CLEVELAND

Project _____

Item _____

Quantity _____

FCSI Section 11400 _____

Approved _____

Date _____

TRI-LEG, ELECTRIC KETTLES

TILTING, "SPLASH PROOF SERIES", SELF-CONTAINED, 2/3 STEAM JACKETED, 25, 40, 60, 80 OR 100 GALLONS (100, 150, 225, 300 OR 375 LITERS)

Models

- KEL-25-T
- KEL-40-T
- KEL-60-T
- KEL-80-T
- KEL-100-T

Shown with standard controls and optional - spring-assisted cover & 2" tangent draw-off valve

Shown with optional - easyDial controls, spring-assisted cover & heat deflection shield

Short Form Specifications

Shall be CLEVELAND, Electric Kettle, leg mounted, self-contained, tilting, Model KEL - _____ - T; _____ gallons, 2/3 Steam Jacketed. Type 316 Stainless Steel Kettle Interior. 50 psi Steam Jacket Rating, 50 psi Safety Valve, Permanently filled Steam Jacket, Combination Pressure/Vacuum Jacket Gauge. Splash Proof Solid State Temperature (±1° C) and Safety Control System in plug-in Module including L.E.D. indicators.

Standard Features

- Self-contained, easily installed - needs only an electrical hook-up
- Steam jacket filled with treated water, venting and/or refilling is not required
- Accurate, consistant solid state temperature controls - less than ±1°C variance (ideal for simmering). Operating temperature range from 145° - 260°F (63°C - 127°C)
  Standard Control Panel includes:
  - LED indicator for heat cycle • LED indicator for low water
  - Power ON/OFF Dial with 1-10 Temperature Dial Setting

  easyDial Control Panel (optional) includes:
  - Adjustable Temperature Control (C&F) • 99 Minute Adjustable Timer Setting • 3 Cooking Models, Cook/Simmer, Cook/On, Cook Off • 6-Built In Self Diagnostics & Display Readout • Core Temperature Probe (Optional)
- 316 Stainless Steel Kettle Interior
- Water resistant controls, splash-proof construction
- Large pouring lip for high capacity and chunky products
- Re-inforced rolled rim design prevents damage to kettle rim, eliminates "bar rim designs"
- Welded-in heating elements, (holds vacuum better, won't leak or loose water)
- Easily cleaned: kettle and all exterior surfaces are of type 304 stainless steel with an #4 finish
- Rear mounted easy access pressure gauge and pressure relief valve to prevent tampering. Color coded easy to read pressure gauge with "green" and "vent air zone"
- 50 psi steam jacket rating for higher cooking temperatures
- Solid state water level control (no sight glass gauge to break or leak)
- Splash proof element cover with a double gasket seal
- Tilt mechanism of roller bearings and case hardened self-locking worm and segment gear
- 1 5/8˝ O.D. tri-leg supports with level adjustable feet for floor bolting
- Standard voltage is 208-240 volts, 60 Hz, 3-phase, 3-wire
- Typical approvals include UL., CSA, CE, NSF and ASME

Options & Accessories

- easyDial Control
- Core Temperature Probe Option
- Spring-assisted, hinged, rotatable, domed Stainless Steel Cover (CHS)
- 2˝ or 3" diameter Tangent Draw-Off Valve (TD2 or TD3*), *TD3 for 60 gallon only and will raise height of kettle by 5-5/8" (143mm)
- Hot and Cold Water Faucet with Swing Spout and Mounting Bracket (DPK and FBKT)
- Pan Carrier (PCK) • Flow Diverter (FD) • Food Strainers (FS)
- Cooking Baskets and Tri-Basket Supports (BS and TBS)
- Kettle Accessory Kit (KAK) includes:
  - Clean-up Brush (CB)
  - 36˝ Kettle Paddle (KP)
  - 36˝ Kettle Whip (KW)
  - 36˝ Kettle Brush
  - Draw-Off Brush (DB)
  - 24 oz. Ladle (KL)
- Drain Strainers (DS) • Measuring Strip (MS) • Gallon Markings (KM)
- Hot and cold or cold only Kettle Filler with 60˝ Hose (DKF-K or SKF-K)
- Swing Funnels for drain (SF)
- High Wattage (HW) & Special Voltages (see back page)
- Heat Deflector Shield (HS001)
- Correctional Packages

