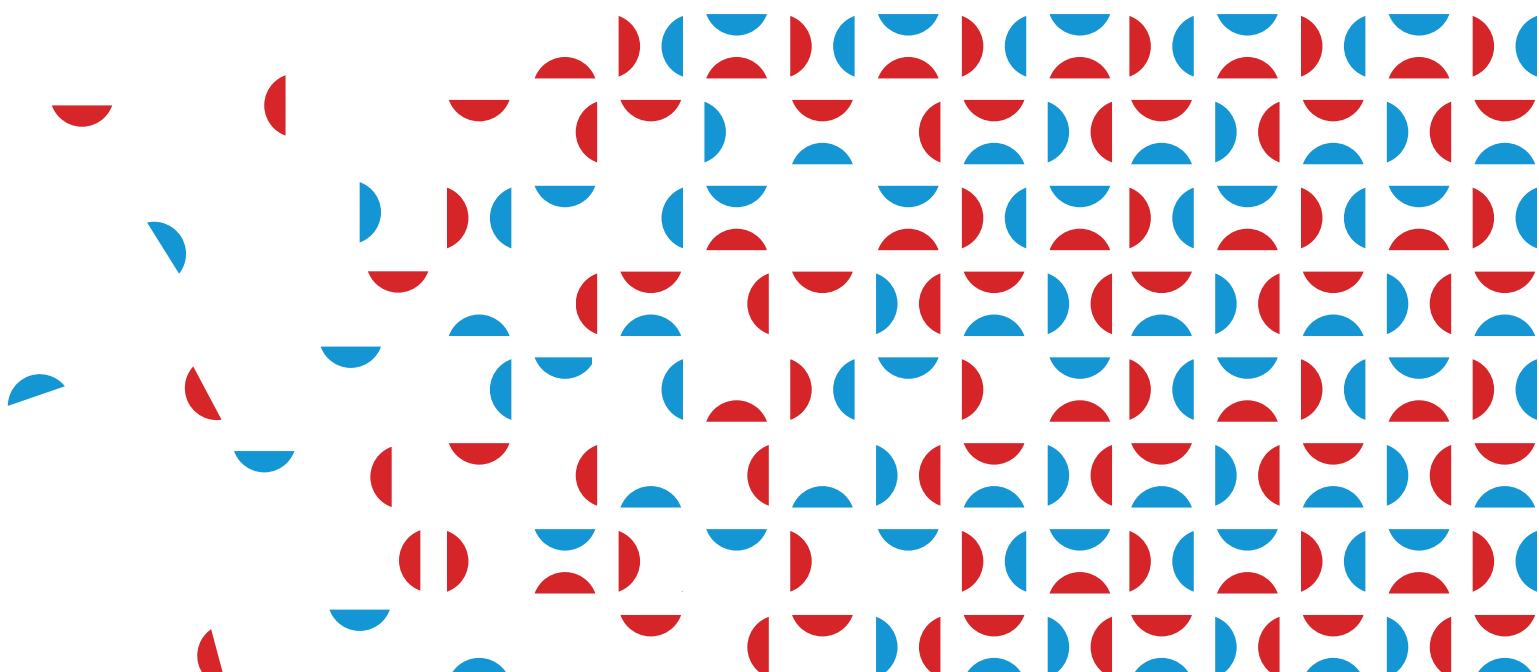


BUFFER TANKS

HEATING WATER

PUX/PUXW/PUXW-I



PUX / PUXW 1 / PUXW 2

Combined tanks for Heating and DHW

The PUX / PUXW 1 / PUXW 2 range consists of inertia tanks for systems using discontinuous energy sources such as solar, biomass, wood-fired systems, etc. Thanks to the large-surface stainless steel corrugated pipe-type internal exchanger, instantaneous domestic hot water production is guaranteed. The range consists of tanks available with different capacities, from 500 to 2000 litres and in three different versions:

PUX: equipped with 1 fixed internal coil, of the corrugated stainless steel pipe type for the production of instantaneous domestic hot water.

