



MAXWOR

Focus on Excellence

PUMPS • SEALS • GASKETS • BLOWERS • EXPANSION JOINTS • HEAT EXCHANGERS
COOLING SYSTEMS • WATER HEATER TANKS • ACCUMULATION TANKS
BUFFER TANKS • EXPANSION TANKS • SEPERATORS

PRODUCT CATALOGUE
PRESSURE VESSELS



- ✓ Reliability
- ✓ Sustainability
- ✓ Productivity
- ✓ High Quality
- ✓ Strong Sales Network
- ✓ Service Networks



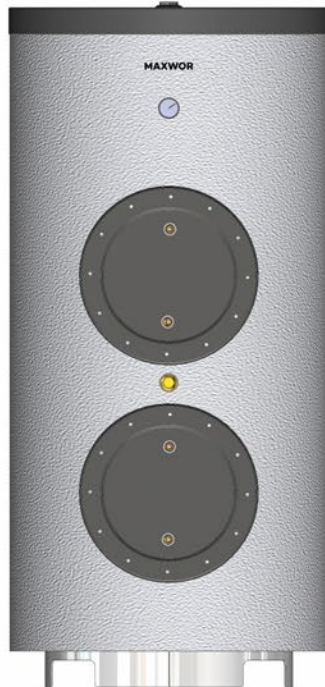
MAXWOR

Focus on Excellence

Maxwor Makina is the supplier needed by the leader companies in the sector with its engineering solutions and special products it produces.

Carry out in heating, cooling, transfer and storage of fluids; specializes in technology and process equipment manufacturing and offers sustainable solutions in these areas.

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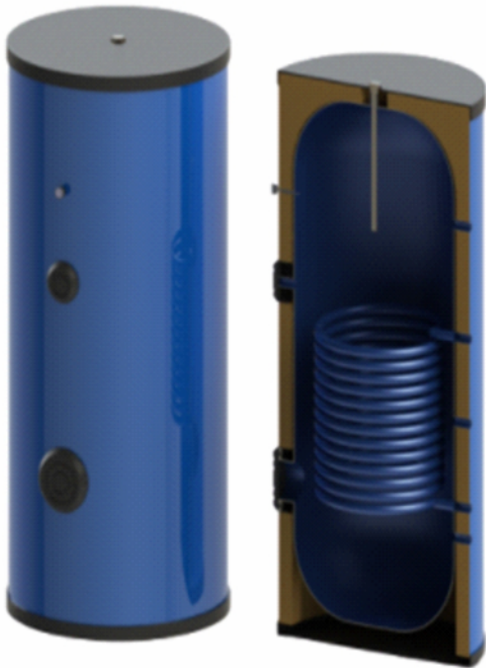


P R E S S U R E V E S S E L S

- ✓ SINGLE SERPENTINE WATER HEATER
- ✓ DOUBLE SERPENTINE WATER HEATER
- ✓ ELECTRICAL WATER HEATER
- ✓ ACCUMULATION TANK
- ✓ BUFFER TANK
- ✓ EXPANSION TANKS

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WATER HEATER TANKS

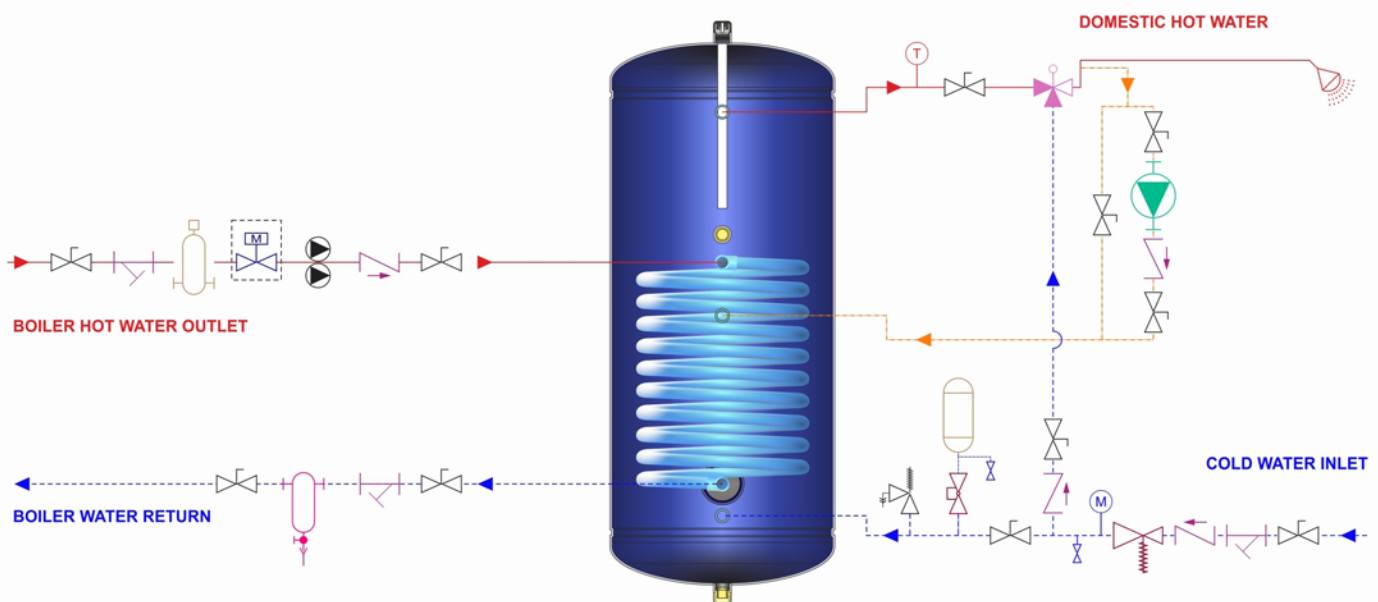


SINGLE SERPENTINE WATER HEATER

It provides both economical and hygienic domestic hot water supply with the heat energy it receives from a single heat source (steam boiler, hot water boiler, solar energy panels, geothermal energy, heat pump, etc.).

There are 2 inputs on it so that a thermometer and thermostat can be fitted.

