borpan®

sustainable energy solutions for a better world

WATER HEATER STORAGE TANKS

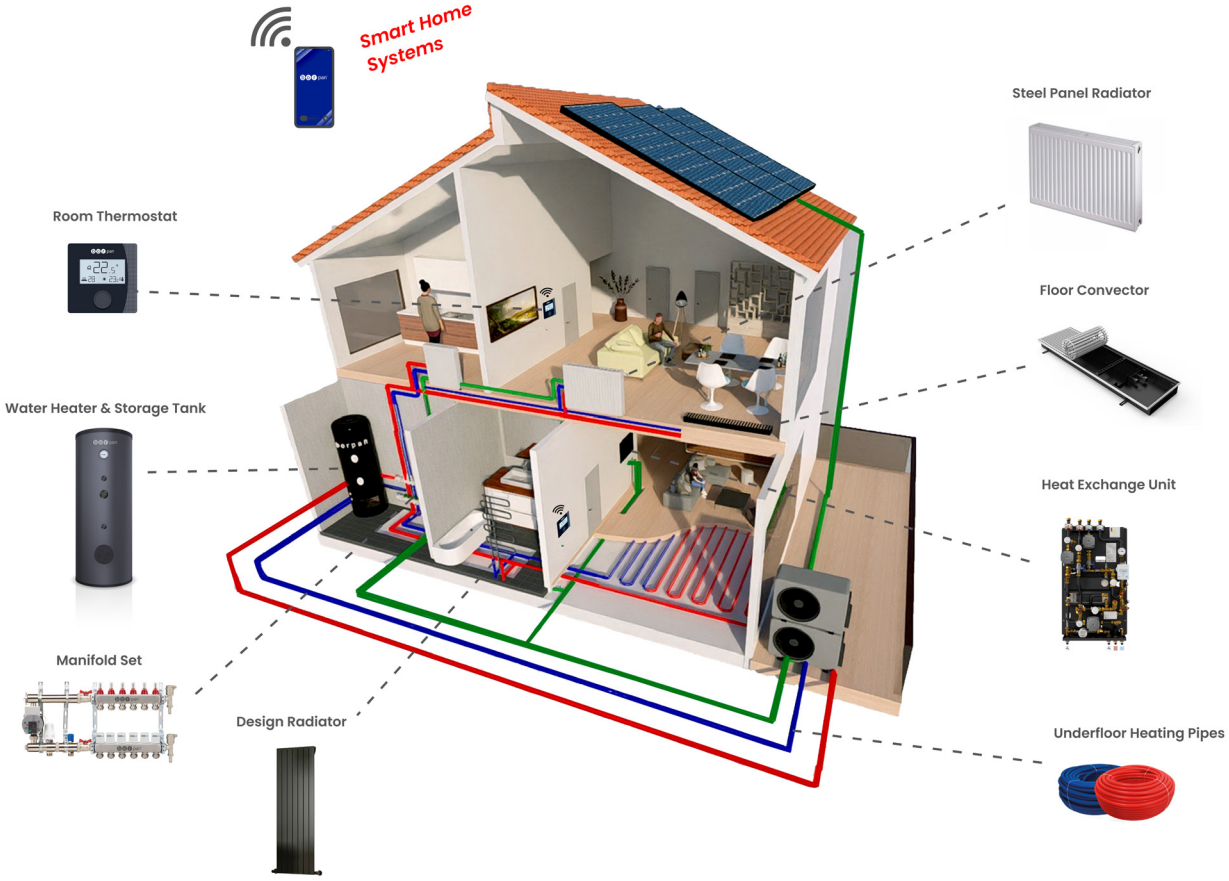
Sustainable energy solutions for a better world

BORPAN, a brand of BEDISA Inc. Co., is one of the Türkiye's leading manufacturers. With the latest production technology available in the world, our plant covers 42.500 m^2 indoor area on a 80.000 m^2 outdoor area located in Aksaray Organized Industrial Zone.

BORPAN specializes in the following HVAC products;

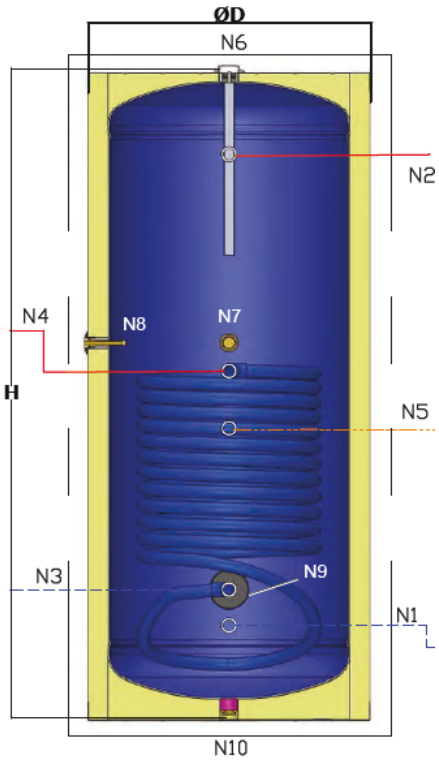
- Steel Panel Radiators
- Water Heaters and Storage Tanks
- Underfloor Heating Systems
- Room Thermostat and Accessories
- Heat Interface Units
- Floor Convector
- Towel & Design Radiators
- Valves and Fittings

BORPAN exports to over 60 countries across 6 continents and maintains an extensive dealer network across many throughout Türkiye.



BWB01 SINGLE COIL WATER HEATER

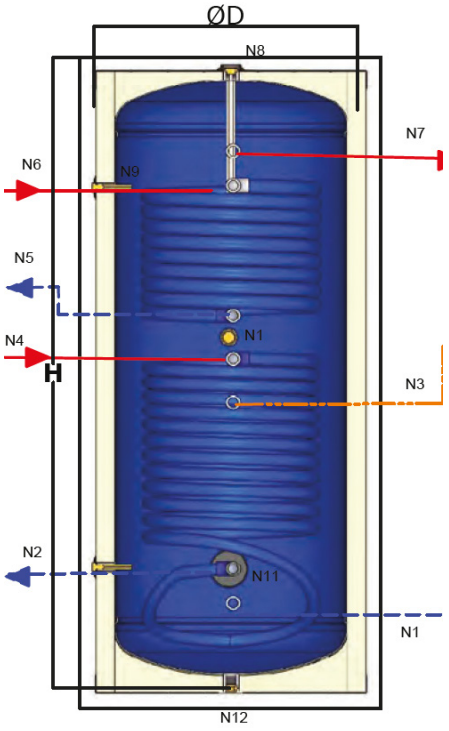
Single coil water heater provides high comfort of hot water supply;
·It is fully compatible with condensing devices, boilers, heat pump and solar energy
·High water comfort for any needs from 100 to 5000 L
·Maximum working pressure (body) :10 Bar
·Maximum working pressure: (Coil):16 Bar
·Maximum operating temperature (body): 95°C
·Maximum operating temperature (Coil): 120°C
·Construction: S235JR steel
·Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a high-quality enamel coating in accordance with DIN 4753-3
·Magnesium anode protection
·High thermal insulation
·Easy to install and virtually maintenance free design
·Corrosion protection with external enamel coating
·With sensor sleeve (1/2") and thermometer
·Re-circulation connection possibility
·Maximum legionella protection due to the low-mounted coil
·Insulation
  100 – 1000L : 42 kg/m³ HCFC-free rigid PU
  1250L – 5000L : 18 kg/m³ soft PU/foam
·Outer Cover
  100 – 500L : Electrostatic powder coated galvanized sheet metal /Artificial Leather / Termowen
  100 -1000L : Termowen, which also provides high-density heat insulation
  1250 – 5000L : Artificial Leather (Vinlex)
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards



		BWB01 1	BWB01 2	BWB01 3	BWB01 4	BWB01 5	BWB01 6	BWB01 7	BWB01 8	BWB01 9	BWB01 10	BWB01 11	BWB01 12	BWB01 13	BWB01 14	BWB01 15
Volume	V (L)	100	160	200	300	400	500	800	1000	1250	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	490	590	590	590	750	750	950	950	1120	1120	1260	1460	1460	1760	1760
Height	H (mm)	1030	1060	1300	1820	1390	1620	1670	2010	1950	2250	2250	2200	2600	2300	2700
Water Inlet/Outlet	N1-N2 (inch)	3/4"	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Coil Inlet/Outlet	N4-N3 (inch)	1"	1"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Circulation Connection	N5 (inch)	3/4"	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Magnesium Anode	N6 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N7 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Thermometer	N8 (inch)	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Cleaning Flange	N9 (inch)	4"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"	5"
Discharge	N10 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	48	54	75	99	105	130	200	240	332	365	470	587	700	862	980

