

Accessories

Installation kit

B0918 **Sherpa Flex Box AS kit**
Technical cabinet in galvanised steel, allowing the creation of a compact heat pump system with high installation flexibility. Dimensions (WxHxD): 998x415x2280 mm. System connections from below or from the back.



B0961 **Sherpa Flex Box AS RAL 9016 kit**
Technical cabinet in galvanised steel, allowing the creation of a compact heat pump system with high installation flexibility. Painted in white RAL 9016 (front/back for upper, lower side and front panels, back panels not painted). Dimensions (WxHxD): 998x415x2280 mm. System connections from below or from the back.



B0931 **Remote control display kit 10 m**
In cases where it is possible or preferable to control the heat pump from a room other than the room where the internal unit is installed, the control can be easily remote-operated. With the special remote control panel kit, the touchscreen interface is thus accessible up to 10 metres away (cable length 10 metres).



B1120 **Sherpa Flex Box adapter kit**
Accessory necessary for combining the Sherpa Flex Box AS Kit with the Sherpa S2/S3 heat pump (not Aquadue).



Sherpa Flex Box

Self-supporting technical cabinet for a more flexible installation

Compatible with the wall-mounted internal units of the Sherpa and Sherpa Aquadue air-to-water heat pumps (sizes 4, 6, 8 and 10), allowing for the creation of a compact system with high installation flexibility:

- Indoors, wall-mounted;
- indoors, semi-recessed;
- outdoors, wall-mounted;
- outdoors, semi-recessed.

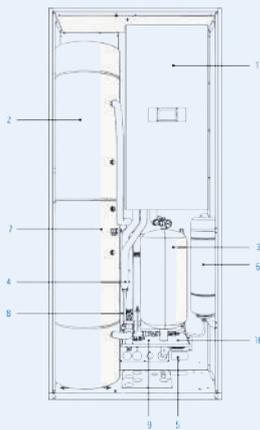
In outdoor installations, a weather-protected area is recommended.

The heat distribution and emission network downstream of the Sherpa Flex Box must guarantee the circulation with the minimum flow rate of the heat pump, in all operating conditions, by means of 3-way valves or by-pass systems. For sizes 8 and 10 of the heat pump, the water content of the distribution network and terminals must be at least 10 litres (see product installation manuals).

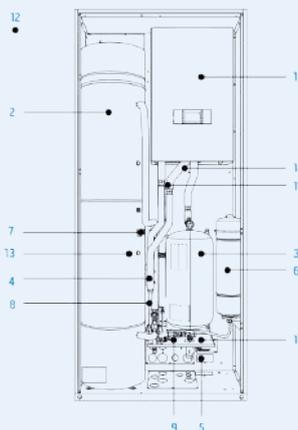


LAYOUT

SHERPA AQUADUE



SHERPA



2. AISI 316L stainless steel ACS 150L kettle with 50 mm EPS and graphite thermal insulation to minimize leakage (class C).
3. 28L technical storage tank made of AISI 316L stainless steel to ensure efficient and safe operation of the heat pump (class C).
4. Kettle return filter.
5. Plant return filter.
7. Sanitary safety valve 6 bar.
8. Sanitary thermostatic mixing valve.
9. Micrometric detent for by-pass.
10. Condensation drip pan to prevent any slightest drip on the bottom of the cabinet
11. 3-way valve kit for DHW (code B0916 to be ordered separately).
12. Outdoor air temperature probe kit (code B0623 to be ordered separately).
13. DHW cylinder sensor kit (code B0624 to be ordered separately).
14. Flex Box adapter kit (code no. B1120 to be ordered separately).
13. DHW cylinder sensor kit (code B0624 to be ordered separately).
14. Flex Box adapter kit (code no. B1120 to be ordered separately).

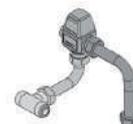
Accessories

Hydraulics kit

B0916 **Kit 3-way valve for DHW**
Compact size and two-point control.



B0971 **Thermostatic mixing valve kit for DHW**
Assembly in the machine must be carried out by the installer



B0972 **Expansion tank kit for DHW**
Assembly in the machine must be carried out by the installer



Electrical kits

B0623 **Outdoor air temperature probe kit**
Shielded probe to measure the outdoor air temperature. It is necessary to allow for the activation of electric heating elements, manage heating curves and control anti-legionella disinfection cycles.



B0624 **DHW storage tank sensor kit**
Probe to measure and directly control the water temperature in the DHW storage tank.