PUXW 1: equipped with 2 fixed internal coils, one in corrugated stainless steel pipe for the production of instantaneous domestic hot water, the other in carbon steel used for connection to an additional heat source.

PUXW 2: equipped with no. 3 fixed internal coils, one in corrugated stainless steel pipe for the production of instantaneous domestic hot water and two in carbon steel for connection to as many supplementary heat sources.

Material

Inertial tanks are made of high quality material, in particular:

Sanitary coil: AISI 316L stainless steel

Integration tank and coils: carbon steel S 235 JR

External protective treatment: painting with industrial enamel

Insulation

Capacity (L)	Type
500	High-density rigid polyurethane foam
from 600 to 2000	Polyester Fibre

Limits of use

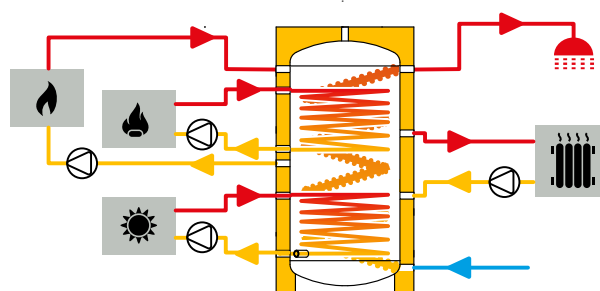
Accumulation Side		Serpentine circuit S1- S2-S3	
Max. temperature	Max. pressure	Max. temperature	Max. pressure
95°C	3 bar	110°C	10 bar

 **Standard accessories:** see page 208

 **Special executions:** see page 210



TESTED

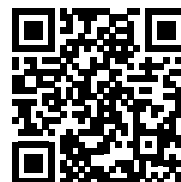


PUX / PUXW 1 / PUXW 2

Combined tanks for Heating and DHW

PUX

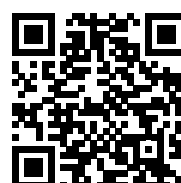
Capacity L				With vertical packaging	
	Code	Price	Class energy	Dimensions cm	Weight kg
500	342020184X	1.859,00 €		100X100X178	125
600	342020185X	2.062,00 €		100X100X185	135
750	342020186X	2.366,00 €		100X100X191	160
1000	342020187X	2.603,00 €		100X100X224	190
1250	342020188X	3.120,00 €		120X120X221	225
1500	342020189X	3.637,00 €		120X120X235	250
2000	342020190X	4.226,00 €		140X140X257	350



PRICES
PUX

PUXW 1

Capacity L				With vertical packaging	
	Code	Price	Class energy	Dimensions cm	Weight kg
500	342020191X	2.188,00 €		100X100X178	150
600	342020192X	2.382,00 €		100X100X185	165
750	342020193X	2.750,00 €		100X100X191	190
1000	342020194X	3.106,00 €		100X100X224	230
1250	342020195X	3.548,00 €		120X120X221	265
1500	342020196X	4.140,00 €		120X120X235	300
2000	342020197X	4.731,00 €		140X140X257	410



PRICES
PUXW1

PUXW 2

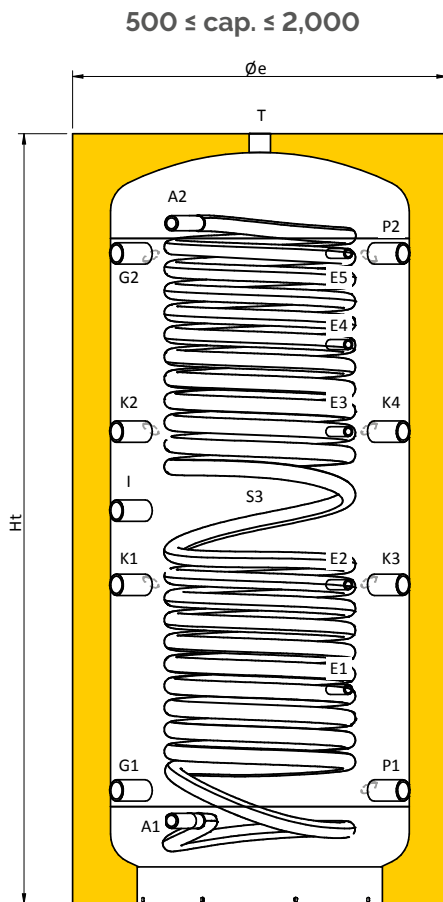
Capacity L				With vertical packaging	
	Code	Price	Class energy	Dimensions cm	Weight kg
500	342020198X	2.484,00 €		100X100X178	165
600	342020199X	2.691,00 €		100X100X185	180
750	342020200X	3.106,00 €		100X100X191	215
1000	342020201X	3.548,00 €		100X100X224	265
1250	342020202X	3.992,00 €		120X120X221	295
1500	342020203X	4.583,00 €		120X120X235	335
2000	342020204X	5.174,00 €		140X140X257	455



