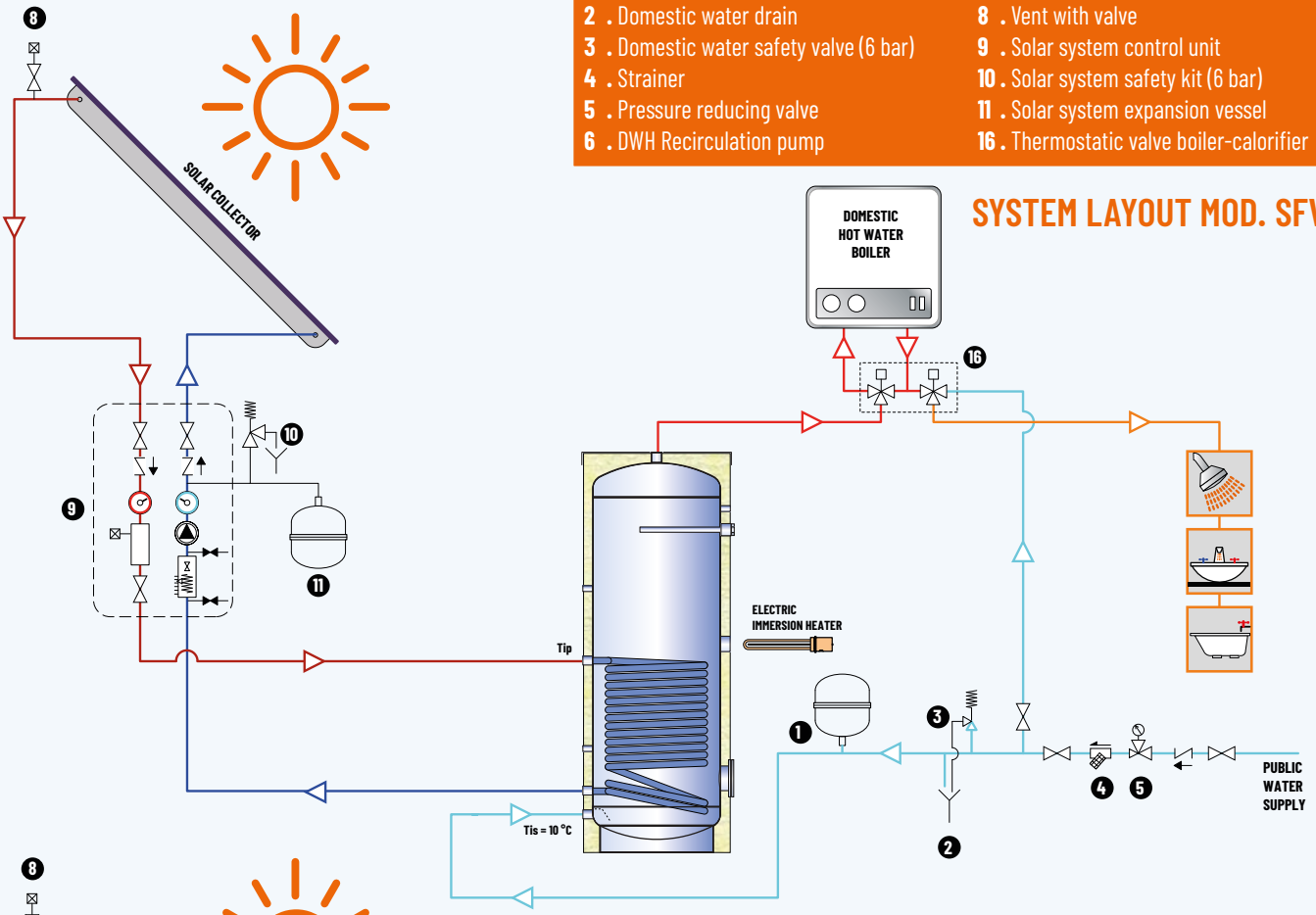
MODEL	HEIGHTS (mm) A	B	C	D	E	F	G	I	L	M	N	O	CONNECTIONS (GAS) a	d g x y	e	i	r	u	w	q
SFV 00150 R	110	190	260	300	530	560	-	-	730	-	730	840	1"¼	1"	½"	1"	½"	1"¼	1"½	120/180
_SFV 00200 R	110	190	260	340	630	690	740	850	840	950	980	1090	1"¼	1"	½"	1"	½"	1"¼	1"½	120/180
_SFV 00300 R	120	230	300	405	790	845	900	1050	1050	1200	1250	1365	1"¼	1"	½"	1"	½"	1"¼	1"½	120/180
_SFV 00400 R	145	240	310	375	690	745	800	900	900	1000	1030	1140	1"¼	1"	½"	1"	½"	1"¼	1"½	120/180
_SFV 00500 R	145	240	310	395	840	895	950	1095	1095	1250	1280	1390	1"¼	1"	½"	1"	½"	1"¼	1"½	120/180
SFV 00800	150	275	345	425	870	940	1010	1095	1200	1385	1250	1425	1"¼	1"	½"	1"½	1"	1"½	1"½	120/180
SFV 01000	150	275	345	430	1020	1090	1160	1280	1400	1635	1450	1770	1"¼	1"	½"	1"½	1"	1"½	1"½	120/180
SFV 01500	230	375	475	530	1110	1180	1250	1345	1460	1675	1490	1740	1"¼	1"	½"	2"	1"	2"	1"½	220/290
SFV 02000	255	385	540	540	1270	1340	1410	1545	1675	1935	1750	1955	1"¼	1"	½"	2"	1"	2"	1"½	220/290

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

LEGEND

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

SYSTEM LAYOUT MOD. SFV



SYSTEM LAYOUT MOD. DSFV