B0917 **Kit thermal solar probe**
Additional probe that detects the temperature of the solar thermal pipes and inhibits the heat pump, to produce DHW only via solar thermal under certain conditions.



B0900 **100m touch panel Modbus connection cable**
Length 100 m. Required accessory supplied separately.

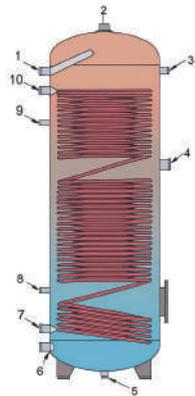


Storage tanks and puffer

01804	<p>HE 200 L storage tank</p> <p>200L storage tank for domestic hot water production with a single coil (double spiral) providing a high heat exchange surface in carbon steel, complete with anodic protection and internal vitrification treatment according to DIN 4753-3 and UNI 10025. Rigid polyurethane insulation. Sky Blue RAL 5010 coating.</p>	
01805	<p>HE 300 L storage tank</p> <p>300L storage tank for domestic hot water production with a single coil (double spiral) providing a high heat exchange surface in carbon steel, complete with anodic protection and internal vitrification treatment according to DIN 4753-3 and UNI 10025. Rigid polyurethane insulation. Sky Blue RAL 5010 coating.</p>	
01806	<p>HES 300 L solar storage tank</p> <p>300L storage tank for domestic hot water production with 2 coils (double spiral and solar) providing a high heat exchange surface in carbon steel, complete with anodic protection and internal vitrification treatment according to DIN 4753-3 and UNI 10025. Rigid polyurethane insulation. Sky Blue RAL 5010 coating.</p>	
01807	<p>Hybride boiler HY 300 L</p> <p>300L upper storage tank for domestic hot water production with a single coil providing a high heat exchange surface in carbon steel, complete with anodic protection and internal vitrification treatment according to DIN 4753-3 and UNI 10025. Lower inertia tanks for heating or chilled water, untreated interior. Rigid polyurethane insulation. Sky Blue RAL 5010 coating.</p>	
01808	<p>HYS 300 L solar hybrid storage tank</p> <p>300L upper storage tank for domestic hot water production with 2 coils (solar) providing a high heat exchange surface in carbon steel, complete with anodic protection and internal vitrification treatment according to DIN 4753-3 and UNI 10025. Lower inertia tanks for heating or chilled water, untreated interior. Rigid polyurethane insulation. Sky Blue RAL 5010 coating.</p>	
01199	<p>Thermal accumulation 50 L</p> <p>50L inertial buffer tank for chilled water, untreated interior. Can also be used for heating water. Polyurethane insulation. Sky Blue RAL 5010 coating.</p>	
01200	<p>Thermal accumulation 100 L</p> <p>100L inertial buffer tank for chilled water, untreated interior. Can also be used for heating water. Polyurethane insulation. Sky Blue RAL 5010 coating.</p>	

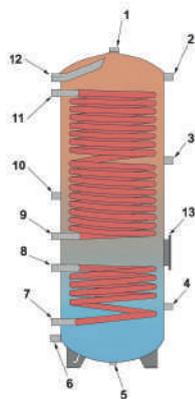
LAYOUT

HE STORAGE TANKS



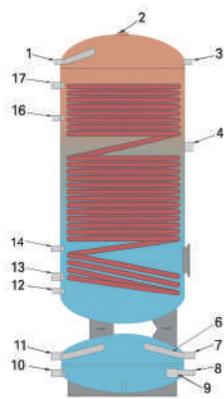
1. 1" hot water delivery
2. 1" 1/4 anode
3. Thermometer - 1/2" probe
4. 1" 1/2 electric heating element connection
5. 1/2" base attachment (blank)
6. 1" cold water inlet
7. 1" coil return
8. Thermostat - 1/2" probe
9. 1/2" recirculation
10. 1" coil delivery

HES STORAGE TANKS



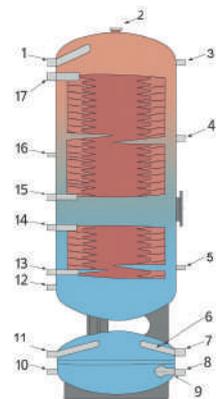
1. 1" 1/4 anode
2. Thermometer - 1/2" probe
3. Thermometer - 1/2" probe
4. Thermometer - 1/2" probe
5. 1/2" base attachment (blank)
6. 1" cold water inlet
7. 1" lower coil return
8. 1" lower coil delivery
9. 1" upper coil return
10. 1/2" recirculation
11. 1" upper coil delivery
12. 1" hot water delivery
13. Flange with 1" 1/2 electric heating element connection