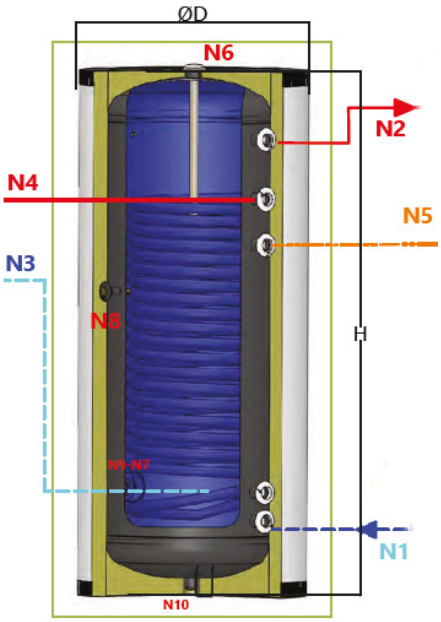
BWB02 DOUBLE COIL WATER HEATER

Double coil water heater provides high comfort of hot water supply;
·It is fully compatible with condensing devices, boilers, heat pump and solar energy
·High water comfort for any needs from 160 to 5000 L
·Maximum working pressure (body) :10 Bar
·Maximum working pressure: (Coil):16 Bar
·Maximum operating temperature (body): 95°C
·Maximum operating temperature (Coil): 120°C
·Construction: S235JR steel
·Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a high-quality enamel coating in accordance with DIN 4753-3
·Magnesium anode protection
·High thermal insulation
·Easy to install and virtually maintenance free design
·Corrosion protection with external enamel coating
·With sensor sleeve (1/2") and thermometer
·Re-circulation connection possibility
·Maximum legionella protection due to the low-mounted coil
·Insulation
160 – 1000L : 42 kg/m³ HCFC-free rigid PU
1250L – 5000L : 18 kg/m³ soft PU/foam
·Outer Cover
160 – 500L : Electrostatic powder coated galvanized sheet metal /Artificial Leather / Termowen
160 -1000L : Termowen, which also provides high-density heat insulation 1250 – 5000L : Artificial Leather (Vinlex)
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards



		BWB02 1	BWB02 2	BWB02 3	BWB02 4	BWB02 5	BWB02 6	BWB02 7	BWB02 8	BWB02 9	BWB02 10	BWB02 11	BWB02 12	BWB02 13	BWB02 14
Volume	V (L)	160	200	300	400	500	800	1000	1250	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	590	590	590	750	750	950	950	1120	1120	1260	1460	1460	1760	1760
Height	H (mm)	1060	1300	1810	1380	1620	1670	2000	1950	2250	2250	2200	2600	2300	2700
Water Inlet/Outlet	N1-N7 (inch)	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Coil Inlet/Outlet	N4-N2 N6-N2 (inch)	1"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Circulation Connection	N3 (inch)	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Magnesium Anode	N8 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N10 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Thermometer	N9 (inch)	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"	½"
Cleaning Flange	N11 (inch)	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"	5"
Discharge	N12 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	69	85	103	110	160	220	268	362	395	503	678	790	945	1205

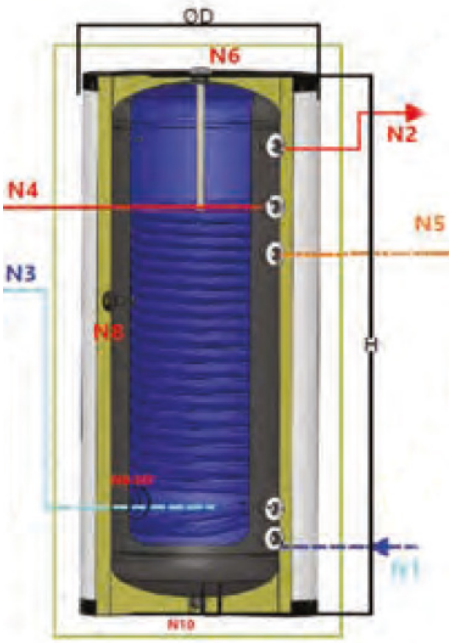
BWB03 SINGLE ROW COIL HEAT PUMP WATER HEATER



·It is fully compatible with condensing devices, boilers, heat pump and solar energy
·High water comfort for any needs from 100 to 500 L
·Maximum working pressure (Body) :10 Bar
·Maximum working pressure: (Coil):16 Bar
·Maximum operating temperature (Body): 95°C
·Maximum operating temperature (COil): 120°C
·Construction: S235JR steel
·Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a high-quality enamel coating in accordance with DIN 4753-3
·Magnesium anode protection
·High thermal insulation
·Easy to install and virtually maintenance free design
·With sensor sleeve (1/2") and thermometer
·Re-circulation connection possibility
·Maximum legionella protection due to the low-mounted coil
·Insulation
160 – 500L : 42 kg/m³ HCFC-free rigid PU
·Outer Cover
160 – 500L : Electrostatic powder coated galvanized sheet metal /Artificial Leather / Termowen
160 -500L : Termowen, which also provides high-density heat insulation
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards

		BWB03 1	BWB03 2	BWB03 3	BWB03 4
Volume	V (L)	160	200	300	500
Diameter	D (mm)	590	590	590	750
Height	H (mm)	1065	1320	1815	1640
Water Inlet/Outlet	N1-N2 (inch)	3/4"	3/4"	1"	1"
Coil Inlet / Outlet	N4-N3 (inch)	1"	1"	1"	1"
Circulation Connection	N5 (inch)	3/4"	3/4"	1"	1"
Magnesium Anode	N6 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N7 (inch)	1 ½"	1 ½"	1 ½"	1 ½"
Thermometer	N8 (inch)	1/2"	1/2"	1/2"	1/2"
Cleaning Flange	N9 (inch)	4"	4"	4"	4"
Discharge	N10	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weigh	W (kg)	70	89	114	145

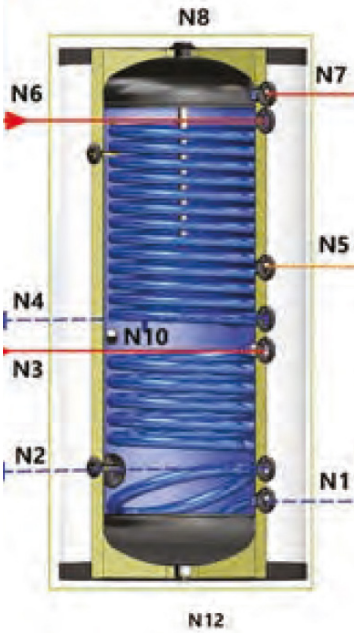
BWB04 DOUBLE ROW COIL HEAT PUMP WATER HEATER



·It is fully compatible with condensing devices, boilers, heat pump and solar energy.
·High water comfort for any needs from 160 to 500 lt.
·Maximum working pressure (Body) :10 bar.
·Maximum working pressure: (Coil):16 bar.
·Maximum operating temperature (Body): 95°C.
·Maximum operating temperature (Coil): 120°C.
·Construction: S235JR steel.
·Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a high-quality enamel coating in accordance with DIN 4753
·Magnesium anode protection
·High thermal insulation
·Easy to install and virtually maintenance free design.
·With sensor sleeve (1/2") and thermometer.
·Re-circulation connection possibility
·Maximum legionella protection due to the low-mounted coil.
·Insulation
160 – 500L : 42 kg/m³ HCFC-free rigid PU foam
·Outer Cover
160 – 500L : Electrostatic powder coated galvanized sheet metal / Artifical Leather / Termowen
160 -500L : Termowen, which also provides high-density heat insulation
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards

		BWB04 1	BWB04 2	BWB04 3	BWB04 4
Volume	V (L)	160	200	300	500
Diameter	D (mm)	590	590	590	750
Height	H (mm)	1065	1320	1815	1640
Water Inlet/Outlet	N1-N2 (inch)	3/4"	3/4"	1"	1"
Coil Inlet / Outlet	N4-N3 (inch)	1"	1"	1"	1"
Circulation Connection	N5 (inch)	3/4"	3/4"	1"	1"
Magnesium Anode	N6 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N7 (inch)	1 ½"	1 ½"	1 ½"	1 ½"
Thermometer	N8 (inch)	1/2"	1/2"	1/2"	1/2"
Cleaning Flange	N9 (inch)	4"	4"	4"	4"
Discharge	N10	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weigh	W (kg)	81	110	139	166

