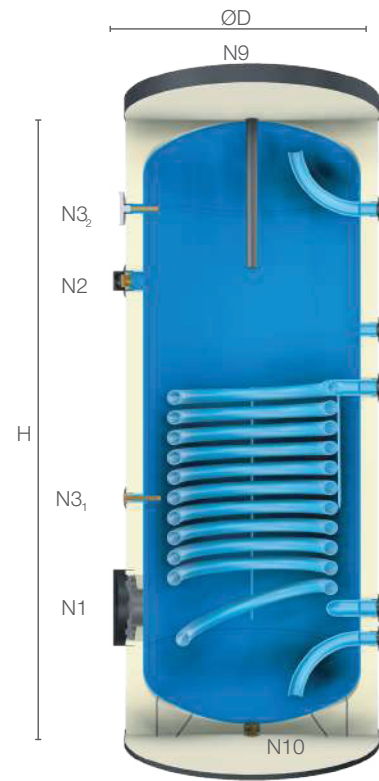


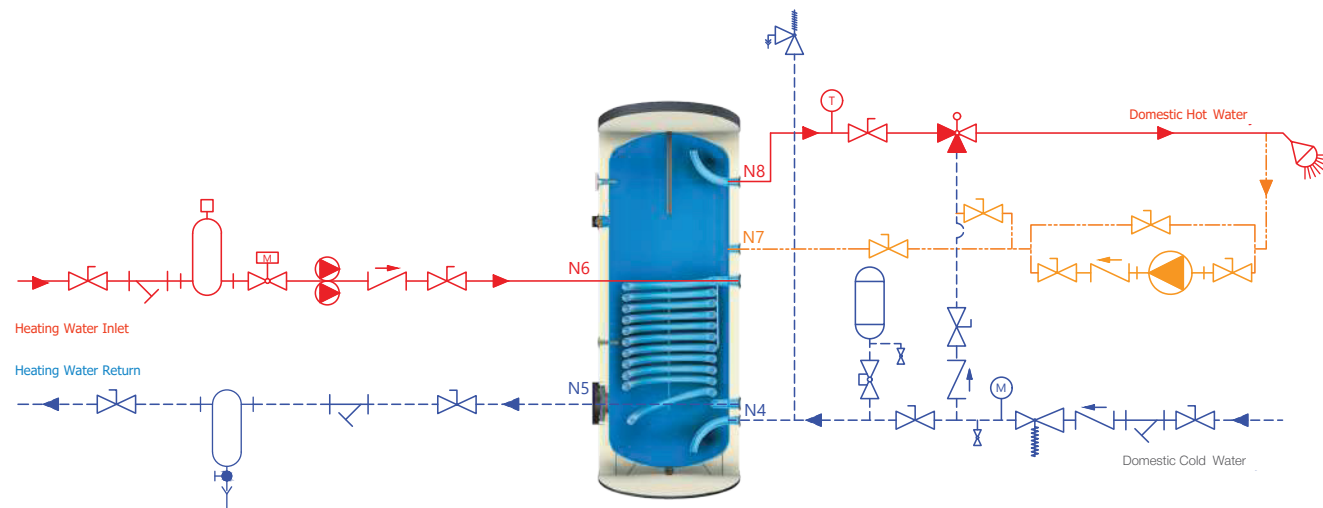
# ITALOTHERM KBS-B SINGLE COIL WATER HEATER 100lt-500lt



- Volume**  
100lt - 500lt
- 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**  
6 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 Single Coil Water Heater		100lt-500lt
INSULATION	PU- 42kg/m3 HCFC-free polyurethane in accordance with the 814/2013 EU ErP Commission Regulations and TS EN 12897 Standards	STD/50 mm
	Soft PU- 15 kg/m3 soft polyurethane	x
	Soft PU- 26 kg/m3 flame retardant soft polyurethane	x
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
	Blueshell- Recyclable polyethylene cover that provides heat-saving	STD
	Vinleks- Artificial Leather	x
EQUIPMENT	Izoqua- Waterproof PVC unit which is suitable for exterior usage. (Offered optionally with the izomax insulation application)	x
	Thermometer (0°C- 120°C)	STD/Ø63
	Sensor Tube	STD/ ½" 1 pieces
	Cleaning & Control Flange	STD/Ø100 mm
CARRIER ELEMENT	Electric Heater	OPS/1 ½"
	Magnesium Anode	STD
CATHODIC PROTECTION	Electronic Anode	OPS
	Steel leg system mounted on a palette from 3 different locations	STD
CARRIER ELEMENT	Circle steel leg system that provides circular floor contact	x

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-100	IT-160	IT-200	IT-300	IT-500
Capacity	V	lt	100	160	200	300	500
Insulation Type & Thickness	i	mm	PU/50	PU/50	PU/50	PU/50	PU/50
Diameter	ØD	mm	480	580	580	580	740
Height	H	mm	1065	1095	1300	1830	1830
Cleaning & Control Flange Diameter	N1	mm	Ø100	Ø100	Ø100	Ø100	Ø100
Electric Heater Connection	N2	inch	1½"	1½"	1½"	1½"	1½"
Thermometer / Steel Sensor Tube Connections	N3	inch	½"	½"	½"	½"	½"
Domestic Cold Water Inlet Connection	N4	inch	¾"	¾"	¾"	¾"	1"
Heat Exchanger (Coil) Inlet/Outlet Connections	N5-N6	inch	1"	1"	1"	1"	1"
Circulation Return Connection	N7	inch	¾"	¾"	¾"	¾"	¾"
Domestic Hot Water Outlet Connection	N8	inch	¾"	¾"	¾"	¾"	1"
Magnesium Anode Connection	N9	inch	1¼"	1¼"	1¼"	1¼"	1¼"
Blind Connection	N10	inch	1¼"	1¼"	1¼"	1¼"	1¼"
Heat Exchanger (Coil) Surface Area	A	m²	0,40	0,44	0,55	0,88	1,14
Gross Weight	G	kg	52	68	76	98	140
Tilt Height	R	mm	1170	1240	1425	1920	1975