- ✓ Capacity from 100 liters to 6000 liters
- ✓ Hygienic, due to the coating, Surfaces in contact with water are double enameled
- ✓ 50 mm thick polyurethane insulation from 100 liters to 600 liters, special sponge insulation from 800 liters to 6000 liters,
- ✓ Electrostatic powder painted cover on galvanized sheet from 100 liters to 600 liters,
- ✓ Special winlex cover from 800 liters to 6000 liters,
- ✓ Cathodic protection,
- ✓ High efficiency,
- ✓ Optionally, electrical resistance,
- ✓ Aesthetic appearance
- ✓ 10 bar operating pressure
- ✓ According to European standards (EN 12897)



Single Serpentine Water Heater Connection Diagram

MAX SINGLE SERPENTINE WATER HEATER

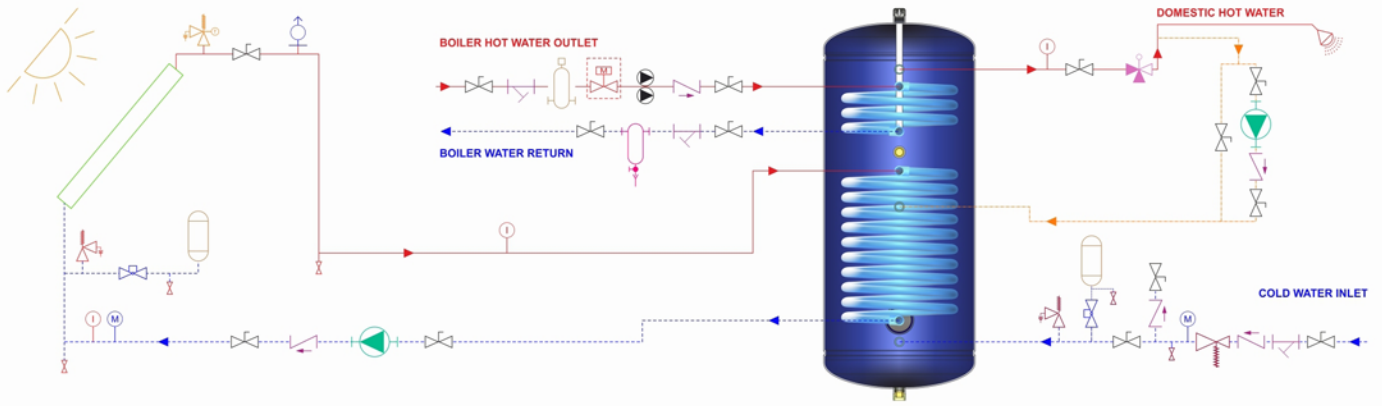
MODEL	CAPACITY LT	DIAMETER mm	HEIGHT mm	HEATER INLET-OUTLET	COLLECTOR INLET-OUTLET	COLD WATER INLET-OUTLET	CIRCULATION	SERPENTINE SURFACE	NET WEIGHT (Kg)
MAX100-1	100	485	1050	1"	1"	3/4"	3/4"	0,6	73
MAX160-1	160	585	1050	1 1/4"	1 1/4"	3/4"	3/4"	0,8	89
MAX200-1	200	585	1250	1 1/4"	1 1/4"	3/4"	3/4"	1,1	100
MAX350-1	350	750	1270	1 1/4"	1 1/4"	1"	1"	1,45	132
MAX500-1	500	750	1750	1 1/4"	1 1/4"	1"	1"	2,2	181
MAX600-1	600	750	1970	1 1/4"	1 1/4"	1"	1"	2,2	194
MAX800-1	800	900	2100	1 1/4"	1 1/4"	1 1/4"	1 1/4"	3,1	286
MAX1000-1	1000	1000	2130	1 1/4"	1 1/4"	1 1/4"	1 1/4"	3,1	352
MAX1500-1	1500	1120	2420	1 1/4"	1 1/4"	1 1/2"	1 1/2"	5	407
MAX2000-1	2000	1260	2450	1 1/4"	1 1/4"	1 1/2"	1 1/2"	5	537
MAX2500-1	2500	1460	2350	1 1/4"	1 1/4"	2"	2"	6,6	680
MAX3000-1	3000	1460	2750	1 1/4"	1 1/4"	2"	2"	7	810
MAX4000-1	4000	1660	2480	2"	2"	2 1/2"	2"	8,5	1190
MAX5000-1	5000	1660	2980	2"	2"	2 1/2"	2"	10	1370
MAX6000-1	6000	1660	3500	2"	2"	2 1/2"	2"	12	1545

DOUBLE SERPENTINE WATER HEATER

Double serpentine water heater are used where there are two heat sources (solar energy, boiler etc.). It is connected to the solar energy collector and the boiler. Heating is primarily carried out by solar energy collector, in cases where the temperature does not reach the set level, the boiler line is automatically activated. There are 2 inputs on it so that a thermometer and thermostat can be fitted.



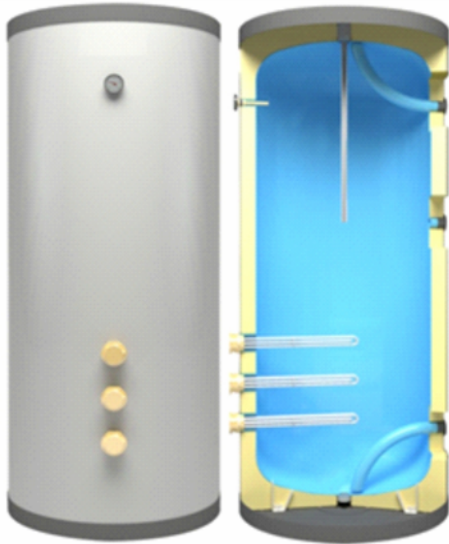
- ✓ Capacity from 100 liters to 6000 liters
- ✓ Hygienic, due to the coating, Surfaces in contact with water are double enameled
- ✓ 50 mm thick polyurethane insulation from 100 liters to 600 liters, special sponge insulation from 800 liters to 6000 liters,
- ✓ Electrostatic powder painted cover on galvanized sheet from 100 liters to 600 liters,
- ✓ Special winlex cover from 800 liters to 6000 liters,
- ✓ Cathodic protection,
- ✓ High efficiency,
- ✓ Optionally, electrical resistance,
- ✓ Aesthetic appearance
- ✓ 10 bar operating pressure
- ✓ According to European standards (EN 12897)



Double Serpentine Water Heater Connection Diagram

MAX DOUBLE SERPENTINE WATER HEATER										
MODEL	CAPACITY LT	DIAMETER mm	HEIGHT mm	HEATER INLET-OUTLET	COLLECTOR INLET-OUTLET	COLD WATER INLET-OUTLET	CIRCULATION	SERPENTINE SURFACE		NET WEIGHT (Kg)
								BOTTOM	TOP	
MAX160-2	160	585	1050	1 1/4"	1 1/4"	3/4"	3/4"	0,75	0,59	102
MAX200-2	200	585	1250	1 1/4"	1 1/4"	3/4"	3/4"	0,8	0,74	114
MAX350-2	350	750	1270	1 1/4"	1 1/4"	1"	1"	1,2	1	143
MAX500-2	500	750	1750	1 1/4"	1 1/4"	1"	1"	2,2	1,39	198
MAX600-2	600	750	1970	1 1/4"	1 1/4"	1"	1"	2,2	1,39	227
MAX800-2	800	900	2100	1 1/4"	1 1/4"	1 1/4"	1 1/4"	3,1	1,54	330
MAX1000-2	1000	1000	2130	1 1/4"	1 1/4"	1 1/4"	1 1/4"	3,1	1,54	390
MAX1500-2	1500	1120	2420	1 1/4"	1 1/4"	1 1/2"	1 1/2"	5	2,18	447
MAX2000-2	2000	1260	2450	1 1/4"	1 1/4"	1 1/2"	1 1/2"	5	2,18	582
MAX2500-2	2500	1460	2350	1 1/4"	1 1/4"	2"	2"	6,6	3,03	765
MAX3000-2	3000	1460	2750	1 1/4"	1 1/4"	2"	2"	7	3,4	895
MAX4000-2	4000	1660	2480	2"	2"	2 1/2"	2"	8,5	4,25	1250
MAX5000-2	5000	1660	2980	2"	2"	2 1/2"	2"	10	5,01	1440
MAX6000-2	6000	1660	3500	2"	2"	2 1/2"	2"	12	6	1645





ELECTRICAL WATER HEATER

It is a type of water heater that works with electrical energy where there is no hot water source eg. heat pump, steam boiler, solar collector, hot water boiler etc.

