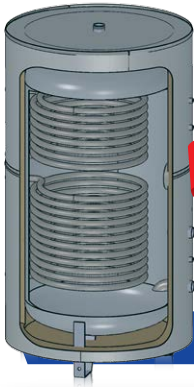


DHW PRODUCTION TANKS

COIL(S) VERSION

STAINLESS STEEL AISI 316L RANGE - FROM 500 TO 3 000L



NEW



CE compliance
• 2014/68/UE
• 2014/35/UE



Coil exchangers



Inspection manhole(s)



Stainless steel AISI 316L tank



Standard and classic DHW version

DESCRIPTION

Tank

- Vertical stainless steel AISI 316L tank with 3 feet.
- Capacity from 500 to 3 000L.
- Maximum working pressure = 7 bar - Test pressure = 10 bar.
- Tappings (in accordance with the following diagram).
- DN125 handhole.
- Internal and external weldings, stripped and passived.
- Maximum temp. = 95°C.

Removable thermal insulation

Fire proof rating : M1 (Euroclass B)

- High-performance mineral wool - 100 mm thick ($\lambda = 0,032 \text{ W/m/K} - 32 \text{ kg/m}^3$).
- Flexible PVC jacket.

Fire proof rating : M0 (Euroclass A2)

- Rockwool - 100 mm thick ($\lambda = 0,034 \text{ W/m/K} - 40 \text{ kg/m}^3$).
- Isoxal metal sheet jacket.

Coil exchanger(s) made of 316 L stainless steel.

Versions available :

- One coil placed at the bottom of tank.
- Dual coil placed at the top and bottom of tank.

Options

- Back up electric immersion heater :
- Electrical elements with 825 Incoloy pins.

- Power :

- 3 to 12 kW : 230/400 V three-phase;
- > 12 kW : 400/700 V three-phase.

- Attachment :

- 3 to 12 kW : DN40;
- > 12 kW : M77.

- Immersion heater fixing: on the tank or on the manhole according to the need.

- Temperature regulation:

- Electrical power $\leq 20 \text{ kW}$: Three-phase control/safety box 30 A, 400 V, fitted to the top of the immersion heater (double safety thermostat + connected switch).
- Electrical power $> 20 \text{ kW}$: Double unipolar safety thermostat.

- Accessories kit (thermometer, DN25 safety valve, DN50 drainage valve, air vent valve).
- Different thicknesses of insulation available.
- Upon request : non-standard capacity, dimensions, working pressure and tappings implantation.

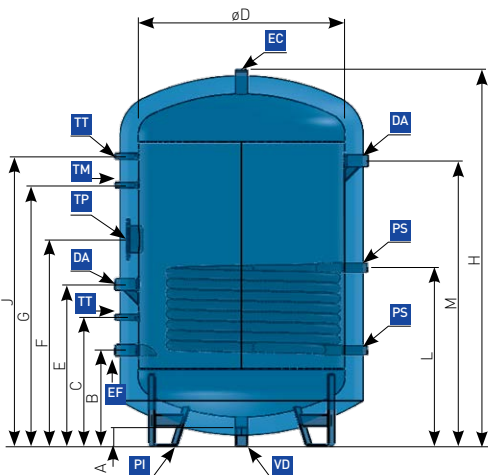
Warranties (in accordance with our general conditions of sale)

- Tank and coil(s) = 7 years.
- Accessories = 1 year.

NEW
Enamelled version also available
("Glass Lined" range)

DIMENSIONS AND TECHNICAL SPECIFICATIONS

Lower coil version:



Capacity (litres)	A (mm)	B (mm)	C (mm)	ϕ D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	L (mm)	M (mm)
500	90	410	560	650	710	1 010	1 295	1 760	1 445	950	1 105
750	90	440	590	800	740	1 040	1 325	1 820	1 475	980	1 045
1 000H ⁽¹⁾	90	440	590	800	740	1 175	1 815	2 330	1 965	1 115	1 535
1 000B ⁽¹⁾	90	475	640	950	775	1 065	1 360	1 900	1 510	915	1 045
1 500H ⁽¹⁾	90	475	640	950	775	975	1 910	2 450	2 060	915	1 595
1 500B ⁽¹⁾	90	510	685	1 100	860	1 100	1 390	1 960	1 545	950	1 245
2 000H ⁽¹⁾	90	510	685	1 100	860	1 010	1 940	2 510	2 095	950	1 795
2 000B ⁽¹⁾	90	560	745	1 300	930	1 175	1 425	2 050	1 595	1 040	1 210
2 500	90	560	745	1 300	930	1 225	1 675	2 300	1 845	1 160	1 460
3 000	90	560	745	1 300	930	1 225	1 970	2 600	2 145	1 160	1 760

Note:

TM is positioned at 90° on the 300 L version.