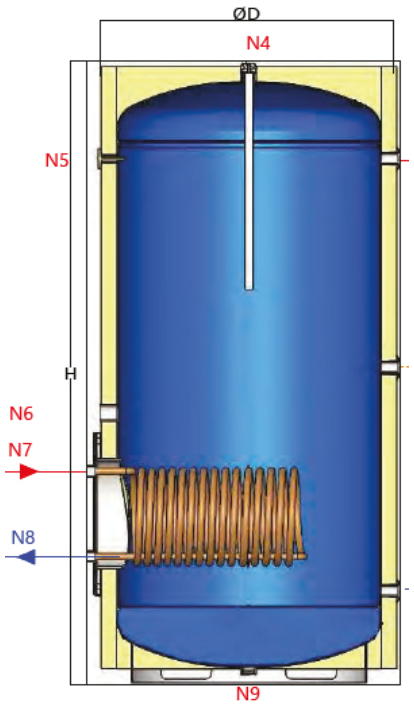
BWB05 SOLAR HEAT PUMP WATER HEATER



·Heat Pump Water Heater which supplies hot water comfort;
·Used with condensing equipments, boilers, heat pump and solar systems full-compatible
·Highest hot water comfort for every need at 200-500L
·Maximum working pressure (Body): 10 Bars
·Maximum working pressure (Coil): 16 Bars
·Maximum working temperature (Body) : 95°C
·Maximum working temperature (Coil) : 120°C
·Material : S235JR Steel
·Minimum lime thanks to smooth surface. Hygiene hot water protection and optimum corrosion protection thanks to high quality of enamel coating in accordance with DIN 4753-3
·Magnesium anode protection
·High heat insulation
·Installation friendly and low maintenance need construction
·With thermometer and sensor pocket (1/2")
·Recirculation connection
·Maximum protection against legionella thanks to coil shape placed at the lowest area of the tank
·Insulation : 200L – 500L : 42 kg/m³ HCFC Free Hard PU
·Outer Cover
200L – 500L : Electrostatic powder coated galvanized metal
200L – 500L : Termowen which also provides high density heat insulation
200L – 500L : Artificial Leather
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards

		BWB05 1	BWB05 2	BWB05 3
Volume	V (L)	200	300	500
Diameter	D (mm)	590	590	750
Height	H (mm)	1320	1815	1640
Water Inlet/Outlet	N1-N7 (inch)	3/4"	1"	1"
Upper Coil Inlet /Outlet	N6-N4 (inch)	1"	1"	1"
Lower Coil Inlet /Outlet	N3-N2 (inch)	1"	1"	1"
Circulation Connection	N5 (inch)	3/4"	1"	1"
Magnesium Anode	N8 (inch)	1¼"	1¼"	1¼"
Additional Elec. Heater	N10 (inch)	1½"	1½"	1½"
Thermometer	N9 (inch)	1/2"	1/2"	1/2"
Cleaning Cover	N11 (inch)	4"	4"	4"
Discharge	N12	1¼"	1¼"	1¼"
Empty Weight	W (kg)	97	139	180

BWB06 COPPER PIPE SINGLE COIL WATER HEATER



- It is fully compatible with condensing devices, boilers, heat pump and solar energy
- High water comfort for any needs from 160 to 5000 L
- Maximum working pressure (body) : 10 Bar
- Maximum working pressure: (serpentine) :16 Bar
- Maximum operating temperature (body) : 95°C
- Maximum operating temperature (serpentine) : 120°C
- Construction: S235JR steel
- Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a highquality enamel coating in accordance with DIN 4753-3
- Magnesium anode protection
- High thermal insulation
- Easy to install and virtually maintenance free design
- Corrosion protection with external enamel coating
- With sensor sleeve (1/2") and thermometer
- Re-circulation connection possibility
- Maximum legionella protection due to the low-mounted serpentine
- Insulation

160 – 5000L : 18 kg/m^3 soft PU/foam

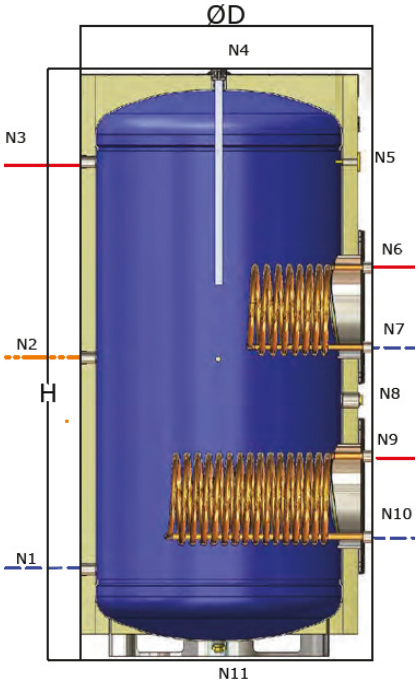
- Outer Cover

160 -1000L : Termowen, which also provides high-density heat insulation
1500 – 5000L: Artificial Leather (Vinlex)

- Designed according to TS EN 13445-3 standards

		BWB062	BWB063	BWB064	BWB065	BWB066	BWB067	BWB068	BWB069	BWB0610	BWB0611	BWB0612	BWB0613	BWB0614	BWB0615
Volume	V (L)	160	200	300	400	500	800	1000	1250	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	590	590	590	750	750	950	950	1120	1120	1260	1460	1460	1760	1760
Height	H (mm)	1060	1300	1820	1390	1620	1670	2000	1950	2250	2250	2200	2600	2300	2700
Water Inlet/Outlet	N1-N3 (inch)	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Coil Inlet/Outlet	N7-N8 (inch)	1"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Circulation Connection	N2 (inch)	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Magnesium Anode	N4 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N6 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Thermometer	N5 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Discharge	N9 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	43	48	68	87	124	194	224	347	354	450	575	685	847	964

BWB07 COPPER PIPE DOUBLE COIL WATER HEATER



- It is fully compatible with condensing devices, boilers, heat pump andsolar energy
- High water comfort for any needs from 160 to 5000 L
- Maximum working pressure (body) : 10 Bar
- Maximum working pressure: (serpentine) :16 Bar
- Maximum operating temperature (body) : 95°C
- Maximum operating temperature (serpentine) : 120°C
- Construction: S235JR steel
- Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a highquality enamel coating in accordance with DIN 4753-3
- Magnesium anode protection
- High thermal insulation
- Easy to install and virtually maintenance free design
- Corrosion protection with external enamel coating
- With sensor sleeve (1/2") and thermometer
- Re-circulation connection possibility
- Maximum legionella protection due to the low-mounted serpentine
- Insulation

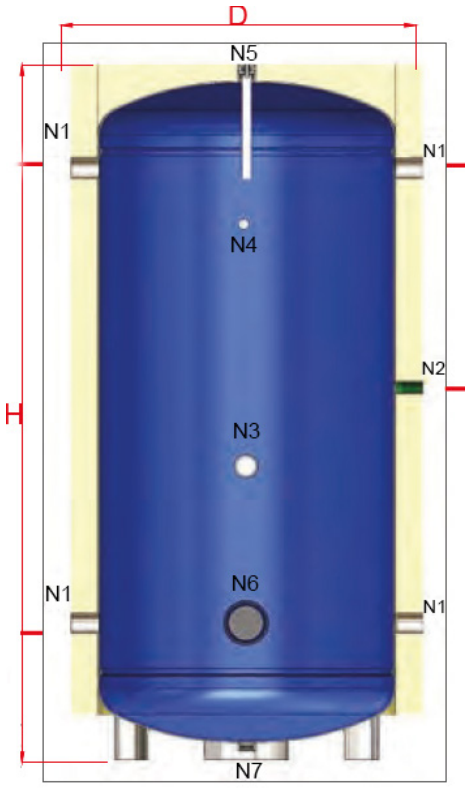
160 – 5000L : 18 kg/m³ soft PU/foam

- Outer Cover

160 -1000L : Termowen, which also provides high-density heat insulation
1500 – 5000L: Artificial Leather (Vinlex)

- Designed according to TS EN 13445-3 standards

		BWB07 2	BWB07 3	BWB07 4	BWB07 5	BWB07 6	BWB07 7	BWB07 8	BWB07 9	BWB07 10	BWB07 11	BWB07 12	BWB07 13	BWB07 14	BWB07 15
Volume	V (L)	160	200	300	400	500	800	1000	1250	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	590	590	590	750	750	950	950	1120	1120	1260	1460	1460	1760	1760
Height	H (mm)	1060	1300	1810	1380	1620	1670	2010	1950	2250	2250	2200	2600	2300	2700
Water Inlet/Outlet	N1-N3 (inch)	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Coil Inlet/Outlet	N6-N7 N9-N10 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Circulation Connection	N2 (inch)	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Magnesium Anode	N4 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N8 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Thermometer	N5 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Discharge	N11 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	78	95	108	125	156	174	224	284	381	486	640	736	1100	1150