Similar to serpentine heaters, enamel coating is used for hygien in electrical water heaters.

Electrical water heaters offer an effective and safe heating solution with fuse, safety, operating thermostat, switches and residual current relay in electrical panels.

- ✓ Capacity from 100 liters to 6000 liters
- ✓ Hygienic, due to the coating, Surfaces in contact with water are double enameled
50 mm thick polyurethane insulation from 100 liters to 600 liters, special sponge insulation from 800 liters to 6000 liters,
- ✓ Electrostatic powder painted cover on galvanized sheet from 100 liters to 600 liters, Special winlex cover from 800 liters to 6000 liters,
- ✓ Cathodic protection, ✓ High efficiency, ✓ Stainless resistances ✓ Aesthetic appearance
- ✓ 10 bar operating pressure

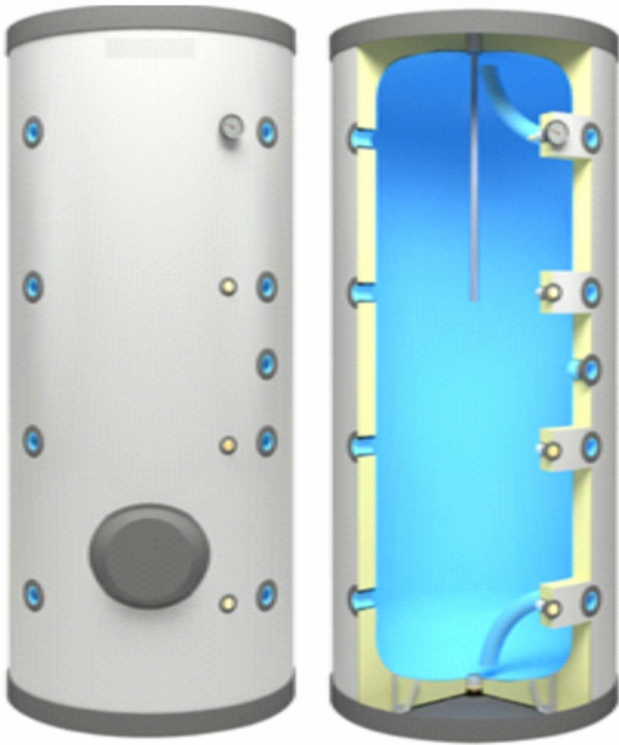
MAX ELECTRICAL WATER HEATER

MODEL	CAPACITY LT	DIAMETER mm	HEIGHT mm	COLD WATER INLET-OUTLET	HOT WATER INLET-OUTLET	CIRCULATION	NET WEIGHT (Kg)
MAX100-3	100	486	1100	3/4"	3/4"	3/4"	65
MAX160-3	160	586	1100	3/4"	3/4"	3/4"	74
MAX200-3	200	586	1300	3/4"	3/4"	3/4"	89
MAX350-3	350	756	1320	1"	1"	3/4"	156
MAX500-3	500	756	1770	1"	1"	3/4"	177
MAX600-3	600	756	2020	1"	1"	3/4"	194
MAX800-3	800	910	2150	1 1/4"	1 1/4"	1"	250
MAX1000-3	1000	1010	2180	1 1/4"	1 1/4"	1"	310
MAX1500-3	1500	1120	2470	1 1/2"	1 1/2"	1 1/4"	417
MAX2000-3	2000	1260	2500	1 1/2"	1 1/2"	1 1/4"	590
MAX2500-3	2500	1460	2350	2"	2"	1 1/2"	560
MAX3000-3	3000	1460	2700	2"	2"	1 1/2"	690
MAX4000-3	4000	1660	2480	2 1/2"	2 1/2"	2"	980
MAX5000-3	5000	1660	2980	2 1/2"	2 1/2"	2"	1140
MAX6000-3	6000	1660	3500	2 1/2"	2 1/2"	2"	1300

* Heater selection is made according to customer demand.

** The weight of the products varies according to the heater.

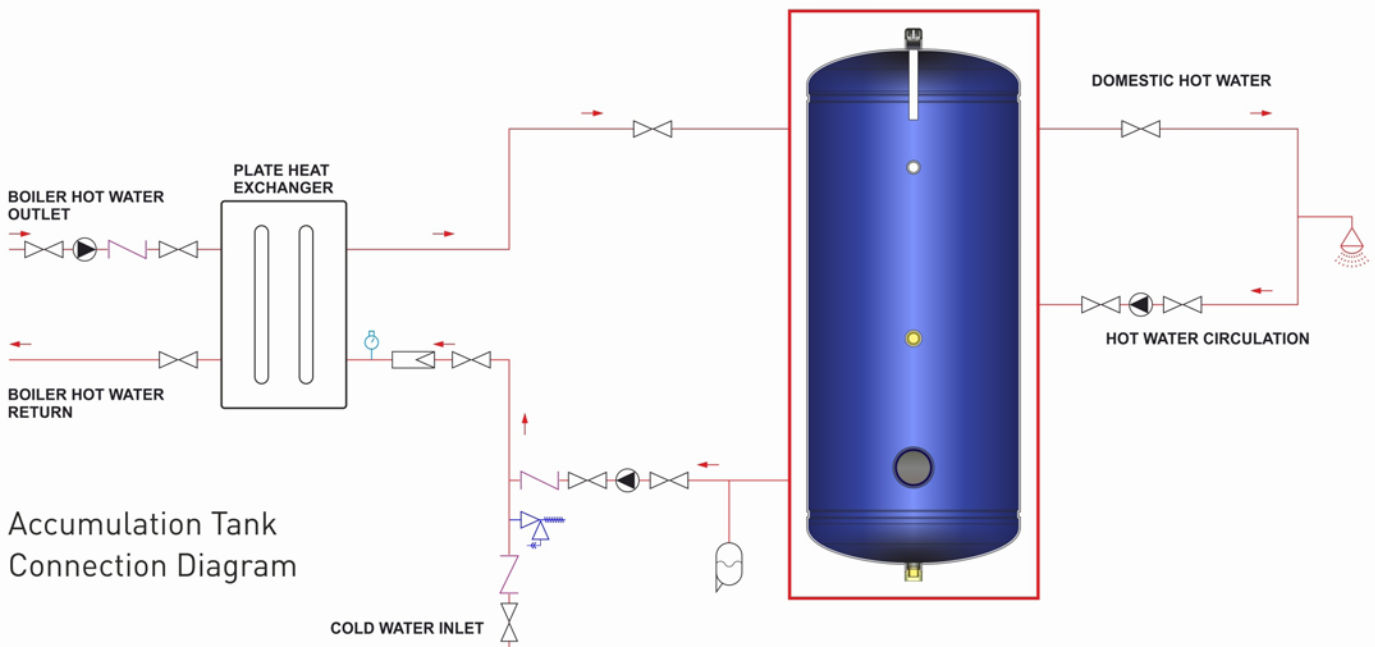
ACCUMULATION TANK



Accumulation tanks, is a system that provides storage by heating the water in the tank with heat from various sources such as heat pumps or solar systems. Especially for high hot water needs where serpentine water heaters remain low, the use of an accumulation tank is one of the best solutions.