HY STORAGE TANKS



1. 1" domestic hot water delivery
2. 1" 1/4 anode
3. 1/2" thermometer
4. 1" 1/2 electric heating element connection
6. 1/2" probe
7. 1" generator delivery
8. 1" generator return
9. 1" 1/2 electric heating element
10. 1" system return
11. 1" system delivery
12. 1" domestic cold water inlet
13. 1" 1/4 coil return
14. 1/2" probe
16. 1/2" recirculation
17. 1" upper coil delivery

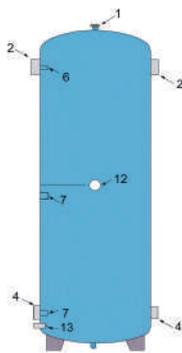
HYS STORAGE TANKS



1. 1" domestic hot water delivery
2. 1" 1/4 anode
3. 1/2" thermometer
4. 1/2" probe
5. 1/2" probe
6. 1/2" probe
7. 1" generator delivery
8. 1" generator return
9. 1" 1/2 electric heating element
10. 1" system return
11. 1" system delivery
12. 1" domestic cold water inlet
13. 1" lower coil return
14. 1" lower coil delivery
15. 1" upper coil return
16. 1/2" recirculation
17. 1" upper coil delivery

LAYOUT

STORAGE TANKS

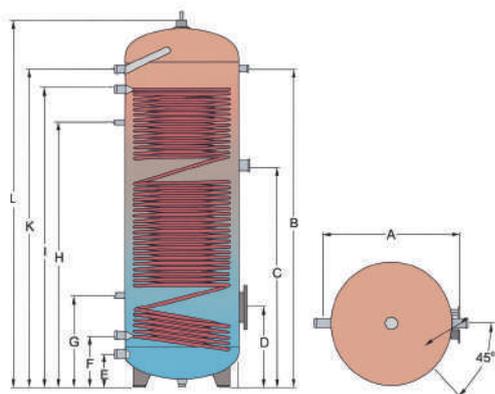


1. 1" vent
2. 1" 1/4 hydraulic connection
4. 1" 1/4 hydraulic connection
6. 1/2" probe
7. 1/2" probe
12. 1" 1/2 electric heating element
13. Drain 1/2"

DIMENSIONS AND WEIGHT

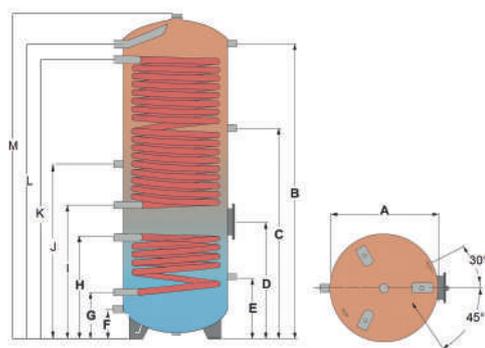
1-HE COIL STORAGE TANK

		01804	01805
A	mm	500	500
B	mm	995	1390
C	mm	735	945
D	mm	320	340
E	mm	140	140
F	mm	220	220
G	mm	370	395
H	mm	835	1165
I	mm	990	1310
K	mm	1070	1390
L	mm	1215	1615
WEIGHT	kg	90	124



2-HES COIL STORAGE TANK

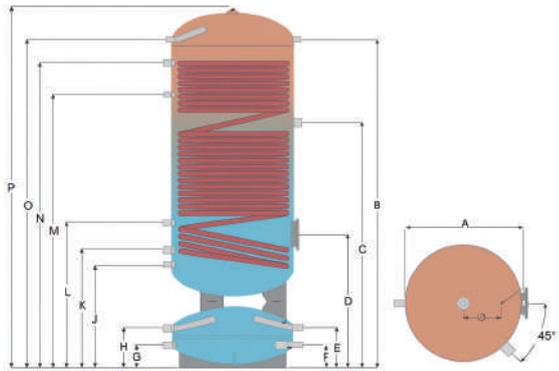
		01806
A	mm	500
B	mm	1470
C	mm	1035
D	mm	590
E	mm	315
F	mm	140
G	mm	220
H	mm	495
I	mm	650
J	mm	865
K	mm	1390
L	mm	1470
M	mm	1615
WEIGHT	kg	131