KE004046-61

760 Beta Drive, Unit D
Mayfield Village, Ohio 44143

Tel 1.216.481.4900
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Email steam@clevelandrange.com

www.clevelandrange.com

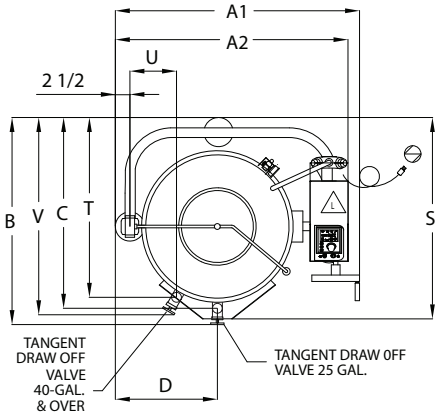
WELBILT

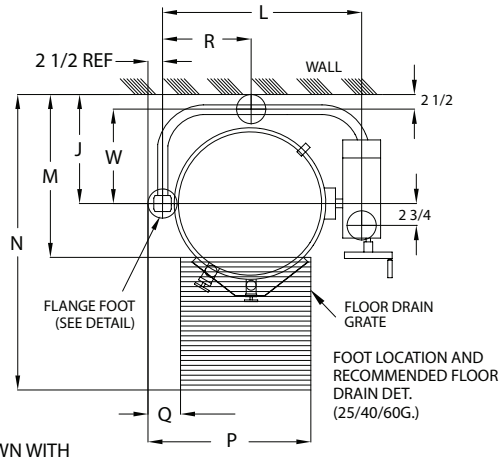
MODEL	VALVE	A1	A2	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y°	Z
KEL-25-T	NO TD	36.5	34.25	N/A	N/A	N/A	62.75	37.5	N/A	21	17	14.38	28.75	22.25	51.75	26.25	4.75	14.38	31	N/A	N/A	N/A	14.5	N/A	100	41.13
	TD-2			33.75	29.88	15.5			14.63																	
KEL-40-T	NO TD	41.5	39.38	N/A	N/A	N/A	68.5	39.5	N/A	26	20	16.94	33.75	26	56	30.38	3	16.83	37.75	N/A	N/A	N/A	17.5	N/A		41.5
	TD-2								14.63											34	5.5	37.13				42.5
KEL-60-T	NO TD	45	42.88	N/A	N/A	N/A	75.75	44.5	N/A	29.5	21.5	18.68	37.25	29.75	62.5	33.5	4	18.56	41.13	N/A	N/A	N/A	19	N/A	70	46.88
	TD-2								16.13											37	7.75	38.38				
	TD-3								15.38											37.5	7.5	40.88				
KEL-80-T	NO TD	48.5	54.13	N/A	N/A	N/A	84	47.63	N/A	33	24.25	N/A	11.38	32.5	67.38	36.63	5	N/A	48	N/A	N/A	N/A	21.5	40.75		52.13
	TD-2								17											44.63	8.63	40.25				
	TD-3								16.25											45	8.38	42.75				
KEL-100-T	NO TD	51	56.63	N/A	N/A	N/A	89.88	48.88	N/A	35.5	25.5	N/A	11 5/8	36	71.25	38.75	5.5	N/A	49.5	N/A	N/A	N/A	22.88	43.25		53.38
	TD-2								16.25											47	9.25	40				
	TD-3								15.5											47.63	9	42.5				