Accumulation tanks are manufactured as enameled or hot dip galvanized. Accumulation tanks get the highest efficiency from all heat sources. It extends the life of heating resources, as well as lowering high savings and heating costs. Utilizing solar energy and storing hot water reduces energy costs, especially in places that need hot water such as hotels. For this reason, consumers who want to benefit from solar energy have the opportunity to store hot water at high capacity thanks to the accumulation tanks.

- ✓ Capacity from 100 liters to 6000 liters
- ✓ Hygienic, due to the coating, Surfaces in contact with water are double enameled
50 mm thick polyurethane insulation from 100 liters to 600 liters, special sponge insulation from 800 liters to 6000 liters,
- ✓ Electrostatic powder painted cover on galvanized sheet from 100 liters to 600 liters, Special winlex cover from 800 liters to 6000 liters,
- ✓ Cathodic protection, ✓ High efficiency, ✓ Optional electrical resistance,
- ✓ Aesthetic appearance
- ✓ 10 bar operating pressure



MAX ACCUMULATION TANK

MODEL	CAPACITY LT	DIAMETER mm	HEIGHT mm	COLD WATER INLET-OUTLET	CIRCULATION	NET WEIGHT (Kg)
MAX100-4	100	485	1050	1"	-	60
MAX160-4	160	585	1050	1 1/4"	-	70
MAX200-4	200	585	1250	1 1/4"	-	83
MAX350-4	350	750	1270	1 1/4"	-	110
MAX500-4	500	750	1750	1 1/4"	-	145
MAX600-4	600	750	1970	1 1/4"	-	160
MAX800-4	800	900	2100	1 1/2"	1 1/4"	235
MAX1000-4	1000	1000	2130	2"	1 1/2"	300
MAX1500-4	1500	1120	2420	2 1/2"	1 1/2"	350
MAX2000-4	2000	1260	2450	2 1/2"	1 1/2"	470
MAX2500-4	2500	1460	2350	3"	2"	540
MAX3000-4	3000	1460	2750	3"	2"	640
MAX4000-4	4000	1660	2480	3"	2"	950
MAX5000-4	5000	1660	2980	3"	2"	1100
MAX6000-4	6000	1660	3500	3"	2"	1250

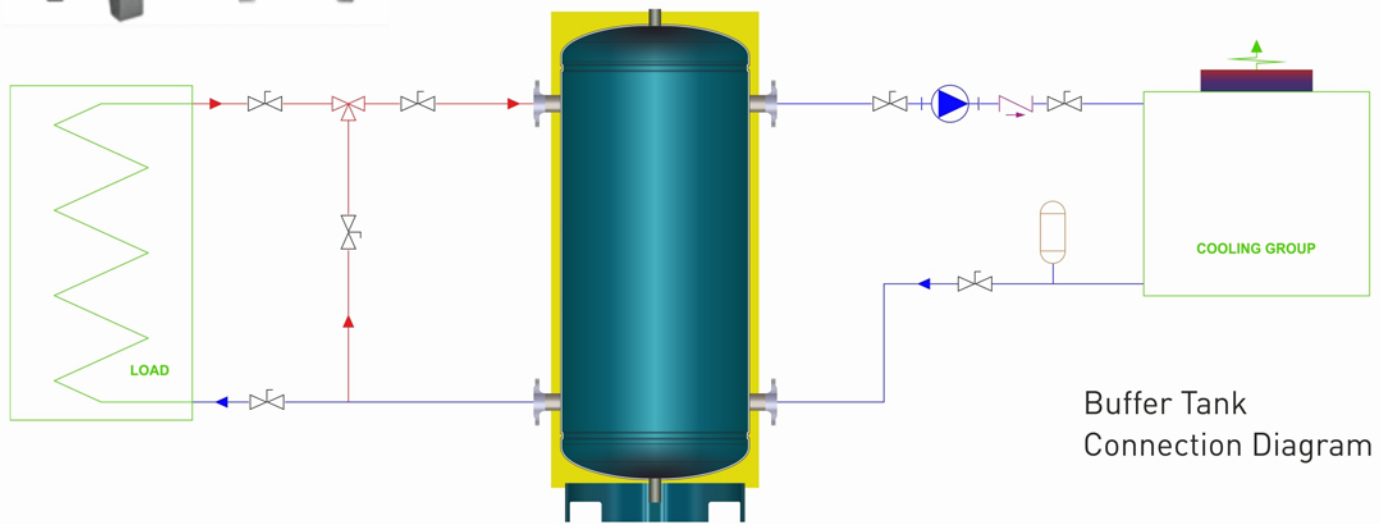


BUFFER TANK

Buffer tank, is a pool system that stores heat to increase energy efficiency. It is recommended to use buffer tanks in the assembly of heat pumps among renewable energy systems. When the water inside is heated to the desired temperature by the heat pump, the buffer tank stores the energy (hot water) like a battery and supplies it to the system when needed. Energy loss is at minimum level since high insulation is used in buffer tanks.



- ✓ Capacity from 100 liters to 6000 liters
- ✓ There is no internal coating, black sheet is applied.
- ✓ 50 mm thick polyurethane insulation from 100 liters to 600 liters, special sponge insulation from 800 liters to 6000 liters,
- ✓ Electrostatic powder painted cover on galvanized sheet from 100 liters to 600 liters, Special winlex cover from 800 liters to 6000 liters,
- ✓ High efficiency, ✓ Aesthetic appearance
- ✓ 10 bar operating pressure



MAX BUFFER TANKS							
MODEL	CAPACITY LT	DIAMETER mm	HEIGHT mm	PRIMER & SECONDER INLET OUTLET (" / DN)	DRAIN	AIR RELIEF	NET WEIGHT (Kg)
MAX100-5	100	490	1070	1 1/2"	1 1/4"	1 1/4"	50
MAX300-5	300	590	1840	2"	1 1/2"	1 1/4"	85
MAX500-5	500	750	1750	2 1/2"	1 1/2"	1 1/4"	140
MAX800-5	800	1010	1700	DN 80	2"	1 1/4"	370
MAX1000-5	1000	1010	2050	DN 100	2"	1 1/4"	470
MAX1500-5	1500	1120	2300	DN 125	2"	1 1/4"	750
MAX2000-5	2000	1260	2350	DN 125	2"	1 1/4"	850
MAX2500-5	2500	1460	2170	DN 150	2 1/2"	1 1/4"	1200
MAX3000-5	3000	1460	2510	DN 150	2 1/2"	1 1/4"	1260
MAX4000-5	4000	1710	2500	DN 200	2 1/2"	1 1/4"	1775
MAX5000-5	5000	1710	3000	DN 200	2 1/2"	1 1/4"	1895



EXPANSION
TANKS

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EXPANSION TANKS (VESSELS)

Expansion tanks used to balance the water volume in central heating and cooling systems due to the temperature changes of the water. Maxwor Expansion Tanks can be produced in three different pressure classes as 10, 16 and 25 bar.