- It is fully compatible with condensing devices, boilers, heat pump and solar energy
- Hot water comfort for any needs from 100 to 5000 L
- Maximum working pressure: 10 Bar
- Maximum operating temperature: 95°C
- Structure: S235JR steel
- Minimum level of lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a highquality enamel coating in accordance with DIN 4753-3 standard
- Magnesium anode protection
- High thermal insulation
- Easy to install and virtually maintenance free design
- Corrosion protection due to external enamel coating
- Has sensor sleeve (½") and thermometer
- Re-circulation connection accessibility

Insulation

100 – 1000L : 42 kg/m³ HCFC-free hard PU

1500L – 5000L : 18 kg/m³ Soft PU Foam

Outer Cover

100 – 500L : Electrostatic powder coated galvanized sheet metal / Artificial Leather / Termowen

100 -1000L : Termowen or Artificial Leather which also provides highdensity heat insulation

1500 – 5000L : Artificial Leather

- Designed according to TS EN 13445-3 standards

		BWB08 1	BWB08 2	BWB08 3	BWB08 4	BWB08 5	BWB08 6	BWB08 7	BWB08 8	BWB08 9	BWB08 10	BWB08 11	BWB08 12	BWB08 13	BWB08 14	BWB08 15
Volume	V (L)	100	160	200	300	400	500	800	1000	1250	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	490	590	590	590	750	750	950	950	1120	1120	1260	1460	1460	1760	1760
Height	H (mm)	1030	1060	1300	1810	1380	1620	1670	2010	1950	2250	2250	2200	2600	2300	2700
Water Inlet/Outlet	N1 (inch)	3/4"	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Circulation Connection	N2 (inch)	3/4"	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Additional Elec. Heater	N3 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Thermometer	N4 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Magnesium Anode	N5 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Cleaning Flange	N6	4"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"	5"
Discharge	N7	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	35	44	55	70	78	90	130	155	235	258	325	455	590	645	745

BWB09 ELECTRIC WATER HEATER

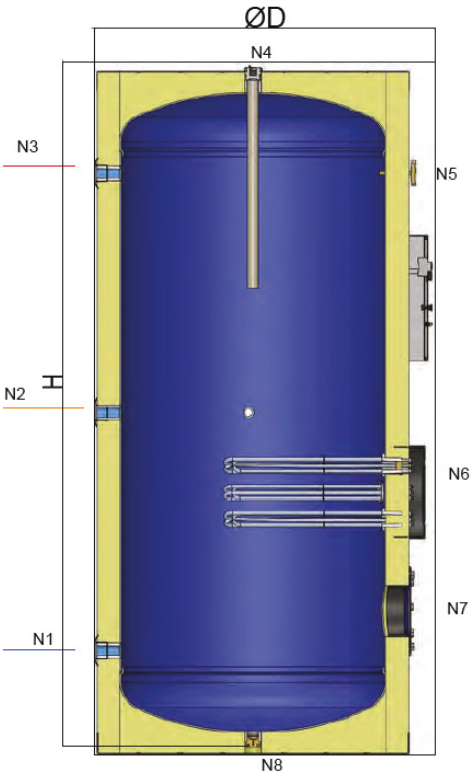
- 2–120 kW capacities, which are suitable for any customer requirement
- Highest hot water comfort for every need from 100 to 5000 L
- Maximum working pressure:10 Bar
- Maximum operating temperature: 95°C
- Construction: S235JR steel
- Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a highquality enamel coating in accordance with DIN 4753-3
- Magnesium anode protection
- High thermal insulation
- Easy to install and virtually maintenance free design
- Corrosion protection with external enamel coating
- With sensor sleeve (1/2") and thermometer
- Re-circulation connection possibility
- Insulation

100 – 1000L : 42 kg/m³ HCFC-free rigid PU
1500L – 5000L : 18 kg/m³ soft PU/foam

- Outer Cover

100 – 500L : Electrostatic powder coated galvanized sheet metal / Artificial Leather / Termowen
100 -1000L Termowen, which also provides high-density heat insulation
1500 – 5000L : Artificial Leather (Vinlex)

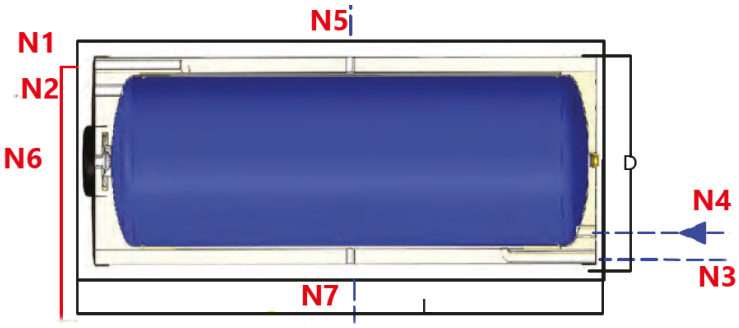
- Designed according to TS EN 13445-3 standards



		BWB09 1	BWB09 2	BWB09 3	BWB09 4	BWB09 5	BWB09 6	BWB09 7	BWB09 8	BWB09 9	BWB09 10	BWB09 11	BWB09 12	BWB09 13	BWB09 14	BWB09 15
Volume	V (L)	100	160	200	300	400	500	800	1000	1250	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	490	590	590	590	750	750	950	950	1120	1120	1260	1460	1460	1760	1760
Height	H (mm)	1030	1060	1300	1820	1390	1620	1670	2010	1950	2250	2250	2200	2600	2300	2700
Electric Heater Connection	N6 (inch)	SELECTION OF HEATER TYPE IS DONE ACCORDING TO CUSTOMER DEMAND														
Water Inlet/Outlet	N1-N3 (inch)	3/4"	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Circulation Connection	N2 (inch)	3/4"	3/4"	3/4"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"
Empty Weight		THE PRODUCTS WEIGHTS VARY DEPENDING ON THE HEATER														
Thermometer & Sensor	N5 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Magnesium Anode	N4 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Discharge	N10 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Cleaning Flange	N9 (inch)	4"	4"	4"	4"	4"	4"	5"	5"	5"	5"	5"	5"	5"	5"	5"

BWB10 HORIZONTAL CLOSED CIRCUIT WATER HEATER

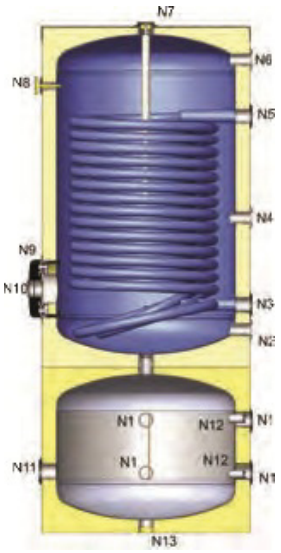
·Fully compatible with all solar energy systems
·Comfortable use of water from 150 to 300 L
·Maximum working pressure (Body):10 Bar
·Maximum working pressure (Heat Exchanger): 3 Bar
·Maximum operating temperature (Body): 95 ° C
·Maximum operating temperature (Heat Exchanger): 110 ° C
·Construction: S235JR steel
·Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a high-quality enamel coating in accordance with DIN 4753-3
·Magnesium anode protection
·High thermal insulation
·Easy to install and virtually maintenance free design
·Corrosion protection with external enamel coating
·Thermal insulation
150 – 300L : 42 kg / m³ HCFC-free rigid polyurethane
·Outer Cover
150 – 300L : Electrostatic powder coated galvanized sheet metal /
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards



		BWB10 1	BWB10 2	BWB10 3
Volume	V (L)	160	200	300
Diameter	D (mm)	590	590	590
Height	H (mm)	1100	1290	1840
Water Inlet/Outlet	N4-N2 (inch)	3/4"	3/4"	3/4"
Collector Inlet / Outlet	N4-N3 (inch)	3/4"	3/4"	3/4"
Safety equipment	N5-N7 (inch)	3/4"	3/4"	3/4"
Magnesium Anode	N6 (inch)	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N6 (inch)	1 ¼"	1 ¼"	1 ¼"
Cleaning Flange	N6 (inch)	3"	3"	3"
Empty Weigh	W (kg)	68	90	110

BWB11 COMPACT WATER HEATER

Compact Water Heater along with Buffer tank allows the water in both the domestic water and the heating circuits not to be mixed in direct and indirect water heating in the compact boiler heating system.
Compact water heaters are designed to be used with additional large heating surface areas and other heat sources, especially heat pumps. Thanks to the compact production of the buffer tank, space is saved and connection is convenient during installation.
Compact boilers provide a high level of comfort heating water compatible with condensing devices, boilers, heat pump and solar energy.