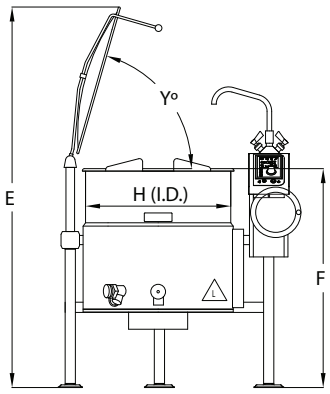
LEGEND: ALL DIMENSIONS SHOWN IN INCHES

TD-2 = 2" TANGENT DRAW-OFF VALVE
TD-3 = 3" TANGENT DRAW-OFF VALVE

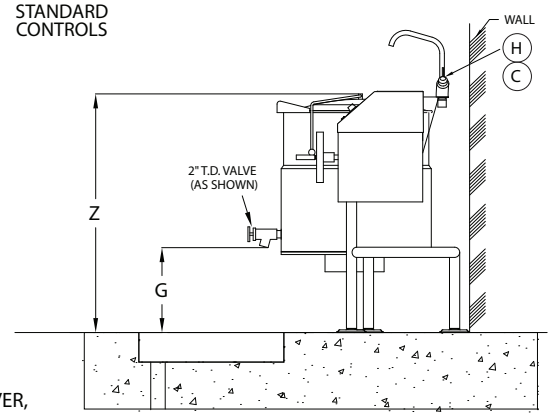
(H) HOT WATER: } PIPING: 1/2" NPT (DOUBLE)
(C) COLD WATER: } PIPING: 3/8" COPPER TUBE (SINGLE)
(When ordered with optional faucet)





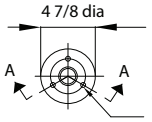


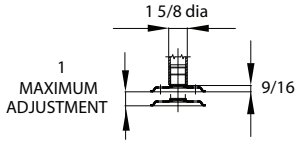
SHOWN WITH STANDARD CONTROLS



DRAWING FOR 25 , 40 AND 60 GALLON KETTLE
KETTLE SHOWN WITH OPTIONAL SPRING ASSIST COVER, WATER FAUCET AND T.D. VALVE

SEC. `A-A'
FLANGE FOOT DETAIL
(USED ON KEL-25/40/60-T)

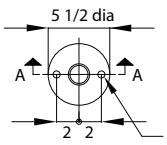


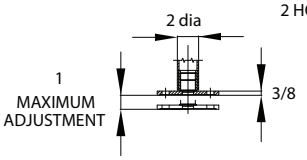


NOTE:
ALL VERTICAL DIMENSIONS SHOWN ARE MINIMUM. FEET ARE ADJUSTABLE TO 1" MAXIMUM

WARNING:
TO PREVENT INJURY KETTLE MUST BE BOLTED TO FLOOR.

SEC.`A-A'
SOLID FOOT DETAIL
(USED ON KEL-80/100-T)





NOTES:
Cleveland Range reserves right of design improvement or modification, as warranted.
Many regional, state and local codes exist and it is the responsibility of the owner and installer to comply with the codes.
Cleveland Range equipment is built to comply with applicable standards for manufacturers. Included among those approval agencies are U.L/NSF#4 and CSA (AGA, CGA).

(NOT TO SCALE)

Electric Kettles

760 Beta Drive, Unit D
Mayfield Village, Ohio 44143

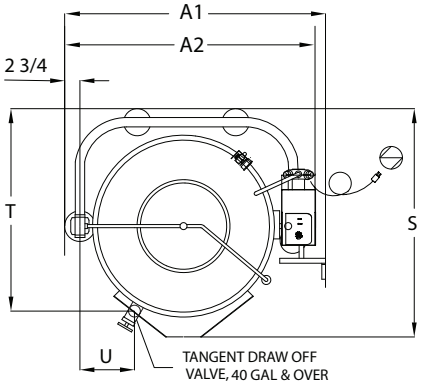
Tel 1.216.481.4900
Fax 1.216.481.3782
Email steam@clevelandrange.com