- DA Outlet/loop return
- EC Hot water outlet
- EF Cold water inlet
- PI Support feet
- PS Tappings for coil
- TM Tappings for thermometer
- TP DN125 handhole
- TT Tappings for thermostat (or PT100 probe)
- VD Drainage DN50

Capacity (litres)	TM-TT (G int. thread)	EC-EF-DA-VD (G ext. thread)	PS (G ext. thread)	Weight (kg)
500	DN15	DN50	DN25	140
750	DN15	DN50	DN25	175
1 000H ⁽¹⁾	DN15	DN50	DN25	210
1 000B ⁽¹⁾	DN15	DN50	DN40	235
1 500H ⁽¹⁾	DN15	DN50	DN40	280
1 500B ⁽¹⁾	DN15	DN50	DN40	290
2 000H ⁽¹⁾	DN15	DN50	DN40	345
2 000B ⁽¹⁾	DN15	DN50	DN40	400
2 500	DN15	DN50	DN40	430
3 000	DN15	DN50	DN40	470

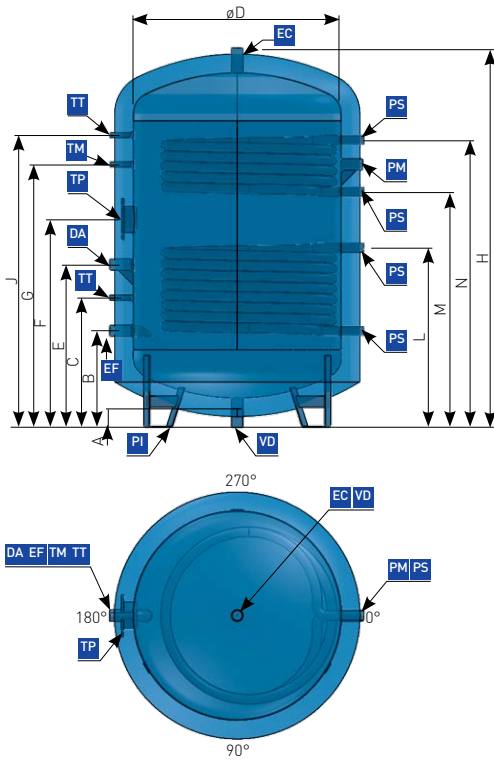
⁽¹⁾Note : H = High version ; B = Low version.

Model	Ø D (mm)	DN	S (m²)	Power (kW) : 55/45 - 10/40 °C (Heat pump)			Power (kW) : 90/70 - 10/55°C (boiler)		
				Flow rate (m³/h)	Power (kW)	Δp (mbar)	Flow rate (m³/h)	Power (kW)	Δp (mbar)
300	550	25	1,1	0.65	7.5	20	1.5	35	50
500	650	25	1,8	1.2	13.5	55	2.6	60	140
750	790	25	2,4	1.7	19.5	95	3.7	85	280
1000	790	25	3	2.2	25	155	4.8	110	510
1500	1100	40	3,5	1.92	22	40	4.4	100	90
2000	1250	40	4,1	2.5	29	45	5.6	130	120
2500	1250	40	4.6	2.94	34	50	6.5	150	160
3000	1250	40	5,1	3.3	38	55	7.6	175	200

Note : 100 mbar = 1 mWC

Integrated loop heater is not pre-assembled on tank.

Lower and upper coils:



Capacity (litres)	A (mm)	B (mm)	C (mm)	Ø D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	L (mm)	M (mm)	N (mm)
500	90	410	560	650	710	1010	1295	1760	1445	950	1105	1420
750	90	440	590	800	740	1040	1325	1820	1475	980	1045	1450
1000H ⁽¹⁾	90	440	590	800	740	1175	1815	2330	1965	1115	1535	1940
1000B ⁽¹⁾	90	475	640	950	775	1065	1360	1900	1510	915	1045	1485
1500H ⁽¹⁾	90	475	640	950	775	975	1910	2450	2060	915	1595	2035
1500B ⁽¹⁾	90	510	685	1100	860	1100	1390	1960	1545	950	1245	1520
2000H ⁽¹⁾	90	510	685	1100	860	1010	1940	2510	2095	950	1795	2070
2000B ⁽¹⁾	90	560	745	1300	930	1175	1425	2050	1595	1040	1210	1570
2500	90	560	745	1300	930	1225	1675	2300	1845	1160	1460	1820
3000	90	560	745	1300	930	1225	1970	2600	2145	1160	1760	2120

- DA Outlet/loop return
- EC Hot water outlet
- EF Cold water inlet
- PI Support feet
- PS Tappings for coil
- TM Tappings for thermometer
- TP DN125 handle
- TT Tappings for thermostat (or PT100 probe)
- VD Drainage DN50
- PM Threaded tapping for transportation only (untapped tank)

Capacity (litres)	TM-TT (G int. thread)	EC-EF-DA-VD (G ext. thread)	PS (G ext. thread)	Weight (kg)
500	DN15	DN50	DN25	140
750	DN15	DN50	DN25	175
1000H ⁽¹⁾	DN15	DN50	DN25	210
1000B ⁽¹⁾	DN15	DN50	DN40	235
1500H ⁽¹⁾	DN15	DN50	DN40	280
1500B ⁽¹⁾	DN15	DN50	DN40	290
2000H ⁽¹⁾	DN15	DN50	DN40	345
2000B ⁽¹⁾	DN15	DN50	DN40	400
2500	DN15	DN50	DN40	430
3000	DN15	DN50	DN40	470

⁽¹⁾Note : H = High version ; B = Low version.

