

MXW - Maxiwarm combined thermal accumulator



Thermal accumulator for the storage of heating water produced from continuous or discontinuous heat sources; instant production of Sanitary Hot Water by means of a AISI 316L stainless steel high efficiency corrugated heat exchanger.

Available in:

- only accumulation
- accumulation + primary fixed coil heat exchanger
- accumulation + two fixed coil primary heat exchangers



TECHNICAL CHARACTERISTICS

Sanitary	Material:	Inox AISI 316L (1.4404)
	Internal protective processing:	Pickling and passivation
	External protective processing:	Pickling and passivation
	Typology:	Corrugated fixed tube with high exchange surface
	Power (P max. / T max.):	6 bar / 95°C
Puffer	Material:	S 235 Jr
	Internal protective processing:	Rough
	External protective processing:	Painting with anti rust and industrial gaze
	Power (P max. / T max.):	3 bar / 95°C
Upper exchanger (boiler)	Material:	S 235 Jr
	Internal protective processing:	Rough
	External protective processing:	Rough
Lower exchanger (solar)	Typology:	Fixed spiral coil
	Power (P max. / T max.):	12 bar / 95°C
General characteristics	Capacity:	600 - 2000 Lt
	Warranty:	5 years
	Insulation:	- Rigid Polyurethane + pvc: <i>Fire resistance class B3 (DIN 4102)</i> - Flexible Polyestere + pvc: <i>Fire resistance class B2 (DIN 4102)</i>
	Reference legislation:	- PED 97/23/CE Art. 3 Par. 3 (pressurised equipment) - M.D. of 6th April 2004 N.174 (Suitability of materials in contact with SHW)

FITTINGS (pag. 156)



Electronic control unit



Electrical resistance attack on 1 1/2



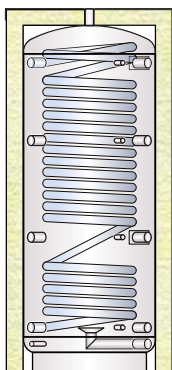
Thermostate



Thermometer

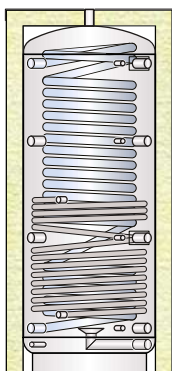


Sanitary recirculation kit



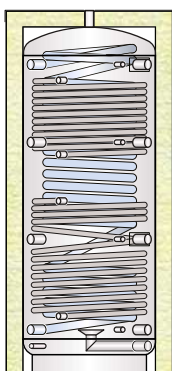
MX0W - Maxiwarm combined thermal accumulator without coil

Capacity	Flexible Polyester insulation thick. 100 mm + pvc		Rigid Polyurethane insulation + pvc		
Lt	Code	€	Code	Th. (mm)	€
600	-	-	MX0W 00600 R	50	1715,00
800	MX0W 00800 F	1775,00	MX0W 00800 R	100	1919,00
1000	MX0W 01000 F	2026,00	MX0W 01000 R	100	2200,00
1250	MX0W 01250 F	2714,00	MX0W 01250 R	85	3012,00
1500	MX0W 01500 F	3050,00	MX0W 01500 R	100	3341,00
2000	MX0W 02000 F	3574,00	MX0W 02000 R	70	3855,00