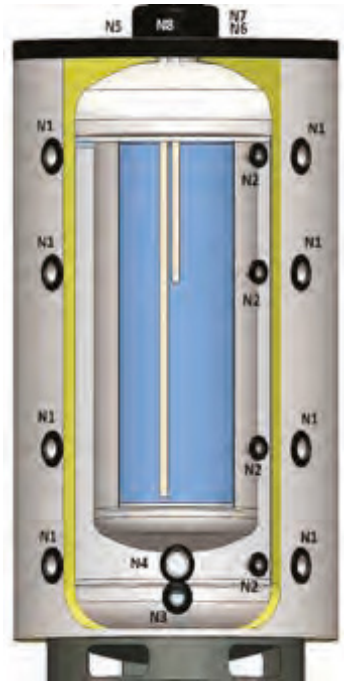
·Comfort use of water between 200L-300L.
·Maximum working pressure (body): 10 bar.
·Maximum working bar (coil): 16 bar.
·Maximum operating temperature (body): 95°C.
·Maximum operating temperature (coil): 120°C.
·In case of energy loss between the heat source and the heat consumption nodes, an energy storage zone is necessary, in such cases buffer tanks are used. This significantly increases system efficiency by allowing to work in the most efficient heating systems.
·Buffer tank is produced in the range between 80l and 200l.
·Construction: S235JR steel.
·Minimal lime formation due to smooth surface. Hygienic protection against hot water and optimum corrosion protection thanks to a highquality enamel coating in accordance with DIN 4753-3.

FOR BUFFER TANKS:
·Magnesium anode protection.
·Maximum working pressure: 6 bar.
·Maximum operating temperature: 95°C.
·Construction: S235JR steel.
·High thermal insulation.
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards

		BWB11.1 200/80	BWB11.2 200/100	BWB11.3 250/80	BWB11.4 300/80	BWB11.5 300/100	BWB11.6 300/200
Volume	V (L)	195 82	196 102	244 82	300 80	295 102	295 197
Diameter	D	700	700	700	700	700	700
Height	H	1314	1420	1500	1610	1660	2010
Water Inlet	N2	1"	1"	1"	1"	1"	1"
Water Outlet	N6	1"	1"	1"	1"	1"	1"
Coil Inlet	N5	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Coil Outlet	N3	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Tank Inlet / Outlet	N1	1 ¼"	1 ¼"	1 ¼"	1 ½"	1 ¼"	1 ¼"
Circulation Connection	N4	1"	1"	1"	1"	1"	1"
Magnesium Anode	N7	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N10/N11	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Cleaning Flange	N9	4"	4"	4"	4"	4"	4"
Thermostat and Sensor	N8/N12	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Discharge	N13	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	110	115	135	154	164	175

BWB12 COMBINED WATER HEATER

A combined water heater is a water heater that supports the production and use of heat with the possibility of using several inputs to balance the heat in the heating system, as well as the consumption of domestic hot water. The water heater saves space due to the fact that it is built into each other. Water heaters are used in houses, apartments, solar energy sources and solid fuel sources.

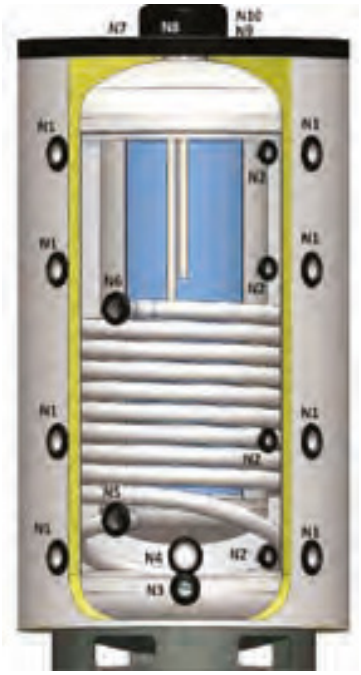


Operating conditions:
Heating water side (primary circuit);
-Maximum working pressure 3 bar
-Hot water inlet max. 95 °C
Hot water side (secondary circuit);
-Maximum working pressure: 6 bar
-Hot water outlet maximum: 110 °C
·Compatible with condensers, boilers, heat pumps and solar energy.
·External tank volume 500L-2000L
·The volume of the internal tank is 100L-400L, comfortable use of water.
·Minimal lime formation due to smooth surface. Hygienic hot water protection and optimum corrosion protection due to high-quality enamel coating in accordance with DIN 4753-3.
·Magnesium anode protection
·Construction: S235JR steel
·High thermal insulation
·Design is easy to assemble and virtually maintenance free
·With sensor sleeve (1/2") and thermometer
·Recirculation connection possibility
·Thermal insulation
-500L-1000L: 42 kg/m³ HCFC-free rigid polyurethane foam
-1500L-2000L: 18 kg/m³ soft polyurethane foam
·Outer Cover
·500L-2000L: Termowen which also provides high-density thermal insulation.
·500L-2000L: Artificial leather (Vinlex)
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards

		BWB12.1 500/100	BWB12.2 800/200	BWB12.3 1000/200	BWB12.4 1500/300	BWB12.5 2000/400
Volume	V 1 (L) V 2 (L)	356 100	585 200	766 200	1112 300	1485 400
Diameter	D (mm)	750	950	950	1120	1260
Height	H (mm)	1730	1740	2100	2340	2325
Cold Water Inlet	N5	¾"	¾"	¾"	1"	1"
Hot Water Outlet	N6 N7	¾"	¾"	¾"	1"	1"
Water Inlet/Outlet	N1	1½"	1½"	1½"	1½"	1½"
Magnesium Anode	N8	1¼"	1¼"	1¼"	1¼"	1¼"
Additional Elec. Heater	N4	1½"	2"	2"	2"	1¼"
Thermometer	N2	1½"	1½"	1½"	1½"	1½"
Discharge	N3	1¼"	1¼"	1¼"	1¼"	1¼"
Empty Weight	W(kg)	137	197	227	308	377

BWB13 SINGLE ROW COIL COMBINED WATER HEATER

A combined water heater is a water heater that supports the production and use of heat with the possibility of using several inputs to balance the heat in the heating system, as well as the consumption of domestic hot water. The water heater saves space due to the fact that it is built into each other. Water heaters are used in houses, apartments, solar energy sources and solid fuel sources.

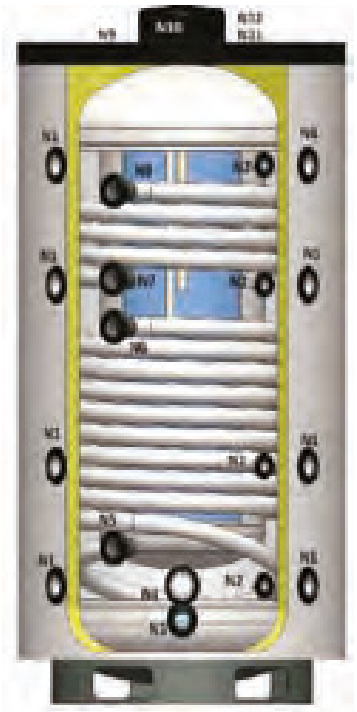


Operating conditions:
Heating water side (primary circuit);
-Maximum working pressure 3 bar
-Hot water inlet max. 95 °C
Hot water side (secondary circuit);
-Maximum working pressure: 6 bar
-Hot water outlet maximum: 110 °C
·Compatible with condensers, boilers, heat pumps and solar energy.
·External tank volume 500L-2000L
·The volume of the internal tank is 100L-400L, comfortable use of water.
·Minimal lime formation due to smooth surface. Hygienic hot water protection and optimum corrosion protection due to high-quality enamel coating in accordance with DIN 4753-3.
·Magnesium anode protection
·Construction: S235JR steel
·High thermal insulation
·Design is easy to assemble and virtually maintenance free
·With sensor sleeve (1/2") and thermometer
·Recirculation connection possibility
·Thermal insulation
-500L-1000L: 42 kg/m³ HCFC-free rigid polyurethane foam
-1500L-2000L: 18 kg/m³ soft polyurethane foam
·Outer Coating
·500L-2000L: Termowen which also provides high-density thermal insulation.
·500L-2000L: Artificial leather (Vinlex)
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards

		BWB13.1 500/ 100	BWB13.2 500/ 150	BWB13.3 800/ 200	BWB13.4 1000/ 200	BWB13.5 1500/ 300	BWB13.6 2000/ 400
Volume	V 1 (L) V 2 (L)	347 100	307 200	567 200	745 200	1086 300	1450 400
Diameter	D (mm)	750	750	950	950	1120	1260
Height	H (mm)	1730	1730	1740	2100	2335	2325
Cold Water Inlet	N7	¾"	¾"	¾"	¾"	1"	1"
Hot Water Outlet	N9 N10	¾"	¾"	¾"	¾"	1"	1"
Water Inlet/Outlet	N1	1½"	1½"	1½"	1½"	1½"	1½"
Coil Inlet/Outlet	N6 N5	1"	1"	1¼"	1¼"	1¼"	1¼"
Thermometer	N2	1½"	1½"	1½"	1½"	1½"	1½"
Magnesium Anode	N8	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"
Additional Elec. Heater	N4	1½"	1½"	2"	2"	2"	2"
Discharge	N3	1¼"	1¼"	1¼"	1¼"	1¼"	1¼"
Empty Weight	W(kg)	175	180	263	298	417	510