DIMENSIONS AND WEIGHT

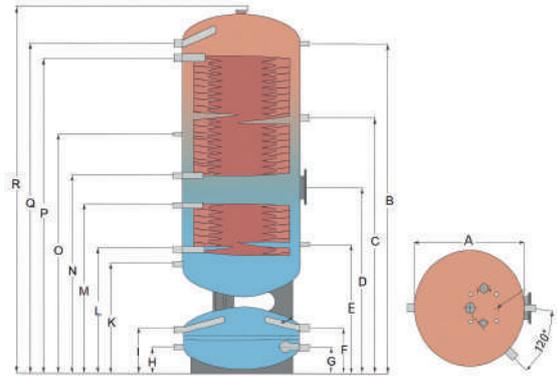
1-HY COIL STORAGE TANK

		01807
A	mm	550
B	mm	1755
C	mm	1300
D	mm	875
E	mm	340
F	mm	160
G	mm	160
H	mm	340
J	mm	675
K	mm	765
L	mm	940
M	mm	1425
N	mm	1675
O	mm	1755
P	mm	1925
Q	mm	150
WEIGHT	kg	150



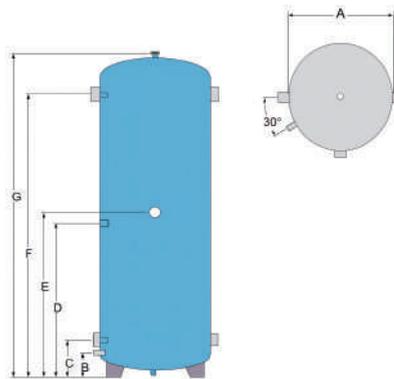
2-HYS COIL STORAGE TANK

		01808
A	mm	550
B	mm	1755
C	mm	1420
D	mm	1035
E	mm	810
F	mm	340
G	mm	160
H	mm	160
I	mm	340
K	mm	675
L	mm	755
M	mm	945
N	mm	1125
O	mm	1280
P	mm	1675
Q	mm	1755
R	mm	1925
S	mm	150
WEIGHT	kg	170



INERTIA TANKS

		01199	01200
A	mm	300	400
B	mm	100	100
C	mm	180	185
D	mm	485	560
E	mm	530	605
F	mm	785	935
G	mm	935	1095
WEIGHT	kg	25	35



TECHNICAL DATA

		HE 200 L storage tank	HE 300 L storage tank	HES 300 L solar storage tank
Product code		01804	01805	01806
Nominal DHW storage tank capacity	l	200	300	300
Usable DHW storage tank capacity	l	190	263	260
Technical buffer tank	l	-	-	-
Energy class		B	B	B
Total dispersion	W	51	63	63
Specific dispersion	W/°K	1,13	1,4	1,4
Heat pump upper coil heat exchangers	m2	3	4	3,7
Secondary circuit upper coil heat exchangers	m2	-	-	1,2
Diameter with insulation	mm	640	640	640
Insulation	mm	70	70	70

TECHNICAL DATA

		Hybride boiler HY 300 L	HYS 300 L solar hybrid storage tank	Thermal accumulation 50 L	Thermal accumulation 100 L
Product code		01807	01808	01199	01200
Nominal DHW storage tank capacity	l	300	300	-	-
Usable DHW storage tank capacity	l	270	270	-	-
Technical buffer tank	l	80	80	57	123
Energy class		B	B	B	B
Total dispersion	W	73	73	34	50
Specific dispersion	W/°K	1,62	1,62	0,76	1,11
Heat pump upper coil heat exchangers	m2	3,3	2,8	-	-
Secondary circuit upper coil heat exchangers	m2	-	0,9	-	-
Diameter with insulation	mm	690	690	400	500
Insulation	mm	70	70	50	50

Resistances

- B0618** **Resistance for boiler 2 kW**
Copper immersion electric heating element, with an internal adjustable thermostat and a temperature limiter. Supply voltage 230V. IP 65. Length: 390mm; Total weight: 1.5kg. Diameter of connections: 1.5 inches.



- B0666** **Resistance for boiler 3 kW**
Copper immersion electric heating element, with an internal adjustable thermostat and a temperature limiter. Supply voltage 230V. IP 65. Length: 390mm; Total weight: 1.5kg. Diameter of connections: 1.5 inches.



- B0617** **Resistance flange kit**
Required accessory for correct positioning of the electric heating elements when used for anti-Legionnaires disease cycles.

Services

- AV001** **Heat pump startup**
Optional service for packaged heat pumps that allows free activation of extended warranty to 3 years.

- AV002** **Heat pump startup**
Mandatory service for split heat pumps that allows free activation of extended warranty to 3 years. Includes first site visit.