MX1W - Maxiwarm combined thermal accumulator with a coil

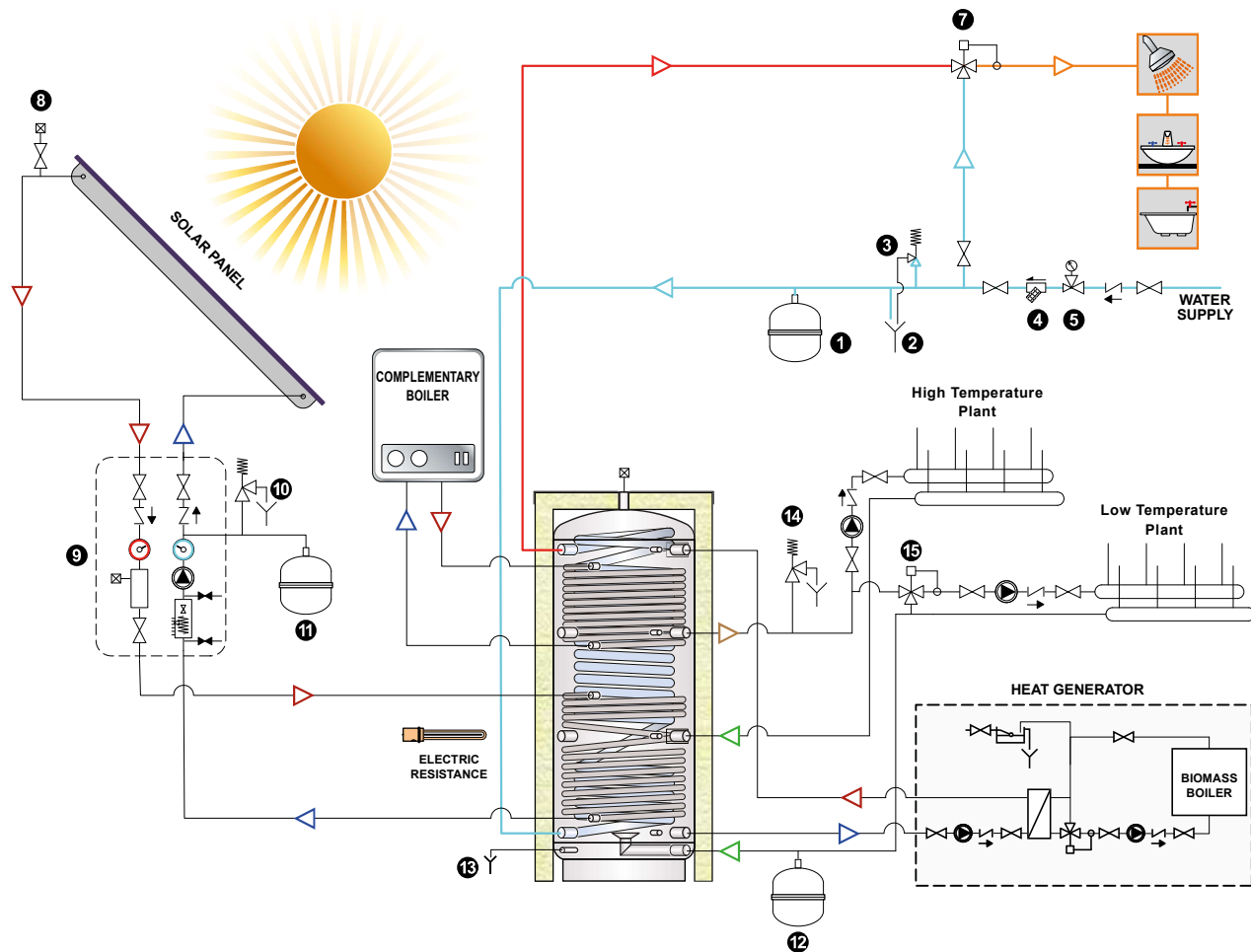
Capacity	Flexible Polyester insulation thick. 100 mm + pvc		Rigid Polyurethane insulation + pvc		
Lt	Code	€	Code	Th. (mm)	€
600	-	-	MX1W 00600 R	50	1820,00
800	MX1W 00800 F	2018,00	MX1W 00800 R	100	2161,00
1000	MX1W 01000 F	2241,00	MX1W 01000 R	100	2410,00
1250	MX1W 01250 F	2885,00	MX1W 01250 R	85	3166,00
1500	MX1W 01500 F	3205,00	MX1W 01500 R	100	3480,00
2000	MX1W 02000 F	3734,00	MX1W 02000 R	70	3998,00



