



DIRECT STEAM TRI-LEG KETTLE



Model	Capacity	
TTDL-20	20 Gallon	76 Liter
TTDL-30	30 Gallon	114 Liter
TTDL-40	40 Gallon	151 Liter
TTDL-60	60 Gallon	227 Liter
TTDL-80	80 Gallon	303 Liter
TTDL-100	100 Gallon	379 Liter

OPERATION SHALL BE BY:

Direct steam at a minimum of 5 PSI (34kPa) and a maximum of 30 PSI (207kPa).

OPTIONAL ITEMS AT EXTRA COST:

- 50 PSI (345kPa) high pressure operation for higher cooking temperature for 20 to 100 gallon
- 3" (76 mm) draw off valve (TVS-
- 3) 2" (50 mm) dairy valve
- (DDO-2)
- 3" (76 mm) dairy valve (DDO-3)
- Spring assist cover on 20 to 40 gallon kettles
- (SA-1) Single pantry faucet with swing spout
- (SF-12) Double pantry faucet with swing spout
- (DF-12) Two piece hinged cover (TPHC)

ACCESSORIES:

- Triple basket assembly (TBA-)
- Steam trap assembly (consisting of steam trap, steam control valve, check valve and line strainer (STA-1)
- Perforated strainer for draw off valve
- (TPS-) Solid disc for draw off valve
- (TSS-) Graduated measuring strip (GMS-)
- Draw off valve hose kit with 8' hose (DVHK-2)

SPECIFICATIONS:

Shall be a Solaris Model _____, direct steam connected tri-leg kettle. A double wall kettle interior shall form a steam jacket around the lower 2/3 of the kettle. The bottom of the kettle shall be of hemispherical design for superior heat circulation.

Unit shall be mounted on stainless steel tubular tri-legs. Each leg shall be fitted with a 4 hole adjustable flanged foot for securing to the floor.

Construction shall be all welded satin finish stainless steel, type 304. The liner on models 20 through 40 gallon shall be standard 316 for high acid content cooking.

Convenience features shall include 2" (50mm) sanitary draw-off valve, 20 through 40 gallon models are supplied with a hinged counterbalanced stainless steel domed cover. The 60 through 100 gallon models are supplied with a spring assist hinged stainless steel domed cover.

HEAVY DUTY STEAM





DETAILS AND DIMENSIONS

SERVICE CONNECTIONS

<p>Steam supply: 3/4" IPS 5-30 psi (34-205 kPa). Optional 5-45 psi (34-310 kPa).*</p> <p>Condensate return: 1/2" IPS</p>
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DIMENSIONS

MODEL	CAPACITY		A	B	C	D	E	F(2")	F(3")	G(2")	G(3")	H	J	K
TTDL-20	20 U.S.gal. 76 liters	inches	21	18	37	22.75	16	12.75	14	17	16.5	25.88	59.75	17.5
		mm	533	457	940	578	406	324	356	432	419	657	1518	445
TTDL-30	30 U.S.gal. 114 liters	inches	24	20	37	25.88	17.5	13.5	15.25	15	14.5	26.88	62.88	20.5
		mm	610	508	940	657	445	343	387	381	368	683	1597	521
TTDL-40	40 U.S.gal. 152 liters	inches	26	22.5	37	27.88	18.5	14.25	16.5	12.5	12	23.88	64.88	22.5
		mm	660	572	940	708	470	362	419	318	305	606	1648	572
TTDL-60	60 U.S.gal. 227 liters	inches	29.5	26	40.5	31.38	17.75	15.5	17.25	12.5	12	24.69	72.88	25.75
		mm	749	660	1029	797	451	394	438	318	305	627	1851	654
TTDL-80	80 U.S.gal. 303 liters	inches	33	28	42.5	34.75	19.5	17.5	19.25	10.5	10	23.88	75.25	29.25
		mm	838	711	1080	883	495	445	489	267	254	606	1911	743
TTDL-100	100 U.S.gal. 379 liters	inches	35.5	30	44.5	37.25	20.75	17	19.25	12.5	12	26.63	81.75	31.75
		mm	902	762	1130	946	527	432	489	318	305	676	2076	806

* Pressure reducing valve is required if incoming pressure exceeds 50 PSI (345 kPa).

FLANGED FOOT DETAIL
4 EQUALLY SPACED
Ø7/16" [11mm] HOLES
ON 3" [76mm] B.C.

FRONT

45°

WALL

SAFETY RELIEF VALVE

2" VALVE:
CLOSED 5.13" [130mm]
OPENED 6.88" [175mm]

3" VALVE:
CLOSED 7.88" [200mm]
OPENED 10.13" [257mm]

OPTIONAL FAUCET
ALLOW DIMENSION "D"
ADDITIONAL 6" [152mm]

MODEL	SHIPPING WT.	SPRING ASSIST HINGES MIN. CLEARANCE	
TTDL-20	155 lbs. [70 kg]	SIDES	3 [76mm]
TTDL-30	180 lbs. [82 kg]		
TTDL-40	190 lbs. [86 kg]		
TTDL-60	265 lbs. [120 kg]		
TTDL-80	308 lbs. [140 kg]		
TTDL-100	360 lbs. [163 kg]	BACK	0.50 [13mm]

YOKE TYPE HINGES MIN. CLEARANCE		
MODEL	SIDES	BACK
TTDL-20/30/40/60	3 [76mm]	5 [127mm]
TTDL-80/100	3 [76mm]	6 [152mm]

SPRING ASSIST HINGES ON 60, 80 AND 100 GALLON KETTLES

2-1/2" ON SPRING ASSIST HINGES

7" ON YOKE TYPE HINGES (STANDARD ON 20-40 GALLON KETTLES)

IN [mm]

2621R4