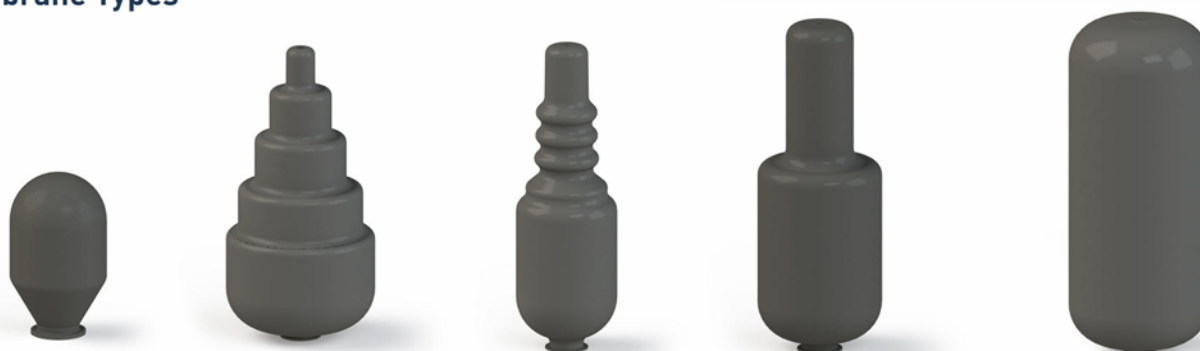
- ✓ Our expansion tanks are suitable for use in drinking and utility water systems.
- ✓ It can be used in central heating and cooling systems.
- ✓ Replaceable EPDM or BUTYL membrane
- ✓ Standard colour is red but the colours can be changed with customer requests.
- ✓ Specially manufactured AISI304, AISI316 tanks between 24LT-5000LT for food systems

10 BAR CLOSED EXPANSION VESSELS without FOOTLESS

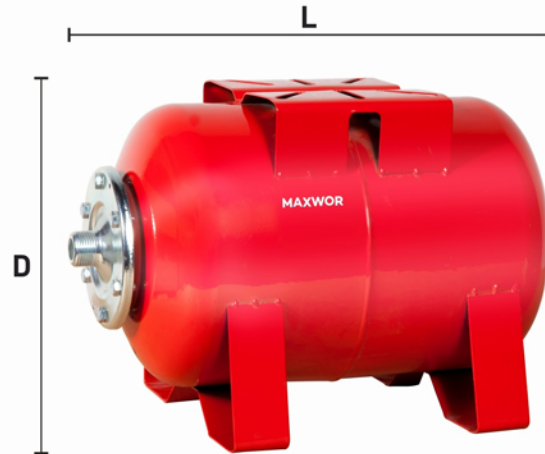


MODEL	VOLUME (LT)	PRE-CHARGE PRESSURE	CONNECTION	DIMENSIONS (MM)		MEMBRANE
				Height (H)	Diameter (D)	
MG 10 V	8	2	1"	320	220	EPDM
MG 10 V	12	2	1"	380	220	EPDM
MG 10 V	19	2	1"	430	280	EPDM
MG 10 V	24	2	1"	470	280	EPDM
MG 10 V	24 Sphere	2	1"	325	360	EPDM
MG 10 V	35	2	1"	470	380	EPDM
MG 10 V	50	4	1"	560	380	EPDM

Membrane Types



10 BAR HORIZONTAL CLOSED EXPANSION VESSELS



MODEL	VOLUME (LT)	PRE-CHARGE PRESSURE	CONNECTION	DIMENSIONS (MM)		MEMBRANE
				Height (L)	Diameter (D)	
MG 10 H	24	2	1"	470	280	EPDM
MG 10 H	50	4	1"	620	380	EPDM
MG 10 H	60	4	1"	670	380	EPDM
MG 10 H	80	4	1"	720	430	EPDM
MG 10 H	100	4	1"	800	460	EPDM