BWB14 DOUBLE ROW COIL COMBINED WATER HEATER

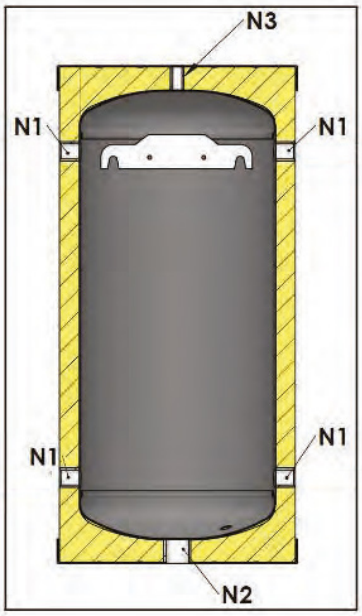
A combined Water heater is a Water heater that supports the production and use of heat with the possibility of using several inputs to balance the heat in the heating system, as well as the consumption of domestic hot water. The Water heater saves space due to the fact that it is built into each other.Water heaters are used in houses, apartments, solar energy sources and solid fuel sources.



Operating conditions:
Heating water side (primary circuit);
-Maximum working pressure 3 bar
-Hot water inlet max. 95 °C
Hot water side (secondary circuit);
-Maximum working pressure: 6 bar
-Hot water outlet maximum: 110 °C
·Compatible with condensers, boilers, heat pumps and solar energy.
·External tank volume 500L-2000L
·The volume of the internal tank is 100L-400L, comfortable use of water.
·Minimal lime formation due to smooth surface. Hygienic hot water protection and optimum corrosion protection due to high-quality enamel coating in accordance with DIN 4753-3.
·Magnesium anode protection
·Construction: S235JR steel
·High thermal insulation
·Design is easy to assemble and virtually maintenance free
·With sensor sleeve (1/2") and thermometer
·Recirculation connection possibility
·Thermal insulation
-500L-1000L: 42 kg/m³ HCFC-free rigid polyurethane foam
-1500L-2000L: 18 kg/m³ soft polyurethane foam
·Outer Coating
·500L-2000L: Termowen which also provides high-density thermal insulation.
·500L-2000L: Artificial leather (Vinlex)
·Designed according to EN12897 / TS 736 and TS EN 13445-3 standards

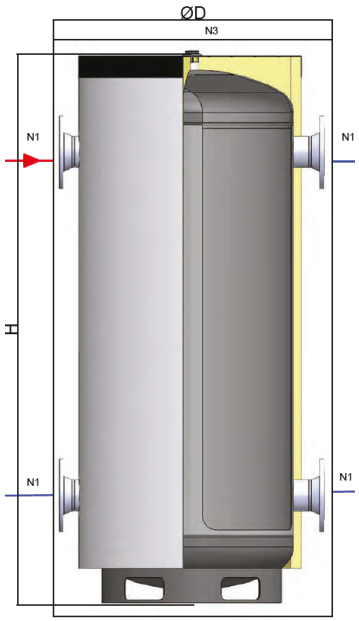
		BWB14.1 500/100	BWB14.3 800/200	BWB14.4 1000/200	BWB14.5 1500/300	BWB14.6 2000/400
Volume	V (L)	341 100	555 200	733 200	1074 300	1432 400
Diameter	D (mm)	750	950	950	1120	1260
Height	H (mm)	1730	1740	2100	2335	2320
Cold Water Inlet	N9	¾"	¾"	¾"	1"	1"
Hot Water Outlet	N11 N12	¾"	¾"	¾"	1"	1"
Water Inlet/Outlet	N1	1½"	1½"	1½"	1½"	1½"
Upper Coil Inlet/Outlet	N8 N7	1"	1¼"	1¼"	1¼"	1¼"
Lower Coil Inlet/Outlet	N6 N5	1"	1¼"	1¼"	1¼"	1¼"
Magnesium Anode	N10	1¼"	1¼"	1¼"	1¼"	1¼"
Additional Elec. Heater	N4	1½"	2"	2"	2"	2"
Thermometer	N2	1½"	1½"	1½"	1½"	1½"
Discharge	N3	1¼"	1¼"	1¼"	1¼"	1¼"
Empty Weight	W(kg)	207	295	327	468	568

BWB15 BUFFER TANK WITH HANGER



- Buffer Tank with Hanger are used to combine several heating sources at one system and increase the efficiency at renewable energy systems
- It is recommended to use buffer tank with heat pumps
- Buffer tanks which maintains high efficient energy storage for every needs and heating systems are;
- Used with condensing equipments, boilers, heat pump and solar systems full-compatible
- Energy storage is needed in case energy loss occurs between heat source and units of heat consumption and buffer tanks are used fort hat purpose
- Increasing the efficiency of system by maintaining the system to work at the best conditions
- Highest hot water comfort for every need between at 40-140L
- Maximum working pressure : 3 Bars
- Maximum working temperature : 95°C
- Material : S235JR Steel
- High heat insulation

		BWB15.1 40	BWB15.2 60	BWB15.3 80	BWB15.4 100	BWB15.5 120	BWB15.6 140
Volume	V (L)	40	60	80	100	120	140
Diameter	D (Ø)	490	490	490	490	490	950
Height	H	480	680	865	1015	1115	1265
Primary-Secondary Circuit Energy Input & Output	N1 (inch) DN	1"	1"	1"	1"	1"	1"
Discharge	N2	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Primary Output Ventilation	N3 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"



·It is fully compatible with condensing devices, boilers, heat pump and solar energy
·Maximum comfort of hot water for any needs from 100 to 5000 L
·Maximum working pressure: 10 Bar
·Maximum operating temperature: 95°C
·Construction: S235JR steel
·High thermal insulation
·Easy to install and virtually maintenance free design
·Insulation
100 – 500L : 42 kg/m³ HCFC-free rigid PU
800 – 5000L : 18 kg/m³ soft PU/foam
·Outer Cover
100 – 500L : Electrostatic powder coated galvanized sheet metal / Artificial Leather / Termowen
100 -1000L : Termowen, which also provides high-density heat insulation 1500 – 5000L : Artificial Leather (Vinlex)
·Designed according to TS EN 13445-3 standards

		BWB16 1	BWB16 2	BWB16 3	BWB16 4	BWB16 5	BWB16 6	BWB16 7	BWB16 8	BWB16 9	BWB16 10	BWB16 11	BWB16 12
Volume	V (L)	100	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	490	590	590	750	950	950	1120	1260	1460	1460	1760	1760
Height	H (mm)	1030	1245	1810	1620	1620	1980	2250	2250	2200	2600	2300	2700
Primary-Secondary Circuit Energy Input&Output	N1 (inch)/ DN	1 ½"	1 ½"	2"	2 ½"	DN 80	DN 100	DN 125	DN 125	DN 150	DN 150	DN 200	DN 200
Discharge	N2	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"	2"	2"	2 ½"	2 ½"	2 ½"	2 ½"
Primary Output Ventilation	N3 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	33	50	66	86	145	175	275	340	480	560	720	920

BWB17 BUFFER TANK with BAFFLE PLATE

·It is fully compatible with condensing devices, boilers, heat pump and solar energy.
·Maximum comfort of hot water for any needs from 100 to 5000 lt.
·Maximum working pressure: 10 bar.
·Maximum operating temperature: 95°C.
·Construction: S235JR steel.
·High thermal insulation
·Easy to install and virtually maintenance free design.
·Insulation
100 – 500L : 42 kg/m³ HCFC-free rigid PU foam
800 – 5000L : 18 kg/m³ soft PU/Foam
· Outer Cover
100 – 500L : Electrostatic powder coated galvanized sheet metal / Artifical Leather / Termowen
100 -1000L : Termowen, which also provides high-density heat insulation 1500 – 5000L : Artificial Leather (Vinlex)
·Designed according to TS EN 13445-3 standards

		BWB17.1 100	BWB17.2 200	BWB17.3 300	BWB17.4 500	BWB17.5 800	BWB17.6 1000	BWB17.7 1500	BWB17.8 2000	BWB17.9 2500	BWB17.10 3000	BWB17.11 4000	BWB17.12 5000
Qty of Baffle		1					2				3		
Volume	V (L)	100	200	300	500	800	1000	1500	2000	2500	3000	4000	5000
Diameter	D (mm)	490	590	590	750	950	950	1120	1260	1460	1460	1760	1760
Height	H (mm)	1030	1245	1810	1620	1620	1980	2250	2250	2200	2600	2300	2700
Primary-Secondary Circuit Energy Input&Output	N1 (inch)/ DN	1 ½"	1 ½"	2"	2 ½"	DN 80	DN 100	DN 125	DN 125	DN 150	DN 150	DN 200	DN 200
Discharge	N2	1 ¼"	1 ¼"	1 ½"	1 ½"	2"	2"	2"	2"	2 ½"	2 ½"	2 ½"	2 ½"
Primary Output Ventilation	N3 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	34	52	67	87	147	176	277	342	485	565	726	928

Buffer tank is used to increase efficiency and collect multiple heat sources in a single system in applications of renewable energy systems. It is recommended to use a buffer tank in the installation of heat pumps, which are among the renewable energy systems.