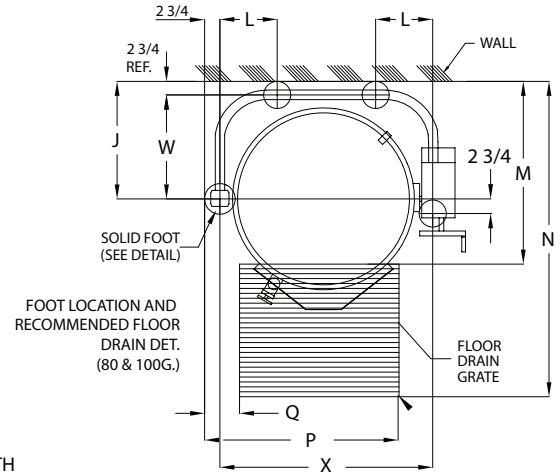
STANDARD WATTAGE

		208V			240V			415V			480V		
			AMPS	AMPS		AMPS	AMPS		AMPS	AMPS		AMPS	AMPS
GALS.	LITERS	KW	1PH	3PH	KW	1PH	3PH	KW	1PH	3PH	KW	1 PH	3PH
25	100	9.8	47.2	27.2	13.1	54.4	31.4	12.1	29.0	16.7	13.1	27.2	15.7
40	150	14.7	70.8	40.9	19.6	81.7	47.1	18.1	43.5	25.1	19.6	40.8	23.6
60	225	14.7	70.8	40.9	19.6	81.7	47.1	18.1	43.5	25.1	19.6	40.8	23.6
80	300	14.7	70.8	40.9	19.6	81.7	47.1	18.1	43.5	25.1	19.6	40.8	23.6
80	375	14.7	70.8	40.9	19.6	81.7	47.1	18.1	43.5	25.1	19.6	40.8	23.6

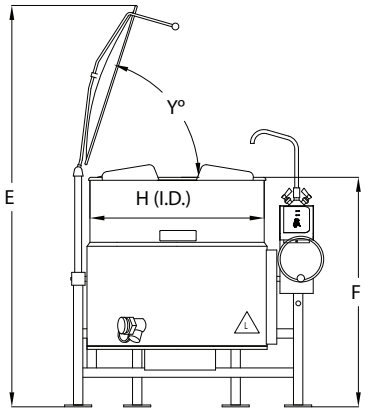
HIGH WATTAGE

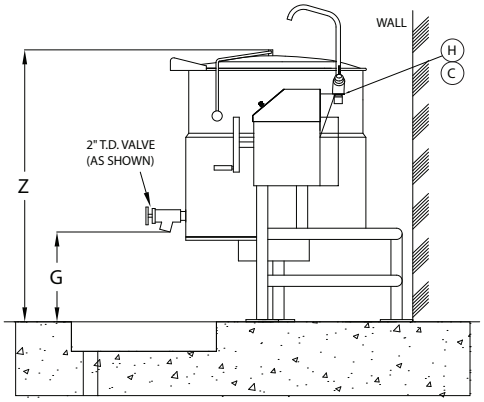
		208V			240V			415V			480V		
			AMPS	AMPS		AMPS	AMPS		AMPS	AMPS		AMPS	AMPS
GALS.	LITERS	KW	1PH	3PH	KW	1PH	3PH	KW	1PH	3PH	KW	1 PH	3PH
25	100	14.7	70.8	40.9	19.6	81.7	47.1	18.1	43.5	25.1	19.6	40.8	23.6
40	150	24.5	NA	68.1	32.7	NA	78.6	30.1	72.5	41.8	32.7	68.1	39.3
60	225	29.4	NA	81.7	39.2	NA	94.3	36.2	87.0	50.2	39.2	81.7	47.1
80	300	29.4	NA	81.7	39.2	NA	94.3	36.2	87.0	50.2	39.2	81.7	47.1
100	375	29.4	NA	81.7	39.2	NA	94.3	36.2	87.0	50.2	39.2	81.7	47.1