MX2W - Maxiwarm combined thermal accumulator with two coils

Capacity	Flexible Polyester insulation thick. 100 mm + pvc		Rigid Polyurethane insulation + pvc		
Lt	Code	€	Code	Th. (mm)	€
600	-	-	MX2W 00600 R	50	1929,00
800	MX2W 00800 F	2147,00	MX2W 00800 R	100	2289,00
1000	MX2W 01000 F	2457,00	MX2W 01000 R	100	2624,00
1250	MX2W 01250 F	2980,00	MX2W 01250 R	85	3244,00
1500	MX2W 01500 F	3253,00	MX2W 01500 R	100	3510,00
2000	MX2W 02000 F	4105,00	MX2W 02000 R	70	4369,00

Caution: Indicative schematic diagram, not substitutive for project work.



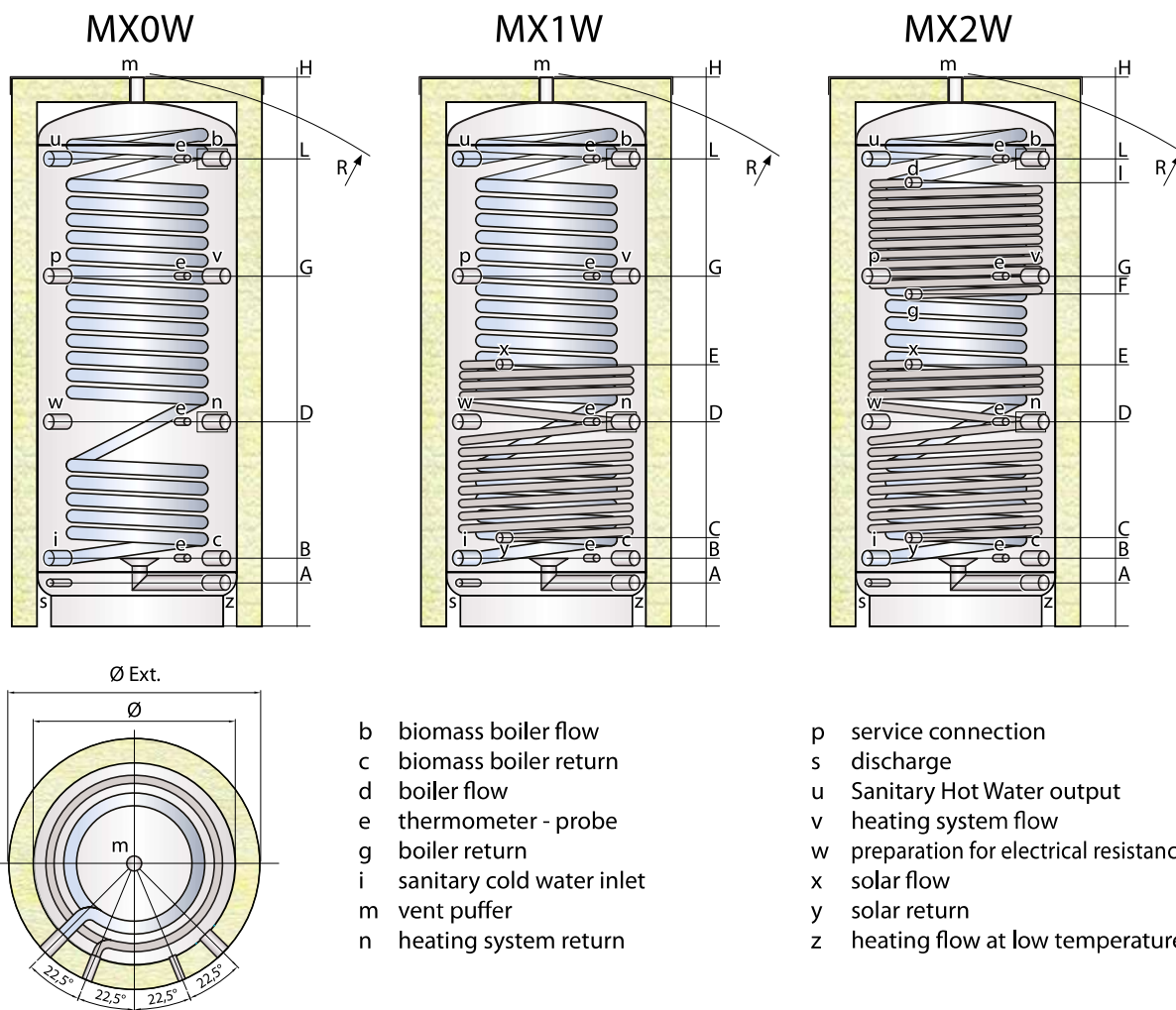
LEGEND

- | | | |
|----------------------------------|-------------------------------------|---------------------------------------|
| 1. Sanitary expansion vessel | 6. Sanitary recirculation pump | 11. Solar expansion vessel |
| 2. Sanitary drain | 7. Sanitary mixing valve | 12. Heating system expansion tank |
| 3. Sanitary safety valve (6 bar) | 8. Vent with shut-off | 13. Discharge system |
| 4. Dirt filter | 9. Solar power managing module | 14. Heating system safety valve |
| 5. Pressure reducer | 10. Solar power safety unit (6 bar) | 15. Mixing for low-temperature system |

Capacity (Lt)	sanitary exchanger				heat loss ** (kWh/24h)	
	Sq.m (Lt)	Power * (kW)	Flow in continuous SHW * (Lt/h)	Efficiency coefficient (DIN 4708) NL*	rigid PU	flex PL
600	5,5 (27,5)	46,8	1149	2,8	2,7	-
800	7,0 (35,0)	67,2	1651	3,5	2,0	4,4
1000	7,5 (37,5)	74,3	1824	4,0	2,6	4,9