PRICES
PUXW2

PUX

Dimensions



Legend bindings

A1	Domestic water inlet
A2	Domestic water outlet
E1	Probe/Thermometer
E2	Probe/Thermometer
E3	Probe/Thermometer
E4	Probe/Thermometer
E5	Probe/Thermometer
G1	Input from plant
G2	Output to plant
I	Electrical Resistance
K1	Auxiliary
K2	Auxiliary
K3	Auxiliary
K4	Auxiliary
P1	Output to energy source
P2	Input from energy source
S3	Domestic water coil
T	Venting

Connection table

Cap. L	A1 inches	A2 inches	E1 inches	E2 inches	E3 inches	E4 inches	E5 inches	G1 inches	G2 inches	I inches	K1 inches	K2 inches	K3 inches	K4 inches	P1 inches	P2 inches	T inches
500	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
600	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
750	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
1000	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
1250	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
1500	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
2000	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"

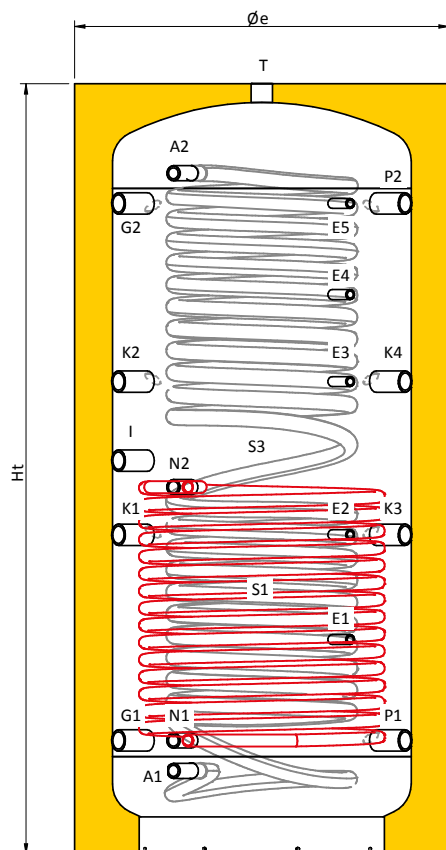
Size table

Cap. L	Øe mm	Ht mm	R* mm	A1 mm	A2 mm	E1 mm	E2 mm	E3 mm	E4 mm	E5 mm	G1 mm	G2 mm	I mm	K1 mm	K2 mm	K3 mm	K4 mm	P1 mm	P2 mm	S3 m ²
500	750	1630	1795	135	1455	420	650	970	1190	1380	210	1380	820	650	970	650	970	210	1380	4
600	900	1700	1925	150	1470	405	595	995	1215	1395	225	1395	805	595	995	595	995	225	1395	4
750	990	1760	2020	180	1500	440	625	1025	1225	1425	255	1425	865	625	1025	625	1025	255	1425	6
1000	990	2090	2315	220	1800	570	845	1250	1480	1720	300	1720	1040	845	1250	845	1250	300	1720	7.5
1250	1150	2060	2360	210	1790	550	785	1240	1470	1700	300	1700	1085	785	1240	785	1240	300	1700	7.5
1500	1200	2200	2510	260	1840	610	900	1285	1525	1750	350	1750	1130	900	1285	900	1285	350	1750	10
2000	1350	2420	2750	235	2115	645	960	1490	1780	2025	325	2025	1215	960	1490	960	1490	325	2025	10