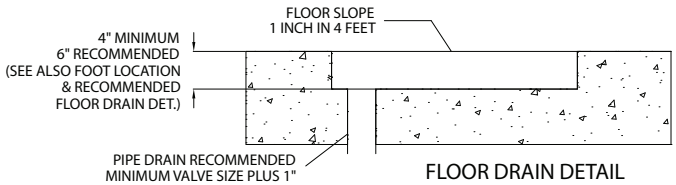


SHOWN WITH OPTIONAL EASYDIAL CONTROLS





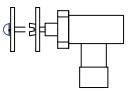
DRAWING FOR KETTLES 80 & 100 GALLON KETTLE SHOWN WITH OPTIONAL SPRING ASSIST COVER, WATER FAUCET AND T.D. VAVLE.



FLOOR DRAIN DETAIL

T.D. VALVE OPTIONS

FOR VALVES WITH ACME THREADS (TD-2A, TD-3A) AND NPT THREADS (TD-2N, TD-3N) REDUCE CLEARANCE BETWEEN VALVE OPENING AND FLOOR BY AMOUNT SHOWN.



VALVE	CLEARANCE REDUCTION
TD-2N	1 3/4
TD-3N	2 1/2
TD-2A	1/2
TD-3A	1 3/4

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(NOT TO SCALE)

Electric Kettles

CAPACITIES: (in 8 oz. servings, other sizes may be calculated)

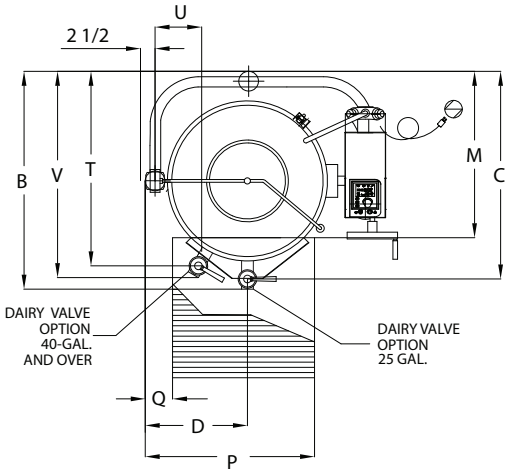
25 Gallon / 100 liters . . . 400 servings
40 Gallon / 150 liters . . . 640 servings
60 Gallon / 225 liters . . . 960 servings
80 Gallon / 300 liters . . . 1280 servings
100 Gallon / 375 liters . . . 1600 servings

SHIPPING WEIGHTS & CLEARANCES:

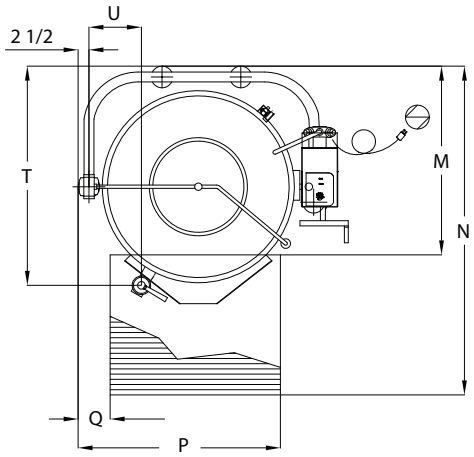
MODEL	SHIPPING WEIGHT (LBS)	CLEARANCE:
KEL-25-T	290	RIGHT: ALLOW 12" SPACE MINIMUM ON RIGHT SIDE FOR SERVICE LEFT: 0 INCHES REAR: 0 INCHES
KEL-40-T	360	
KEL-60-T	415	
KEL-80-T	470	
KEL-100-T	520	

Standard Controls

EasyDial Controls



RECOMMENDED FLOOR DRAIN DETAIL FOR 25, 40 AND 60 GALLON KETTLES WITH DAIRY VALVE OPTION



RECOMMENDED FLOOR DRAIN DETAIL FOR 80 AND 100 GALLON KETTLES WITH DAIRY VALVE OPTION

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Electric Kettles