1250	8,5 (42,5)	86,7	2130	6,8	3,2	5,8
1500	10 (50,0)	108,0	2654	9,2	3,3	6,1
2000	12 (60,0)	134,4	3302	10,8	4,4	7,1

* Puffer average temperature: 65° C - Temperature sanitary inlet: 10° C – sanitary outlet temperature: 45° C

** Heat loss calculated by considering the difference between accumulation and temperature environment of 45° C - (rigid polyurethane: average density 42 kg/m³ - λ = 0,023 W/mK • flexible polyester: average density 12 kg/m³ - λ = 0,044 W/mK)



Capacity (Lt)	Dimensions (mm)				Exchanger (Sq.m)			Weight MX2W (Kg)
	Ø	H	Ø Ext. **	R	Lower	Upper	Sanitary Inox	
600	650	1880	750	2040*	2,50	1,80	5,50	175
800	790	1735	990	1800	2,50	2,00	7,00	212
1000	790	2080	990	2140	3,50	2,50	7,50	253
1250	950	2075	1150	2150	3,80	2,60	8,50	289
1500	1000	2115	1200	2190	4,00	2,80	10,00	316
2000	1100	2350	1300	2430	4,80	3,80	12,00	371

* For the version from 600 Lt the diagonal of rollover it refers to the insulated tank

** All insulations are removable except model 600 Lt

Capacity (Lt)	Measures (mm)									Connections (gas)			
	A	B	C	D	E	F	G	I	L	d g x y s	e	iu	b c m n p v w z
600	135	235	315	700	1000	1120	1270	1480	1630	1"	1/2"	1"1/4	1"1/2
800	170	275	355	655	875	1015	1145	1345	1410	1"	1/2"	1"1/4	1"1/2
1000	170	275	350	810	1035	1195	1355	1675	1755	1"	1/2"	1"1/4	1"1/2
1250	215	320	400	745	1060	1200	1380	1600	1705	1"	1/2"	1"1/4	1"1/2
1500	235	340	420	765	1080	1220	1400	1620	1725	1"	1/2"	1"1/4	1"1/2
2000	265	370	450	930	1090	1230	1435	1710	1945	1"	1/2"	1"1/4	1"1/2