R*: Tipping height

PUXW 1

Dimensions

 $500 \leq \text{cap.} \leq 2,000$


Legend bindings

A1	Domestic water inlet
A2	Domestic water outlet
E1	Probe/Thermometer
E2	Probe/Thermometer
E3	Probe/Thermometer
E4	Probe/Thermometer
E5	Probe/Thermometer
G1	Input from plant
G2	Output to plant
I	Electrical Resistance
K1	Auxiliary
K2	Auxiliary
K3	Auxiliary
K4	Auxiliary
N1	Lower exchanger outlet
N2	Lower exchanger inlet
P1	Output to energy source
P2	Input from energy source
S1	Lower Serpentine
S3	Domestic water coil
T	Venting

Connection table

Cap. L	A1 inches	A2 inches	E1 inches	E2 inches	E3 inches	E4 inches	E5 inches	G1 inches	G2 inches	I inches	K1 inches	K2 inches	K3 inches	K4 inches	N1 inches	N2 inches	P1 inches	P2 inches	T inches
500	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"
600	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"
750	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"
1000	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"
1250	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"
1500	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"
2000	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1 1/2"	1 1/2"	1 1/2"

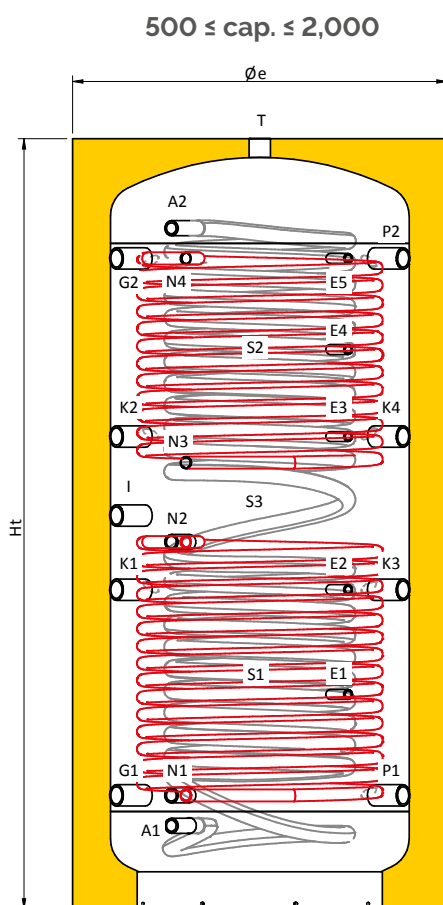
Size table

Cap. L	Øe mm	Ht mm	R* mm	A1 mm	A2 mm	E1 mm	E2 mm	E3 mm	E4 mm	E5 mm	G1 mm	G2 mm	I mm	K1 mm	K2 mm	K3 mm	K4 mm	N1 mm	N2 mm	P1 mm	P2 mm	S1 m²	S3 m²
500	750	1630	1795	135	1455	420	650	970	1190	1380	210	1380	820	650	970	650	970	210	720	210	1380	1,8	4
600	900	1700	1925	150	1470	405	595	995	1215	1395	225	1395	805	595	995	595	995	225	725	225	1395	1,8	4
750	990	1760	2020	180	1500	440	625	1025	1225	1425	255	1425	865	625	1025	625	1025	255	800	255	1425	2,4	6
1000	990	2090	2315	220	1800	570	845	1250	1480	1720	300	1720	1040	845	1250	845	1250	300	970	300	1720	3	7,5
1250	1150	2060	2360	210	1790	550	785	1240	1470	1700	300	1700	1085	785	1240	785	1240	300	970	300	1700	3	7,5
1500	1200	2200	2510	260	1840	610	900	1285	1525	1750	350	1750	1130	900	1285	900	1285	350	1000	350	1750	3,6	10
2000	1350	2420	2750	235	2115	645	960	1490	1780	2025	325	2025	1215	960	1490	960	1490	325	1105	325	2025	4,2	10