Lower coil

Cap. of tank	Ø D (mm)	DN	S (m²)	Power (kW) : 55/45 - 10/40°C (Heat pump)			Power (kW) : 90/70 - 10/55°C (boiler)		
				Flow rate* (m³/h)	Power (kW)	Δp (mbar)	Flow rate (m³/h)	Power (kW)	Δp (mbar)
500	650	25	1,8	1.2	13.5	55	2.6	60	140
750	790	25	2,4	1.7	19.5	95	3.7	85	280
1000	790	25	3	2.2	25	155	4.8	110	510
1500	1100	40	3,5	1.92	22	40	4.4	100	90
2000	1250	40	4,1	2.5	29	45	5.6	130	120
2500	1250	40	4.6	2.94	34	50	6.5	150	160
3000	1250	40	5,1	3.3	38	55	7.6	175	200

Upper coil

Cap. of tank	Ø (mm)	DN	S (m²)	Power (kW) : 90/70 - 10/55°C (boiler)		
				Flow rate (m³/h)	Power (kW)	Δp (mbar)
500	650	25	1.0	1.3	30	40
750	790	25	1,6	2.25	52	95
1000	790	25	1,8	2.6	60	120
1500	1100	40	2,1	2.4	55	30
2000	1250	40	2,6	3.0	70	30
2500	1250	40	3,1	3.9	90	55
3000	1250	40	3,6	4.6	105	65

Combined upper and lower coils (connected in a series)

Cap. of tank	Ø (mm)	DN	S (m²)	Power (kW) : 90/70°C - 10/55°C			Power (kW) : 90/65°C - 10/55°C		
				Flow rate (m³/h)	Power (kW)	Δp (mbar)	Flow rate (m³/h)	Power (kW)	Δp (mbar)
500	650	25	2,8	4.6	90	510	3.1	90	290
750	790	25	4,0	6.6	137	1170	4.7	135	680
1000	790	25	4,8	8.0	170	1950	5.7	165	1090
1500	1100	40	5,6	8.0	155	320	5.6	160	190
2000	1250	40	6,7	10.2	200	480	7.1	205	270
2500	1250	40	7,7	12.2	240	560	8.3	240	450
3000	1250	40	8,7	13.9	280	650	9.6	276	510

Note : 100 mbar = 1 mWC

AVAILABLE MODELS AND PRICES

Lower coil version:

Capacity (litres)	Reference M1	Reference M0
500	INI050045M11	INI050045M01
750	INI075063M11	INI075063M01
1 000H ⁽¹⁾	INI100B074M11	INI100B074M01
1 000B ⁽¹⁾	INI100H074M11	INI100H074M01
1 500H ⁽¹⁾	INI150B088M11	INI150B088M01
1 500B ⁽¹⁾	INI150H088M11	INI150H088M01
2 000H ⁽¹⁾	INI200B107M11	INI200B107M01
2 000B ⁽¹⁾	INI200H107M11	INI200H107M01
2 500	INI250145M11	INI250145M01
3 000	INI300145M11	INI300145M01

Lower and upper coils version:

Capacity (litres)	Reference M1	Reference M0
500	IND050045027M11	IND050045027M01
750	IND075063044M11	IND075063044M01
1 000H ⁽¹⁾	IND100B074044M11	IND100B074044M01
1 000B ⁽¹⁾	IND100H074044M11	IND100H074044M01
1 500H ⁽¹⁾	IND150B088055M11	IND150B088055M01
1 500B ⁽¹⁾	IND150H088055M11	IND150H088055M01
2 000H ⁽¹⁾	IND200B107084M11	IND200B107084M01
2 000B ⁽¹⁾	IND200H107084M11	IND200H107084M01
2 500	IND250145084M11	IND250145084M01
3 000	IND300145084M11	IND300145084M01

⁽¹⁾Note : H = High version ; B = Low version.

OPTIONS

Reference	Description
KA1S	Accessories kit - DN25 safety valve calibrated at 7-bar - Brass dial thermometer 0/120 C deg - DN50 drainage valve - Air vent valve

Integrated loop heater (ILH kits for DHW cylinders)

- Additional immersion heater located in the top section of the tank (230/400 V tri-phase)
- Double unipolar safety thermostat.

Reference	Immersion heater power (kW)	Minimum diameter of tank (mm)
RBI3	3	550
RBI4	4,5	550
RBI6	6	550
RBI9	9	650
RBI12	12	800

Note : Integrated loop heater is not pre-assembled on tank.

