

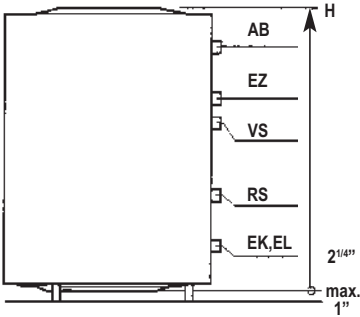
**Indirect Fired  
Thermoglaze Storage  
Water Heaters  
“TBS-Isocal,  
S, ST, L and LT”**



**Buderus**

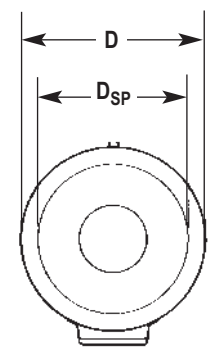
**Domestic Hot Water Tanks**

# "TBS-Isocal®" S120....ST1000

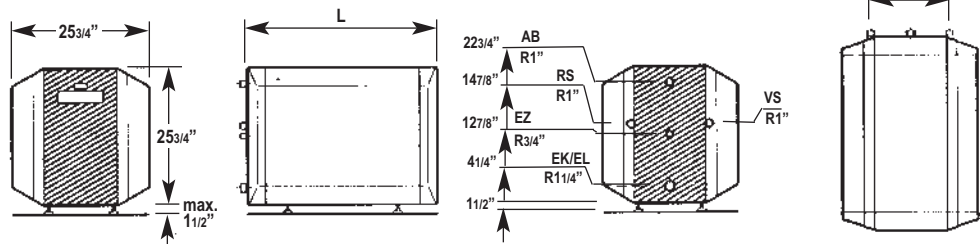


Screw-on feet supplied with SU, smaller ST models, L and LT tanks. Legs supplied with larger ST tanks.

Domestic hot water outlet	AB	S120 ST150-ST300 ST400-ST750 ST1000 All L/LT models	3/4" 1" 1 1/4" 1 1/2" 1"
P&T/Recirculation return	EZ	All models	3/4"
Boiler water supply	VS	S120 ST150-ST300 ST400-ST1000 All L/LT models	3/4" 1" 1 1/4" 1"
Boiler water return	RS	S120 ST150-ST300 ST400-ST1000 All L/LT models	3/4" 1" 1 1/4" 1"
Cold water feed/ Domestic hot water drain	EK/EL	S120 ST150-ST750 ST1000 All L/LT models	3/4" 1 1/4" 1 1/2" 1 1/4"



# "TBS-Isocal®" L135....LT300



L models designed for stacking G124X gas boilers. LT models designed for stacking G115 oil boilers.

## Technical Data "TBS Isocal®" S, ST, L and LT

MODEL		DIMENSIONS			Boiler Water Temp °F.	Continuous Rating (2nd hour)		BOILER WATER FLOW RATE Gal/Min	COIL PRESSURE DROP feet of head	WEIGHT approx. lbs.**
"TBS-Isocal"	Contents Gallons	D	H†	D <sub>sp</sub>		Inlet Temp. = 50 °F	Outlet Temp. = 140 °F			
Vertical Models										
S-120	32	20	37	***	194	155	116,000	9.5	6.5	158
ST-150	40	27 1/4	34 5/8*	***	194	159	119,000	15.9	3.9	238
ST-200	53	27 1/4	42 5/16*	***	194	199	149,000	17.6	4.3	286
ST-300	79	27 1/4	57 11/16*	***	194	290	218,000	22.0	8.4	371
ST-400	103	31 7/8	61	33 1/2	194	250	194,000	26.4	11.4	407
ST-500	129	39 3/8	73	33 1/2	194	306	235,000	24.2	11.4	486
ST-750	194	39 3/8	73	39 1/4	194	402	309,000	22.0	11.7	702
ST-1000	258	43 1/4	75 1/2	43 1/4	194	497	383,000	19.8	12.0	893
Horizontal Models										
L-135	36	25 3/4	25 3/4	32	194	97	73,000	15.4	2.7	189
L-160	42	25 3/4	25 3/4	36 1/4	194	124	93,000	15.4	3.1	220
L-200	53	25 3/4	25 3/4	42 7/16	194	145	109,000	17.6	4.4	246
LT-135	36	25 3/4	25 3/4	32	194	97	73,000	15.4	2.7	189
LT-160	42	25 3/4	25 3/4	36 1/4	194	124	93,000	15.4	3.1	220
LT-200	53	25 3/4	25 3/4	42 7/16	194	145	109,000	17.6	4.4	246
LT-300	79	25 3/4	25 3/4	57 3/4	194	215	161,000	22.1	8.0	363

## Advantages of Buderus Thermoglaze® Insulated Hot Water Tanks

- Constantly available hot water at the turn of a tap.
- High density fluoro-carbon free bonded foam insulation for better maintenance of stored hot water temperature.
- Economical—better insulation, optional recirculation of hot water back to the heater.
- Large surface area heat exchanger for excellent recovery rates. Heat exchanger size increases with tank volume.
- Corrosion Protection—the Buderus Thermoglaze® process protects the interior of the tank from corrosion caused by most types of water. Thermoglaze® is a homogeneous, permanent protective coating, bonded to the interior of the metal tank.
- Easy access cover for cleaning of coil and tank interior.
- Standard Magnesium anode rod for active corrosion protection.
- ST models standard with electric anode.
- Horizontal tanks for small footprint, vertical tanks for improved recovery rates.
- No aquastat included.
- Logamatic or SP30D priority control available through Buderus.
- Tanks adapt to L4006. (Not available through Buderus).

\* Excluding screw-on feet.  
 \*\* All weights are 5% higher with packing material.  
 \*\*\*S120, ST150-ST300, all L and LT models: Residential Tanks are delivered with outer jacket installed. Interior dimensions are not applicable. Large ST models: Jackets and insulation packaged separately.  
 † Required boiler output to achieve stated continuous ratings. Size pump in order to get rated tank outputs.  
 †† Allow 15" above tank for anode rod removal.

## Application "TBS-Isocal®" S, ST, L and LT

Models	Heating Medium	Boiler Water (coil)		Domestic Hot Water (Tank)	
		Max. Pressure psi	Max. Temperature °F	Max. Pressure psi	Max. Temperature °F
S, ST, L and LT	Hot Water	362	320	150	200



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