R*: Tipping height

PUXW 2

Dimensions



Legend bindings

A1	Domestic water inlet
A2	Domestic water outlet
E1	Probe/Thermometer
E2	Probe/Thermometer
E3	Probe/Thermometer
E4	Probe/Thermometer
E5	Probe/Thermometer
G1	Input from plant
G2	Output to plant
I	Electrical Resistance
K1	Auxiliary
K2	Auxiliary
K3	Auxiliary
K4	Auxiliary
N1	Lower exchanger outlet
N2	Lower exchanger inlet
N3	Upper exchanger outlet
N4	Upper exchanger inlet
P1	Output to energy source
P2	Input from energy source
S1	Lower Serpentine
S2	Upper Serpentine
S3	Domestic water coil
T	Venting

Connection table

Cap. L	A1 inches	A2 inches	E1 inches	E2 inches	E3 inches	E4 inches	E5 inches	G1 inches	G2 inches	I inches	K1 inches	K2 inches	K3 inches	K4 inches	N1 inches	N2 inches	N3 inches	N4 inches	P1 inches	P2 inches	T inches
500	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"
600	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"
750	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"
1000	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"
1250	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"
1500	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"
2000	1" M	1" M	1/2"	1/2"	1/2"	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1"	1"	1"	1"	1 1/2"	1 1/2"	1 1/2"