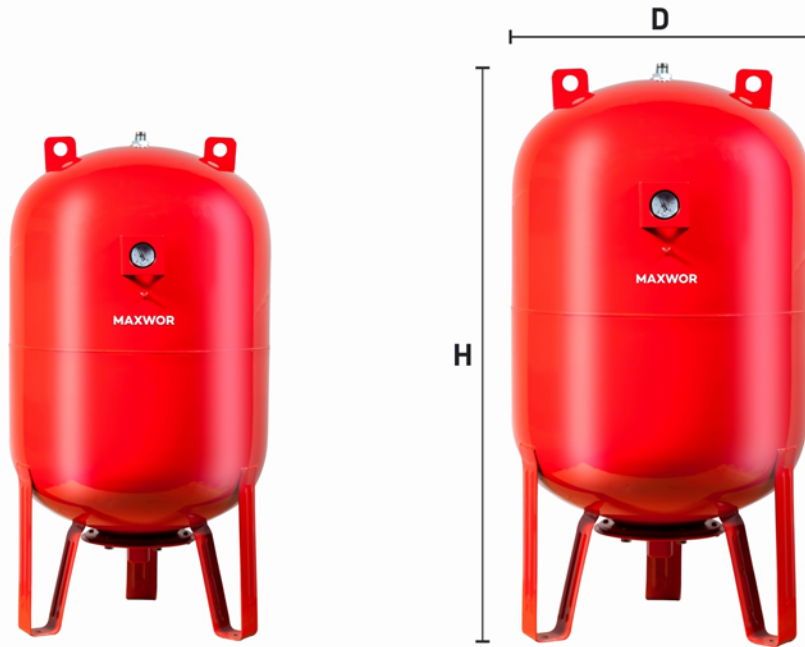


10 BAR VERTICAL EXPANSION VESSELS



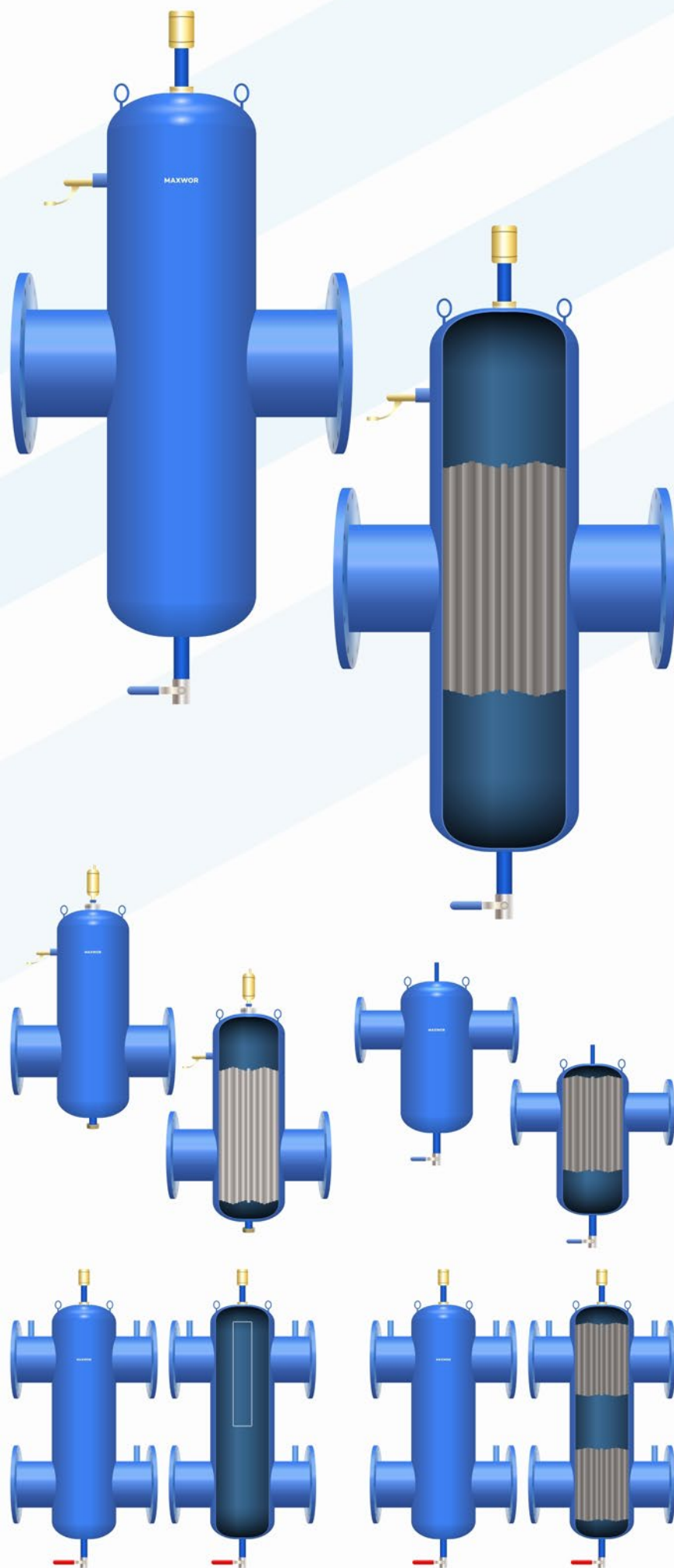
MODEL	VOLUME (LT)	PRE-CHARGE PRESSURE	CONNECTION	DIMENSION (MM)		MEMBRANE
				Height (H)	Diameter (D)	
MG 10	50	4	1"	750	380	EPDM
MG 10	60	4	1"	810	380	EPDM
MG 10	80	4	1"	960	430	EPDM
MG 10	100	4	1"	990	460	EPDM
MG 10	150	4	1"	1100	500	EPDM
MG 10	200	4	1 - 1/4"	1120	590	EPDM
MG 10	300	4	1 - 1/4"	1230	640	EPDM
MG 10	500	4	1 - 1/4"	1550	750	EPDM
MG 10	750	4	2"	1950	750	EPDM
MG 10	750	4	2"	1850	800	EPDM
MG 10	900	4	2"	1950	800	EPDM
MG 10	1000	4	2"	2180	800	EPDM
MG 10	1500	4	2"	2380	960	EPDM
MG 10	2000	4	2"	2520	1100	EPDM
MG 10	3000	4	2 - 1/2"	2800	1200	BUTYL
MG 10	4000	4	3"	3100	1450	BUTYL
MG 10	5000	4	3"	3720	1450	BUTYL
MG 10	10000	4	Dn100	5750	1600	BUTYL

16 BAR VERTICAL EXPANSION VESSELS



MODEL	VOLUME (LT)	PRE-CHARGE PRESSURE	CONNECTION	DIMENSIONS (MM)		MEMBRANE
				Height (H)	Diameter (D)	
MG 16	50	4	1"	750	380	EPDM
MG 16	60	4	1"	810	380	EPDM
MG 16	80	4	1"	960	430	EPDM
MG 16	100	4	1"	990	460	EPDM
MG 16	150	4	1"	1100	500	EPDM
MG 16	200	4	1 - 1/4"	1120	590	EPDM
MG 16	300	4	1 - 1/4"	1230	640	EPDM
MG 16	500	4	1 - 1/4"	1550	750	EPDM
MG 16	750	4	2"	1850	800	EPDM
MG 16	900	4	2"	1950	800	EPDM
MG 16	1000	4	2"	2180	800	EPDM
MG 16	1500	4	2"	2380	960	EPDM
MG 16	2000	4	2"	2520	1100	EPDM
MG 16	3000	4	2 - 1/2"	2800	1200	BUTYL
MG 16	4000	4	31	3100	1450	BUTYL
MG 16	5000	4	3"	3720	1450	BUTYL
MG 16	10000	4	Dn100	5750	1600	BUTYL

SEPARATOR VESSELS

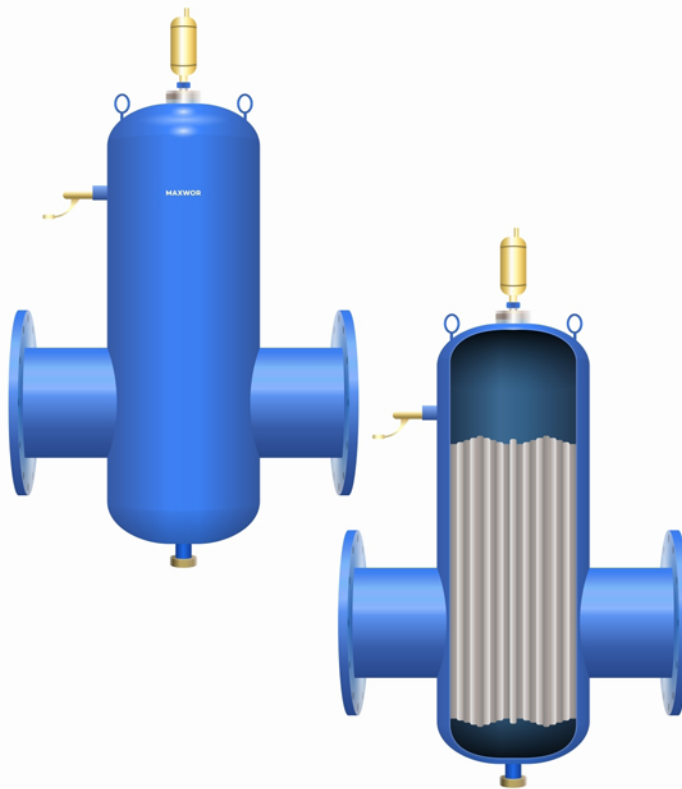


- ✓ AIR SEPARATOR
- ✓ DIRT SEPARATOR
- ✓ AIR AND DIRT SEPARATOR
- ✓ BALANCE TANK
- ✓ PACKAGE BALANCE TANK

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AIR SEPARATOR



Oxygen dissolved in water; is released when its temperature increases under pressure and creates air bubbles in the water. Air bubbles cause corrosion in heating systems and all plumbing pipes, and cavitation in pumps and plumbing. Bubbles adhering to heat transfer surfaces decrease heat permeability and result in loss of efficiency. It causes malfunctions in pumps and other armatures, disturbing noises in plumbing pipes and especially in radiators.

