



- ITEM NO. DESCRIPTION:**
- 1 AUXILIARY PORT
 - 2 SECONDARY RETURN
 - 3 DESTRATIFICATION
 - 4 INLET
 - 5 IMMERSION HEATER (NOT FITTED UNLESS REQUESTED BY CLIENT)
 - 6 OUTLET
 - 7 TEMPERATURE & PRESSURE RELIEF
 - 8 PRIMARY COIL CONNECTION
 - 9 SOLAR COIL CONNECTION
 - 10 SOLAR SENSOR POCKET

OPTIONAL PARTS (PLEASE SPECIFY)	SIZE	QTY.	REQ'D
T & P VALVE	3/4" BSP, 7 BAR, 90 DEG.C	1	fitted
TUNDISH	22MM x 28MM		
PRESSURE REDUCING VALVE	SIZE TO SUIT ITEM 4 (INLET)		
SAFETY RELIEF VALVE	SIZE TO SUIT ITEM 4 (INLET)		
EXPANSION VESSEL	SIZE TO SUIT 65°C MAX TEMP		
THERMOMETER	1/2" BSP		
IMMERSION HEATER	2 1/4" BSP		

NOTE - pressure drop in coil does not exceed 0.3bar at a flow rate of 20 l/min

VESSEL VOLUME (L)	MAX WORKING PRESSURE (BAR)	DIMENSIONS (mm)										CONNECTION SIZES (FEMALE BSP THREAD OR STUB)										PRIMARY DN25 COIL SURFACE AREA (M ²)	DN25 SOLAR COIL SURFACE AREA (M ²)	APPROX UNLADEN WEIGHT (KG)
		A	B	C	D	E	F	G	1	2	3	4	5	6	7	8	9	10						
400	6	750	1430	286	736	244	225	225	1/2"	3/4"	1"	2 1/4"	1"	3/4"	028	028	1/2"	1	1	95				
500	6	750	1715	286	878	244	225	225	1/2"	3/4"	1"	2 1/4"	1"	3/4"	028	028	1/2"	1	1	105				
575	6	750	1930	286	986	244	225	225	1/2"	3/4"	1"	2 1/4"	1"	3/4"	028	028	1/2"	1	1	115				
680	6	750	2250	286	1146	244	225	225	1/2"	3/4"	1"	2 1/4"	1"	3/4"	028	028	1/2"	1	1	125				
810	6	990	1550	347	800	293	180	135	1/2"	3/4"	1 1/2"	2 1/4"	1 1/2"	3/4"	028	028	1/2"	1	1	155				
840	6	750	2745	286	1393	244	315	225	1/2"	3/4"	1 1/2"	2 1/4"	1 1/2"	3/4"	028	028	1/2"	1	1	155				
965	6	990	1800	347	923	293	270	135	1/2"	3/4"	1 1/2"	2 1/4"	1 1/2"	3/4"	028	028	1/2"	1	1	170				
1125	6	990	2040	347	1047	293	270	135	1/2"	3/4"	1 1/2"	2 1/4"	1 1/2"	3/4"	028	028	1/2"	1	1	190				
1380	6	1090	2065	360	1060	305	315	180	1/2"	3/4"	1 1/2"	2 1/4"	1 1/2"	3/4"	028	028	1/2"	1	1	240				
1775	6	1090	2550	360	1300	305	360	225	1/2"	3/4"	1 1/2"	2 1/4"	1 1/2"	3/4"	028	028	1/2"	2	2	280				
1875	6	1290	2000	469	1026	413	315	225	1/2"	3/4"	2"	2 1/4"	2"	3/4"	035	028	1/2"	2.5	3	3.5				
2155	6	1290	2280	469	1169	413	360	225	1/2"	3/4"	2"	2 1/4"	2"	3/4"	035	028	1/2"	2.5	4	3.15				
2500	6	1290	2550	469	1301	413	270	225	1/2"	3/4"	2"	2 1/4"	2"	3/4"	035	1 1/2"	1/2"	2.5	5 (2x2.5)	360				
3000	6	1290	2960	469	1508	413	270	270	1/2"	3/4"	2"	2 1/4"	2"	3/4"	035	1 1/2"	1/2"	3	5 (2x2.5)	420				

GENERAL NOTES:

SIDE VIEW TO BE USED IN CONJUNCTION WITH PLAN VIEW.

CONSTRUCTION:
 INNER VESSEL MATERIAL: LDX 2101
 OUTER CLADDING MATERIAL: PLASTISOL (WHITE)
 UNIT THERMALLY INSULATED WITH POLYURETHANE CONNECTIONS: LDX 2101

CONNECTION BOSSES TO PROJECT APPROX 5MM FROM CLADDING.
 T & P VALVE, THERMOMETER & DRAIN BOSSES TO BE BS21 TAPER FEMALE THREADS.
 SHELLS & ENDS DESIGNED TO GOOD ENGINEERING PRACTICE.

DESIGN LIMITATIONS:
 MAX WORKING PRESSURE: VARIES - SEE TABLE ON RIGHT
 DESIGN TEMPERATURE: 100°C
 HYDRAULIC TEST PRESSURE: 9 BAR

E 1/2" SENSOR POCKET ADDED TO UPPER COIL. **DC** 09-04-14

ISSUED TO:	BY:	DATE:	PART NO.:
MATERIAL:	DC	CHECKED BY:	DATE:
ITEM:	QTY REQ'D:	DRAWN BY:	DATE:
TOLERANCES:	WHOLE NUMBER - ±1.0	2 DECIMAL PLACES - ±0.1	SCALE:
	1 DECIMAL PLACE - ±0.3	ANGLES - ±0.5°	NTS

STOKVIS ENERGY SYSTEMS

TITLE: TWIN COIL SOLAR RANGE (STOKVIS BOILERS)

DRG NO: WI-3885

SHEET: .

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