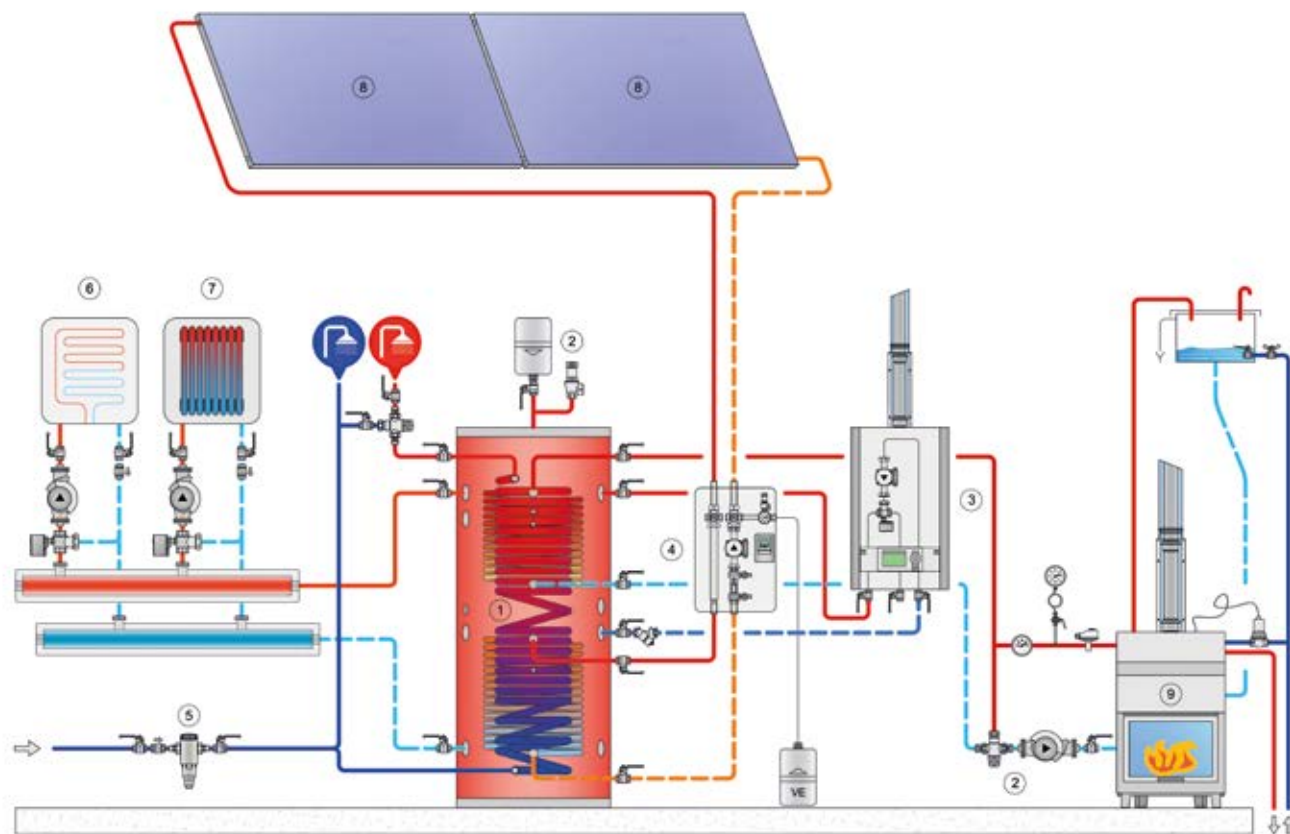
Size table

Cap. L	Øe mm	Ht mm	R* mm	A1 mm	A2 mm	E1 mm	E2 mm	E3 mm	E4 mm	E5 mm	G1 mm	G2 mm	I mm	K1 mm	K2 mm	K3 mm	K4 mm	N1 mm	N2 mm	N3 mm	N4 mm	P1 mm	P2 mm	S1 m²	S2 m²	S3 m²
500	750	1630	1795	135	1455	420	650	970	1190	1380	210	1380	820	650	970	650	970	210	720	980	1380	210	1380	1.8	1.2	4
600	900	1700	1925	150	1470	405	595	995	1215	1395	225	1395	805	595	995	595	995	225	725	995	1345	225	1395	1.8	1.2	4
750	990	1760	2020	180	1500	440	625	1025	1225	1425	255	1425	865	625	1025	625	1025	255	800	1025	1385	255	1425	2.4	1.8	6
1000	990	2090	2315	220	1800	570	845	1250	1480	1720	300	1720	1040	845	1250	845	1250	300	970	1180	1720	300	1720	3	2.4	7.5
1250	1150	2060	2360	210	1790	550	785	1240	1470	1700	300	1700	1085	785	1240	785	1240	300	970	1160	1700	300	1700	3	2.4	7.5
1500	1200	2200	2510	260	1840	610	900	1285	1525	1750	350	1750	1130	900	1285	900	1285	350	1000	1240	1750	350	1750	3.6	2.4	10
2000	1350	2420	2750	235	2115	645	960	1490	1780	2025	325	2025	1215	960	1490	960	1490	325	1105	1475	2025	325	2025	4.2	3	10