The Air Separator collects the air bubbles in the water on the surface of the specially designed metal filling material and throws them out. Thus, problems occurring in the installation and heat transfer equipment are prevented, and the system works properly.

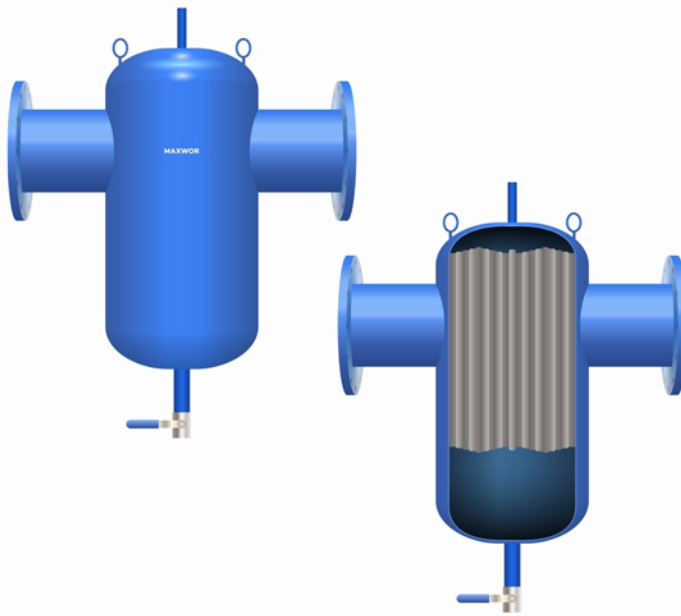
MHA - AIR SEPARATOR

MODEL	CONNECTION DN	DIAMETER QD	HEIGHT H (mm)
MHA-25	25	100	300
MHA-32	32	125	310
MHA-40	40	125	310
MHA-50	50	150	320
MHA-65	65	150	420
MHA-80	80	200	490
MHA-100	100	200	490
MHA-125	125	250	630
MHA-150	150	300	680
MHA-200	200	400	700
MHA-250	250	500	1030
MHA-300	300	600	1320

Body : St 37.2 Carbon Steel
Air Separator : AISI 304 Stainless Steel
Max. Working Pressure : 16 Bar
Max. Working Temperature : 100°C
Connection Type : Threaded / Flanged

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DIRT SEPARATOR



Sediment and dirt in the water causes wear, low efficiency and malfunctions in heating and cooling installations, pumps and other armatures. Cleaning and maintenance can not be done easily by the user in conventional type strainers, so cleaning is often neglected. This negligence leads to problems such as clogging of the filters and inefficient operation of the system and consequently, not being able to heat sufficiently.

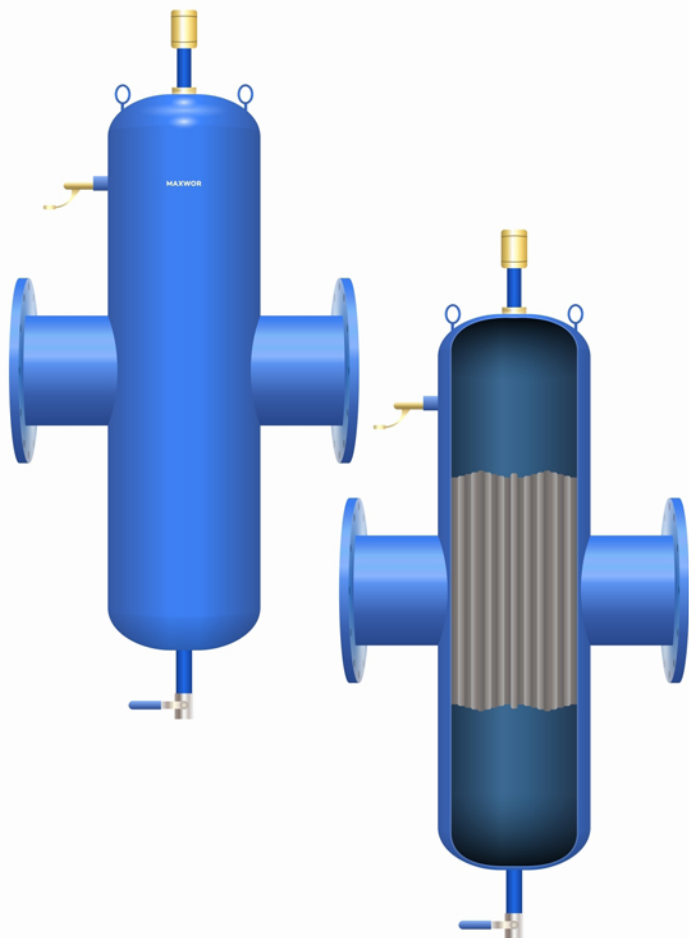
Note: A drain valve must be used for the system to operate properly and efficiently.

MTT - DIRT SEPARATOR			
MODEL	CONNECTION DN	DIAMETER QD	HEIGHT H (mm)
MTT-25	25	100	300
MTT-32	32	125	310
MTT-40	40	125	310
MTT-50	50	150	320
MTT-65	65	150	420
MTT-80	80	200	490
MTT-100	100	200	490
MTT-125	125	250	630
MTT-150	150	300	680
MTT-200	200	400	840
MTT-250	250	500	1030
MTT-300	300	600	1320

Body : St 37.2 Carbon Steel
Air Separator : AISI 304 Stainless Steel
Max. Working Pressure : 16 Bar
Max. Working Temperature : 100°C
Connection Type : Threaded / Flanged

MAXWOR

AIR AND DIRT SEPARATOR



Sediment and dirt in the water causes wear, low efficiency and malfunctions in heating and cooling installations, pumps and other armatures. Cleaning and maintenance can not be done easily by the user in conventional type strainers, so cleaning is often neglected. This negligence leads to problems such as clogging of the filters and inefficient operation of the system and, consequently, not being able to heat sufficiently.