Buffer tanks that offer highly efficient storage for every need and every heating system;
- It is fully compatible with condensing devices, boilers, heat pump and solar energy.
- In case of energy loss between the heat source and the heat consumption units, an energy storage area is needed, and in such cases Buffer tanks are used.
- It significantly increases system efficiency by allowing the heating systems to operate in the most efficient range.
- Highest hot water comfort for every need of 100-2000 liters
- Maximum working pressure: 6 bar.
- Maximum operating temperature: 95°C.
- Construction: S235JR steel.
- High thermal insulation.

		BWB18.1 100	BWB18.2 160	BWB18.3 200	BWB18.4 300	BWB18.5 400	BWB18.6 500	BWB18.7 800	BWB18.8 1000	BWB18.9 1500	BWB18.10 2000
Volume	V (L)	100	160	200	300	400	500	800	1000	1500	2000
Diameter	D (mm)	490	590	590	590	750	750	950	950	1120	1260
Height	H (mm)	1030	1060	1300	1810	1370	1620	1670	2010	2250	2250
Water Inlet/Outlet	N1 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Air Release	N5 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N4 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"
Thermometer	N2 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Discharge	N3	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	35	44	52	69	78	90	130	155	260	325

Buffer tank is used to increase efficiency and collect multiple heat sources in a single system in applications of renewable energy systems. It is recommended to use a buffer tank in the installation of heat pumps, which are among the renewable energy systems.

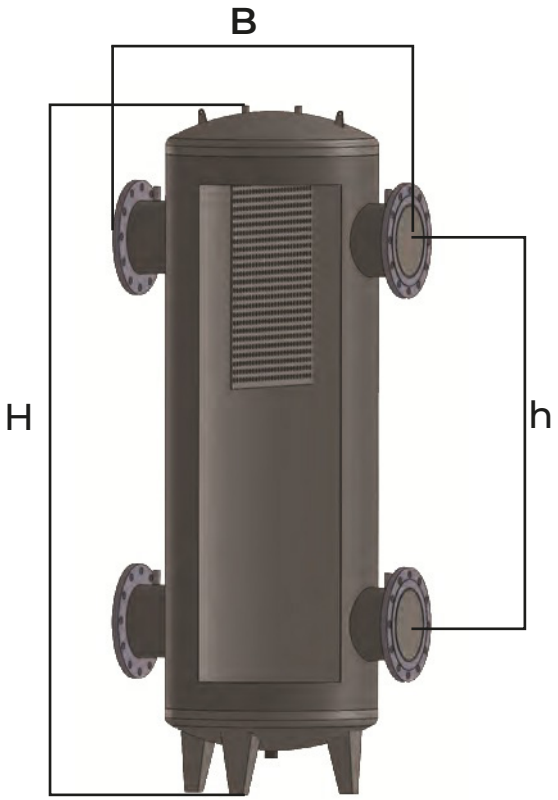
Buffer tanks that offer highly efficient storage for every need and every heating system;
·It is fully compatible with condensing devices, boilers, heat pump and solar energy.
·In case of energy loss between the heat source and the heat consumption units, an energy storage area is needed, and in such cases Buffer tanks are used.
·It significantly increases system efficiency by allowing the heating systems to operate in the most efficient range.
·Highest hot water comfort for every need of 100-2000 liters
·Maximum working pressure: 6 bar.
·Maximum operating temperature: 95°C.
·Construction: S235JR steel.
·High thermal insulation.

		BWB19.1 100	BWB19.2 160	BWB19.3 200	BWB19.4 300	BWB19.5 400	BWB19.6 500	BWB19.7 800	BWB19.8 1000	BWB19.9 1500	BWB19.10 2000
Volume	V (L)	100	160	200	300	400	500	800	1000	1500	2000
Diameter	D (mm)	490	590	590	590	750	750	950	950	1120	1260
Height	H (mm)	1030	1060	1300	1810	1380	1620	1670	2010	2250	2250
Water Inlet/Outlet	N1 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Coil Inlet /Outlet	N6-N5 (inch)	1"	1"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Air Release	N7 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N4 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"
Thermometer	N2 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Discharge	N3	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	45	56	73	92	110	129	210	240	365	470

Buffer tank is used to increase efficiency and collect multiple heat sources in a single system in applications of renewable energy systems. It is recommended to use a buffer tank in the installation of heat pumps, which are among the renewable energy systems.

Buffer tanks that offer highly efficient storage for every need and every heating system;
·It is fully compatible with condensing devices, boilers, heat pump and solar energy.
·In case of energy loss between the heat source and the heat consumption units, an energy storage area is needed, and in such cases Buffer tanks are used.
·It significantly increases system efficiency by allowing the heating systems to operate in the most efficient range.
·Highest hot water comfort for every need of 160-2000 liters
·Maximum working pressure: 6 bar.
·Maximum operating temperature: 95°C.
·Construction: S235JR steel.
·High thermal insulation.

		BWB20.1 160	BWB20.2 200	BWB20.3 300	BWB20.4 400	BWB20.5 500	BWB20.6 800	BWB20.7 1000	BWB20.8 1500	BWB20.9 2000
Volume	V (L)	160	200	300	400	500	800	1000	1500	2000
Diameter	D (mm)	590	590	590	750	750	950	950	1120	1260
Height	H (mm)	1060	1300	1810	1370	1620	1670	2010	2250	2250
Water Inlet/Outlet	N1 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"
Upper Coil Inlet /Outlet	N8-N7 (inch)	1"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Lower Coil Inlet /Outlet	N6-N5 (inch)	1"	1"	1"	1"	1"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Air Release	N9 (inch)	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Additional Elec. Heater	N4 (inch)	1 ½"	1 ½"	1 ½"	1 ½"	1 ½"	2"	2"	2"	2"
Thermometer	N2 (inch)	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Discharge	N3	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"	1 ¼"
Empty Weight	W (kg)	73	89	108	112	175	248	300	420	523

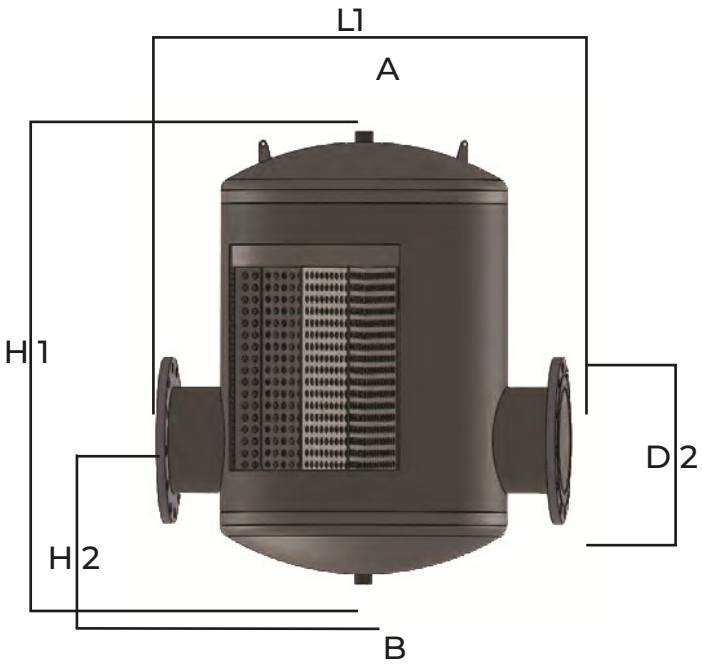


·The fluid used in the facility loses heat when returning from the plant to the boiler. This shortens the survice life of the boiler.
·Cooled fluid coming from the facility is mixed with hot water from the boiler to provide the thermal balance. Temperature and pressure control is done by the sensors.
·Compensates the hydraulic loads between the boiler circuit and heating circuit.
·Boilers and heating zones operate under suitable water flow.
·High strength.
Capacity: 60.000-3.000.000 kcal/h

