

TS HOT WATER STORAGE TANKS  
84 TO 10,000 LITRES

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### 84 TO 10,000 LITRES

Simons Premium Range Duplex Storage Tanks are manufactured from grade 2205 Duplex Stainless Steel offering the best strength and corrosion resistance.

#### FEATURES

- **Manufactured from Grade 2205 Duplex Stainless Steel**, offering the best strength and corrosion resistance.
- **Slimline range of storage tanks**, (675 diameter to easily fit through doorways) made especially for those difficult to fit and install locations.
- **Storage** to suit direct heating - gas boiler or solar storage.
- **Commercial industrial quality**, cased and insulated storage vessels.
- **Hot water buffer tanks** - 20 year warranty.
- **Mains**, pressure storage - Grade 2205.
- **Relief** operating pressure 700kPA.
- **Max inlet** pressure 560kPA
- **Supplied with** high output pressure temperature relief valve(s).
- **Larger volume** of both configuration available price on application and design.

#### BENEFITS

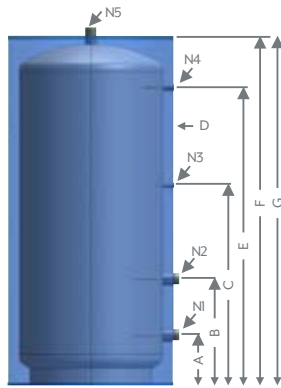
- Full 20 year warranty on the internal duplex stainless steel tank - warranty applies for tank component only.
- Standard sizes range from 84 to 10,000 litres of capacities
- Simons Boiler can manufacture any custom size up to 30,000 litres per your specification

#### APPLICATIONS

- Dairy & Beverage
- Mining
- Rail & Transport
- Marine & Leisure
- Hotels & Apartment Buildings
- Food & Bakery
- Supermarkets
- Chemical, Petroleum & Gas
- Paper & Pulp
- Hospitals
- Aged Care Facilities
- Pharmaceutical

## TS RANGE

## REFERENCE DRAWING



## STORAGE UNIT DESIGN SPECIFICATIONS

DESIGN STANDARD	AS1210 - 2010, AS3498 WATERMARK
DESIGN OPERATING PRESSURE	0 - 700kPa
DESIGN RELIEF VALVE SETTING	700kPa
DESIGNED INLET PRESSURE	MAX 560kPa
HYDROSTATIC TEST PRESSURE	1050kPa
DESIGN TEMPERATURE	90°C
TANK SHELL GRADE	2205
TANK ENDS GRADE	2205
INSULATION	ROCKWOOL
OUTER CASING	METALLIC SILVER COLORBOND
VESSELS EXCEEDING 1000L INCLUDE BOLT DOWN LEGS, FOOT PADS, AND LIFTING LUGS AS STANDARD	

MODEL	CAPACITY	CASE HEIGHT	CASE DIAMETER	MODEL	CAPACITY	CASE HEIGHT	CASE DIAMETER
<b>TSRANGE</b>	<b>Litres</b>	<b>mm</b>	<b>mm</b>	<b>TSRANGE</b>	<b>Litres</b>	<b>mm</b>	<b>mm</b>
TS-80	84	980	470	TS-2000	2005	2550	1180
TS-100	100	1145	470	TS-2000-H	2005	1185*	2250 LENGTH
TS-130	134	1480	470	TS- 2400	2400	2525	1185
TS-160	160	1730	470	TS- 2500	2540	2600	1325
TS-260-T	266	2225	520	TS- 3000	3000	2650	1500
TS-280	285	1085	775	TS-4000	4100	2700	1630
TS-330	329	1535	675	TS- 4000-H	4003	1185*	4600 LENGTH
TS-360	362	1335	775	TS- 5000	5000	2850	1750
TS-405	400	1785	675	TS- 5000	5000	2550	1850
TS-440	440	1585	775	TS- 5000-H	5000	1345*	4600 LENGTH
TS-520	518	1835	775	TS- 6500	6500	3350	1950
TS-660	657	1650	900	TS- 7500	7540	3350	1950
TS-680-T	675	2335	775	TS- 7500H	7500	1600*	4650 LENGTH
TS-800	795	1895	900	TS-10000	10100	3000	2150
TS-1000	1008	2380	900	TS-10000-H	10000	1840*	4700 LENGTH
TS-1500	1504	2430	1050				

'H' suffix denotes horizontal configuration \* - add 250mm to height for horizontal configurations vertical vessels 1500 litre capacity add 320mm to height

## DIMENSIONS

SIZE	CONNECTION	TS-280	TS-330	TS-360	TS-405	TS-440	TS-520	TS-660	TS-680	TS-800	TS-1000
CAPACITY		284	329	362	400	440	518	654	675	795	1008
A	DN50.2" BSP MALE	N1 INLET	225	200	225	200	225	225	260	225	260
B	DN50.2" BSP MALE	N2 RETURN	525	500	525	500	525	525	560	525	560
C	DN1.5" BSP SOCKET	N3 TEMP	675	850	700	1000	850	1000	850	1100	1000
E	DN2.5" BSP SOCKET	N4 PTR VALVE	855	1330	1105	1580	1355	1605	1382	2105	1632
G	DN50.2" BSP MALE	Hgt N5 OUTLET	1125	1565	1375	1815	1625	1875	1680	2375	1930
F	CASE TOP HEIGHT	OUTER CASING	1085	1530	1335	1780	1585	1835	1650	2335	1900
D	CASE OD DIAMETER	OUTER CASING	755	675	755	675	755	755	900	755	900
WEIGHT (FULL)	Cased & Insulated		364	421	460	498	547	639	790	753	1086
WEIGHT (EMPTY)	Cased & Insulated		80	92	98	98	107	121	136	78	78

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