Body : St 37.2 Carbon Steel
Air Separator : AISI 304 Stainless Steel

Max. Working Pressure : 16 Bar

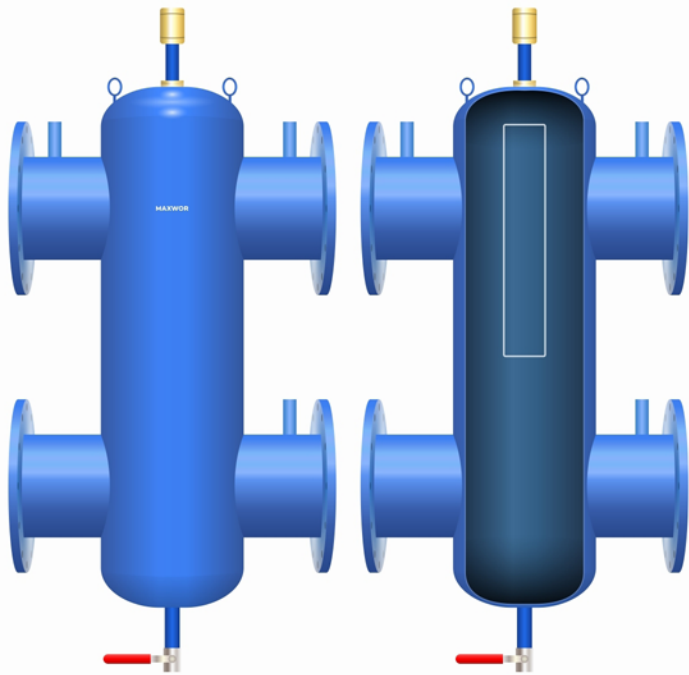
Max. Working Temperature : 100°C

Connection Type : Threaded / Flanged

MPH - AIR AND DIRT SEPARATOR

MODEL	CONNECTION DN	DIAMETER QD	HEIGHT H (mm)
MPH-25	25	100	300
MPH-32	32	125	310
MPH-40	40	125	310
MPH-50	50	150	320
MPH-65	65	150	420
MPH-80	80	200	490
MPH-100	100	200	490
MPH-125	125	250	610
MPH-150	150	300	675
MPH-200	200	400	750
MPH-250	250	500	1030
MPH-300	300	600	1320

BALANCE TANK



The fluid loses heat as it returns from the installation to the boiler. This causes thermal stresses in the boiler. The main task of the balance tank is to ensure the thermal balance by mixing the cooled water coming from the installation with the water coming from the boiler. Temperature can be controlled with the sensor attached on it.

Note: A drain valve must be used for the system to operate properly and efficiently.

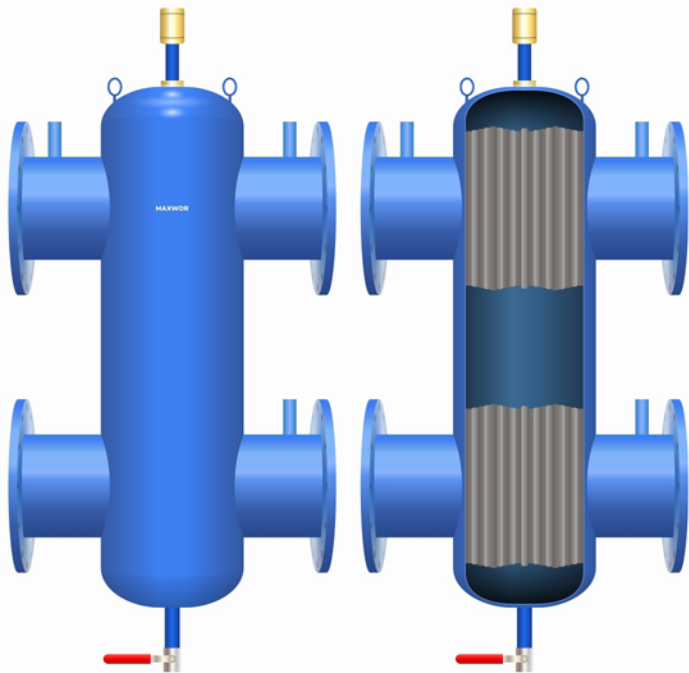
Body	: St 37.2 Carbon Steel
Max. Working Pressure	: 16 Bar
Max. Working Temperature	: 100°C
Connection	: Flanged / Welded End

Balance Tank Selection:

- ✓ When dimensioning, the max. heating water flow should be based.
- ✓ The water flow in the hydraulic balance tank is max. sizing should be done to 0.2 m/s.
- ✓ The pump on the primary side must be selected to overcome the resistance of the boiler and the primary side installation. The pump on the secondary side must be selected to overcome the resistances of the secondary side installation. All heating circuits on the secondary side must have separate pumps. The resistance of the balance tank is negligible.
- ✓ The flow temperature is measured by a sensor, which is welded to the secondary side, through the hydraulic equilibrium vessel.

MDK - BALANCE TANK							
MODEL	CONNECTION DN	DIAMETER QD	HEIGHT H (mm)	LENGTH BETWEEN CONNECTION H (mm)	FLOW M ³ /H	CAPACITY KW	CAPACITY Kcal
MDK-25	25	65	450	280	1	20	12.200
MDK-32	32	65	450	270	1,7	29	24.940
MDK-40	40	80	480	320	2,5	43	36.980
MDK-50	50	100	600	350	4	70	60.200
MDK-65	65	150	720	400	8	140	120.400
MDK-80	80	200	940	500	12	12	180.600
MDK-100	100	200	940	500	20	350	301.000
MDK-125	125	250	1160	600	32	550	473.000
MDK-150	150	300	1380	700	52	900	774.000
MDK-200	200	400	1840	1000	100	1750	1.505.000
MDK-250	250	500	2130	1250	185	3250	2.795.000
MDK-300	300	600	2420	1660	300	5250	4.515.000

PACKAGE BALANCE TANK



Thanks to a magnificent hydraulic balancing, an efficient operation is provided in systems where more than one or cooling group is used and multi-pump systems. Beside the hydraulic balance, it is very important to separate the air and sediment in the system. With a single product, hydraulic balance, residue and air separation can be achieved together. In this way, 4 installation connections will be sufficient instead of 8 connections. It provides an advantage in terms of both initial investment and assembly & labor costs.

Package balance tank should be placed between the primary circuit and the secondary circuit. This point is also an ideal place for air separators and dirt separator.

Advantages

- ✓ Package balance tank is a stand-alone function for all three of the air separator, hydraulic equilibrium and sediment retention devices.
- ✓ The use of the package balance tank prevents hydraulic imbalance.
- ✓ Prevents overloading of pumps and damage caused by this load.
- ✓ Significantly improved heat transfer ensures more qualified output in the automation system.

The package balance tank must be placed between the primary circuit and the secondary circuit. This point is also an ideal place for the air separator and sediment retainer.

Body : St 37.2 Carbon Steel Max. Working Pressure : 16 Bar
 Connection : Flanged / Welded End Max. Working Temperature : 100°C

MPD - PACKAGE BALANCE TANK							
MODEL	CONNECTION DN	DIAMETER QD	HEIGHT H (mm)	LENGTH BETWEEN CONNECTION H (mm)	FLOW M ³ /H	CAPACITY KW	CAPACITY Kcal
MPD-25	25	65	450	280	1	20	12.200
MPD-32	32	65	450	270	1,7	29	24.940
MPD-40	40	80	480	320	2,5	43	36.980
MPD-50	50	100	600	350	4	70	60.200
MPD-65	65	150	720	400	8	140	120.400
MPD-80	80	200	940	500	12	12	180.600
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MPD-200	200	400	1840	1000	100	1750	1.505.000
MPD-250	250	500	2130	1250	185	3250	2.795.000
MPD-300	300	600	2420	1660	300	5250	4.515.000

The background of the entire page is a photograph of an industrial facility, likely a refinery or chemical plant. It features several tall, vertical distillation columns or towers. These towers are interconnected by a complex network of pipes, ladders, and walkways. The pipes are painted in various colors, including yellow, red, and blue. The towers themselves are primarily white or light grey. The sky is overcast with grey clouds. In the foreground, there are more pipes and structural elements, slightly out of focus.

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