		BWB21.1 50	BWB21.2 65	BWB21.3 80	BWB21.4 100	BWB21.5 125	BWB21.6 150	BWB21.7 200	BWB21.8 250	BWB21.9 300
Capacity	kW	58,2	73	93	116,3	145,3	174,4	232,6	290,7	348,8
Flow	m^3/h	9	18	28	56	75	110	180	300	420
Diameter	D (mm)	168.3	168.3	219.1	219.1	323.9	323.9	400	640	750
Width	B (mm)	440	440	470	470	620	620	900	1000	1100
Height	H (mm)	740	740	890	890	1150	1150	1710	2000	2250
Flanges	DN	50	65	80	100	125	150	200	250	300
Between Flangers	h (mm)	335	335	450	450	560	560	1000	1100	1200

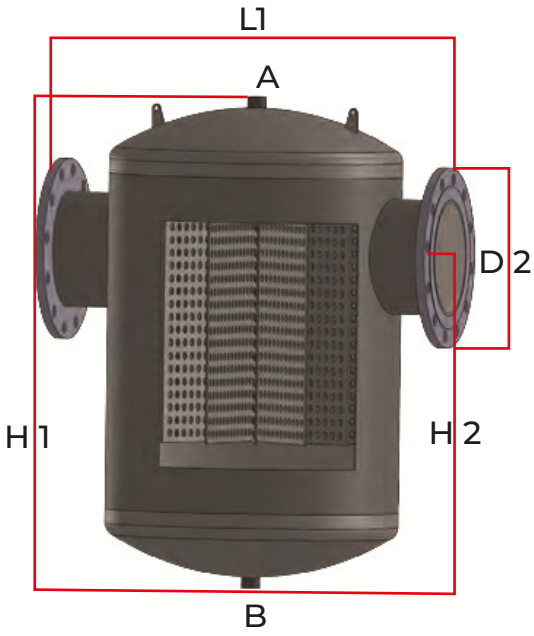
·In addition to the benefits provided by the balance tank in the system, it also provides automatic air evacuation, sediment and dirt retention functions.
·The combined balance tank saves cost and labor, as it performs the function that all three of the balance tank, air separator and sediment catcher devices perform together, while saving the volume required for the air separator and sediment catcher.
·The use of a combined balance tank prevents hydraulic imbalance.
·It prevents overloading of pumps, boilers and damages caused by this load.
·The noticeably improved heat transfer ensures better quality output in the automation system.
·Eliminates pressure and circulation imbalances in the system.

		BWB22.1 50	BWB22.2 65	BWB22.3 80	BWB22.4 100	BWB22.5 125	BWB22.6 150	BWB22.7 200	BWB21.8 250	BWB22.9 250
Flow	m^3/h	8,2	14,4	21,4	34	58	86,1	146	232	324
Diameter	D (mm)	168.3	168.3	219.1	219.1	323.9	323.9	400	640	750
Width	B (mm)	440	440	470	470	620	620	900	1000	1100
Height	H (mm)	740	740	890	890	1150	1150	1710	2000	2250
Flanges	DN	50	65	80	100	125	150	200	250	300
Between Flangers	h (mm)	335	335	450	450	560	560	1000	1100	1200



·It is used to decompose air and microbubbles in heating and cooling plants.
·Air Separator collects the air bubbles in the water and expels them on thesurface of the specially designed metal fillers.
·It prevents problems in installation and heat transfer equipment (such as increase in energy consumption, high maintenance and repair costs, noise in pipes and pumps).
·In heating systems, the air separator must be placed in the high temperature flow direction (near the heat source and in the low pressure zone).
· In cooling systems, the air separator must be close to the cooler and on return line.

Model	FLOW m^3/h	H1 (mm)	H2 (mm)	A (mm)	B (DN)	Flanged		Welding Neck	
						D2 (mm)	L1 (mm)	D2 (mm)	L1 (mm)
BWB23.1 50	8,2	430	190	1/2"	1"	50	440	2"	350
BWB23.2 65	14,4	430	195	1/2"	1"	65	440	2 ½"	350
BWB23.3 80	21,4	525	210	1/2"	1"	80	470	3"	365
BWB23.4 100	34	525	225	1/2"	1"	100	470	4"	365
BWB23.5 125	58	700	280	1/2"	1"	125	600	5"	495
BWB23.6 150	86,1	700	295	1/2"	1"	150	600	6"	495
BWB23.7 200	146	700	270	1/2"	1"	200	670	8"	560
BWB23.8 250	232	880	300	1/2"	1"	250	990	10"	870
BWB23.9 300	324	1000	330	1/2"	1"	300	1100	12"	970



·Dirt separators are used to separate dirt particles and precipitates in heating and cooling facilities.
·The difference between the Wenta dirt separator andclassic dirt separators is that the retained dirt is drained from the fiLer and deposited at the bottom of the device and easily removed by the drain valve.
·In heating systems, the sediment retainers must be in the return line. In
·Cooling systems, it should be on the return line near the cooler.

Model	FLOW m^3/h	H1 (mm)	H2 (mm)	A (mm)	B (DN)	Flanged		Welding Neck	
						D2 (mm)	L1 (mm)	D2 (mm)	L1 (mm)
BWB23.1 50	8,2	430	240	3/4"	1"	50	440	2"	350
BWB23.2 65	14,4	430	235	3/4"	1"	65	440	2 1/2"	350
BWB23.3 80	21,4	525	315	3/4"	1"	80	470	3"	365
BWB23.4 100	34	525	300	3/4"	1"	100	470	4"	365
BWB23.5 125	58	700	420	3/4"	1"	125	600	5"	495
BWB23.5 150	86,1	700	405	3/4"	1"	150	600	6"	495
BWB23.6 200	146	700	500	3/4"	2"	200	670	8"	560
BWB23.7 250	232	880	580	3/4"	2"	250	990	10"	870
BWB23.8 300	324	1000	670	3/4"	2"	300	1100	12"	970

BWB25 WE HYDROPHORE AND EXPANSION TANKS

- Replaceable EPDM membran is used in our tanks.
- Operating temperature -10 ° C + 100
° C (With the use of suitable antifreeze at -10 ° C)
- Resistant to scratching, impact and corrosion.
- It should be connected to the return line of heating systems.
- It prevents calcification and, corrosion and extends the life of the installation.
- When water is heated under pressure, it increases the efficiency and provides additional fuel savings.
- Prevents the formation of air in the installation.
- It eliminates the problem of evaporation, freezing and water level decrease in open expansion tanks.

Capacity: (tank volume) 5L-5000L
Max operating pressure: 10-16 Bar
Factory outlet pressure: 4 Bar

Model	Tank Volume	Max. Operation Pressure (bar)		Plant Exit Pre-gas Pressure (bar)	Water Connection	Dimensions		Approximate Weight (kg)
						Diameter	Height	
Sphere								
BWBS-01	5	10		1	½"	190	215	1,6
BWBS-02	24	10		1	1"	320	350	4
BWBS-03	50	10		4	1"	350	480	4,5
Horizontal								
BWBH-01	24	10		4	1"	265x380	310	4,3
BWBH-02	50	10		4	1"	350x480	410	4,9
BWBH-03	60	10		4	1"	350x610	410	8,0
BWBH-04	80	10		4	1"	420x580	490	9,6
BWBH-05	100	10		4	1"	420x780	490	12,1
Vertical								
BWBV-01	5	10		4	½"	165	320	1,6
BWBV-02	8	10		4	½"	215	290	2,0
BWBV-03	12	10		4	½"	215	340	2,4
BWBV-04	16	10		4	½"	265	340	2,6
BWBV-05	18	10		4	½"	265	350	2,7
BWBV-06	24	10		4	1"	265	365	4,0
BWBV-07	50	10		4	1"	350	640	7,0
BWBV-08	60	10		4	1"	350	720	7,8
BWBV-09	80	10		4	1"	425	820	10,5
BWBV-10	100	10		4	1"	425	1000	13,0
BWBV-11	150	10		4	1"	570	1000	18,0
BWBV-12	200	10		4	1"	570	1080	20,0
BWBV-13	300	10		4	1"	630	1120	31,0
BWBV-14	500	10		4	1¼"	740	1520	65,0
BWBV-15	750	10		4	2"	800	1780	95,0
BWBV-16	1000	10		4	2"	800	2200	120,0
BWBV-17	1500	10	16	4	2"	950	2420	230,0
BWBV-18	2000	10	16	4	2"	1100	2400	290,0
BWBV-19	2500	10	16	4	2½"	1200	2380	335,0
BWBV-20	3000	10	16	4	2½"	1200	2900	390,0
BWBV-21	4000	10	16	4	2"	1400	3000	570,0
BWBV-22	5000	10	16	4	2"	1500	3000	670,0

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