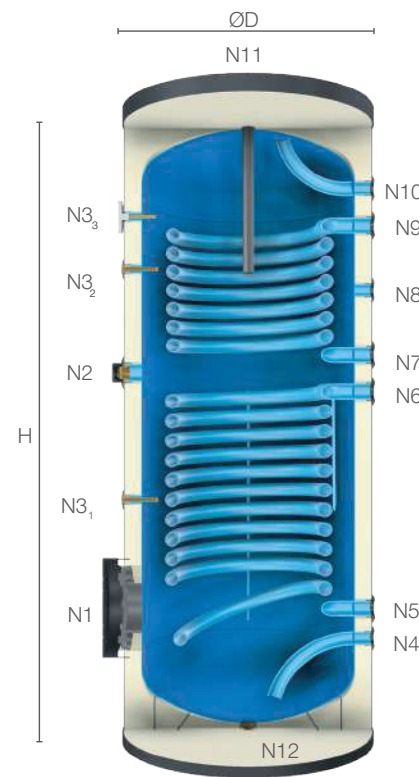


# ITALOTHERM KBD-B DOUBLE COIL WATER HEATER 800lt-3000lt



**Volume**  
800lt-3000lt

**Heat Exchanger Maximum Operating Temperature**  
110°C

**Heat Exchanger Maximum Operating Pressure**  
10 bar

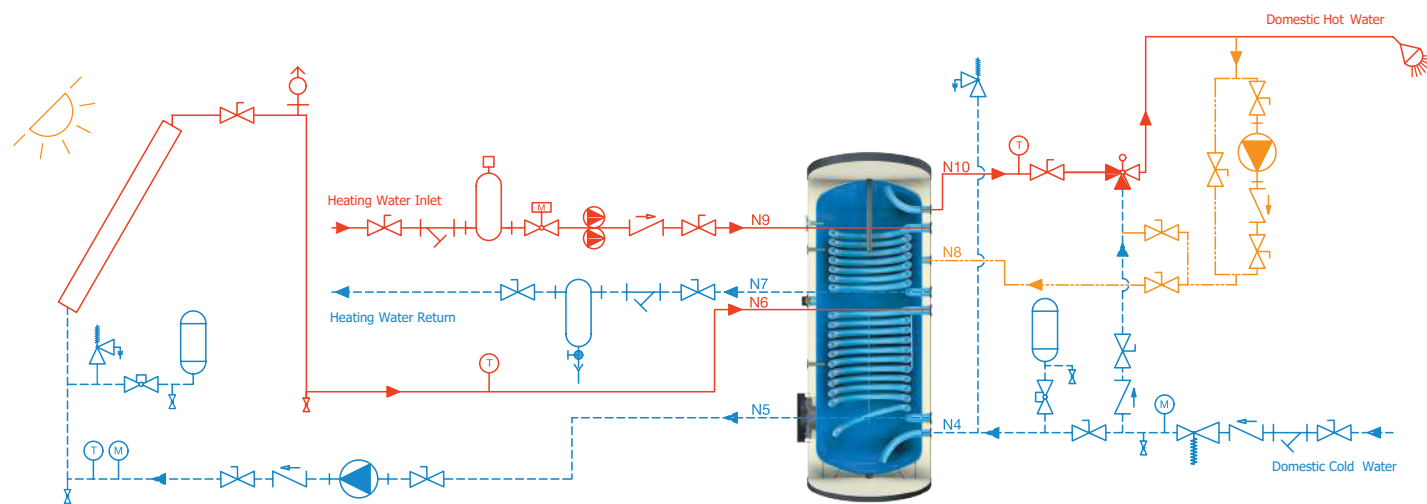
**Domestic Hot Water Maximum Operating Temperature**  
95°C

**Domestic Hot Water Maximum Operating Pressure**  
10 bar

**Inner Surface Coating**  
Tank inner surface is enamelled (glass-lined) in accordance with DIN 4753-3 standard.

Manufactured in accordance with 2014/68/EU Pressure Equipment Directive, TS EN 13445-3, TS736 and TS EN 12897 standards.