R*: Tipping height

PUX

Installation Diagram

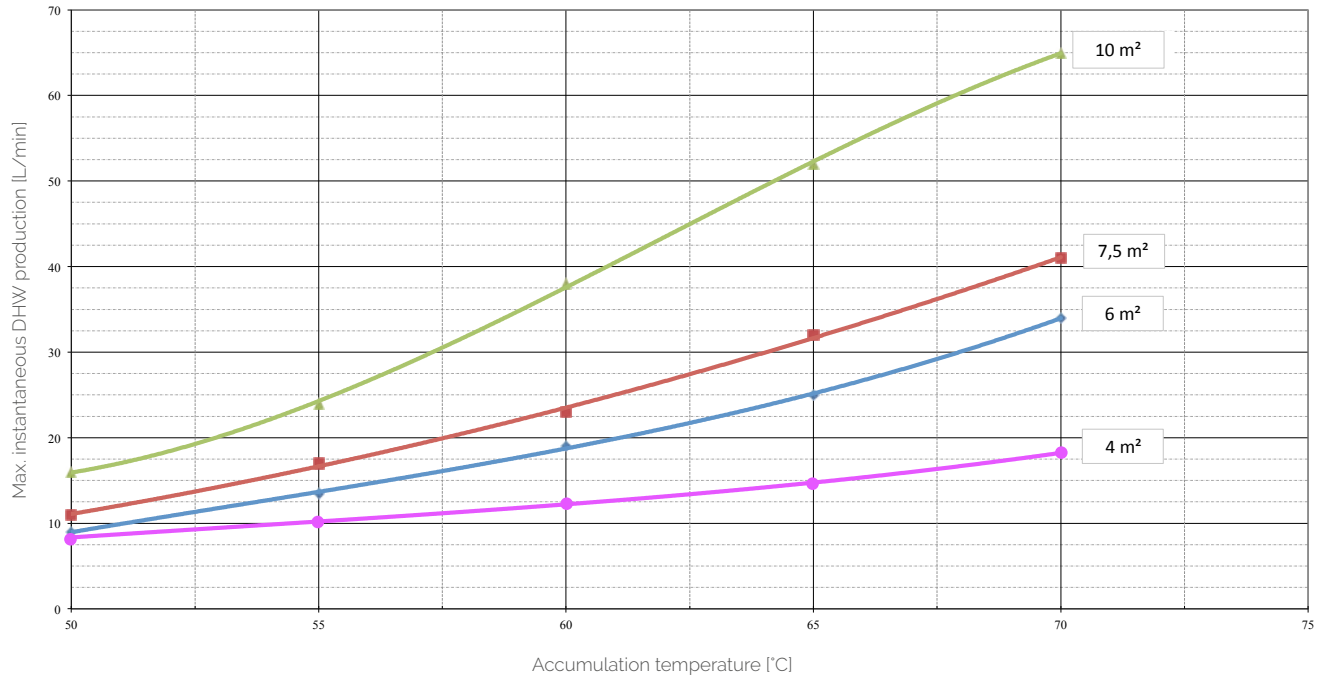


List of components

1. HEIZERSILE PUXW 2 puffer
2. Safety group
3. Sile MG3V condensate boiler
4. Solar thermal return unit
5. Bacteriostatic cold water filter
6. Heating circuit 1
7. Heating circuit 2
8. HEIZERSILE solar collectors
9. Open vessel boiler or fireplace

PUX Performance

Domestic water exchanger performance

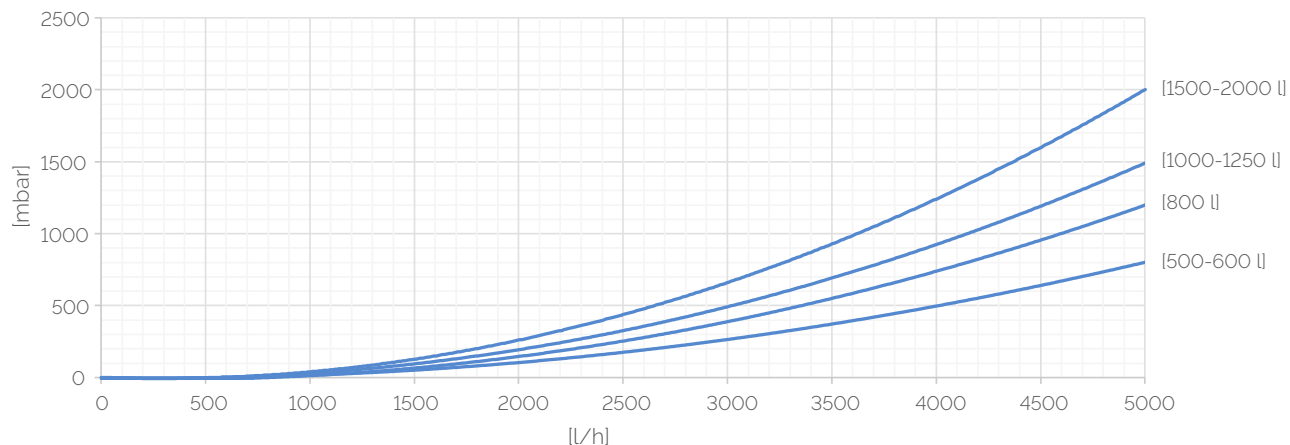


The graph shows the maximum instantaneous DHW production (10-45°C) via the stainless steel coil as a function of storage tank temperature

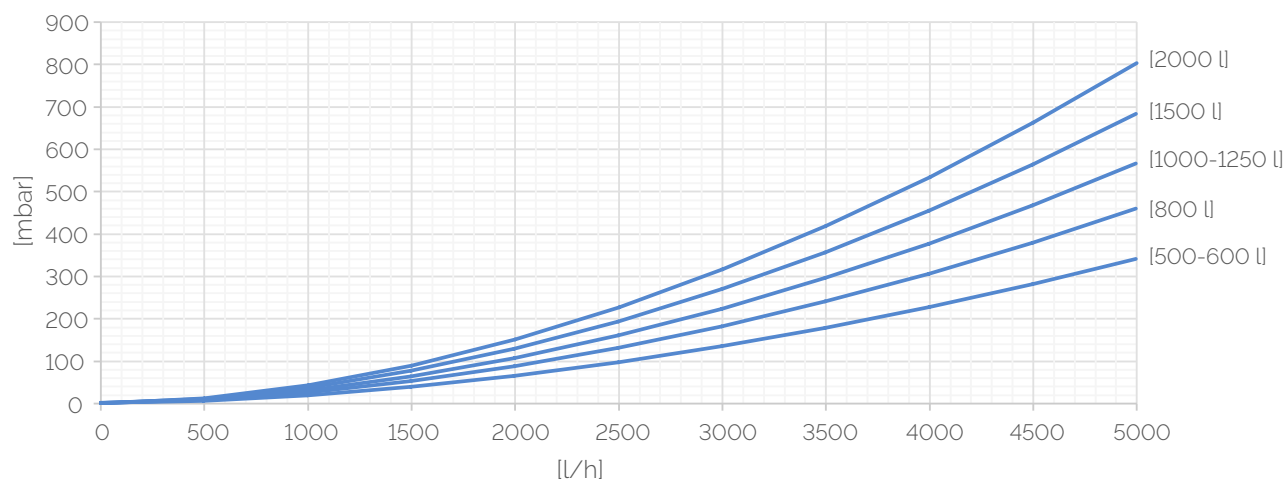
PUX

Load losses

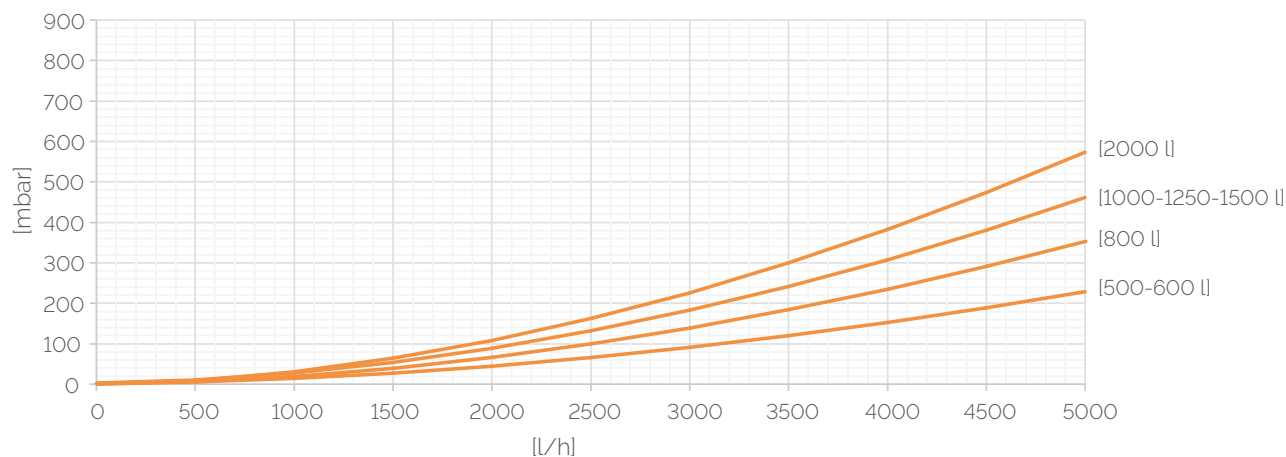
Domestic water heat exchanger pressure losses



Pressure drop in lower exchanger technical water



Pressure losses upper exchanger technical water



Wenkel S.r.l

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Subject to control and coordination by Fiorini Industries S.r.l.