## INSTALLATION DIAGRAM



Relief valves with membrane should be installed at higher level than top of the tank. Thus it is protected against high temperature and calcification and it is not necessary to discharge the tank when working on the relief valve.

The installation diagram shown above is just an example. The installation must be done according to updated standards and instructions.

ItaloTherm Double Coil Water Heater		800lt-1000lt	1500lt-2000lt	2500lt-3000lt
INSULATION	PU- 42kg/m3 HCFC-free polyurethane in accordance with the 814/2013 EU ErP Commission Regulations and TS EN 12897 Standards	x	x	x
	Soft PU- 15 kg/m3 soft polyurethane	STD/80 mm	STD/80 mm	STD/80 mm
	Soft PU- 26 kg/m3 flame retardant soft polyurethane	OPS/80 mm	OPS/80 mm	OPS/80 mm
COATING	Izomax- 50kg/m3 insulation with d0 fire class as well as with BL-S3 compatible with the ErP regulations following the 814/2013 EU Commission Regulations and TS EN 12897 Standards	x	x	x
	Blueshell- Recyclable polyethylene cover that provides heat-saving	x	x	x
	Vinleks- Artificial Leather	STD	STD	STD
EQUIPMENT	Izoqua- Waterproof PVC unit which is suitable for exterior usage. (Offered optionally with the izomax insulation application)	OPS	OPS	OPS
	Thermometer (0°C- 120°C)	STD/Ø100	STD/Ø100	STD/Ø100
	Sensor Tube	STD/1/2" 2 pieces	STD/1/2" 2 pieces	STD/1/2" 2 pieces
	Cleaning & Control Flange	STD/Ø125 mm	STD/Ø125 mm	STD/Ø125 mm
CATHODIC PROTECTION	Electric Heater	OPS/2"	OPS/2"	OPS/2"
	Magnesium Anode	STD	STD	STD
CARRIER ELEMENT	Electronic Anode	OPS	OPS	OPS
	Steel leg system mounted on a palette from 3 different locations	STD	STD-x	x
	Circle steel leg system that provides circular floor contact	x	x-STD	STD

STD: Abbreviation for spare parts and equipments which belong to the standard products.  
OPS: Abbreviation for the optional spare parts and equipments for non-standard products.

Description	Code	Unit	IT-800G2	IT-1000G2	IT-1500G2	IT-2000G2	IT-2500G2	IT-3000G2
Capacity	V	lt	800	1000	1500	2000	2500	3000
Insulation Type & Thickness	i	mm	SPU/80	SPU/80	SPU/80	SPU/80	SPU/80	SPU/80
Diameter	ØD	mm	910	1010	1120	1310	1460	1460
Height	H	mm	2110	2070	2375	2280	2160	2580
Cleaning & Control Flange Diameter	N1	mm	Ø125	Ø125	Ø125	Ø125	Ø125	Ø125
Electric Heater Connection	N2	inch	2"	2"	2"	2"	2"	2"
Thermometer / Steel Sensor Tube Connections	N3	inch	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Domestic Cold Water Inlet Connection Connections Diameter	N4	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Lower Heat Exchanger (Serpentine) Inlet/Outlet Connections	N5-N6	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Upper Heat Exchanger (Serpentine) Inlet/Outlet Connections	N7-N9	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Circulation Return Connection	N8	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Domestic Hot Water Outlet Connection	N10	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"
Magnesium Anode Connection	N11	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Blind Connection	N12	inch	1 1/4"	1 1/4"	2"	2"	2"	2"
Lower Heat Exchanger (Coil) Surface Area	A	m <sup>2</sup>	2,85	2,85	3,49	4,50	5,78	6,57
Upper Heat Exchanger (Coil) Surface Area	A	m <sup>2</sup>	1,46	1,46	1,46	2,21	2,62	3,02
Gross Weight	G	kg	265	285	365	517	702	780
Tilt Height	R	mm	2300	2305	2625	2630	2610	2965