

## LEG TYPE, GAS-FIRED KETTLES

"SPLASH PROOF SERIES" 40, 60, OR 80 GALLONS (150, 225, OR 300 LITERS)

### SHORT SERIES™ GAS-FIRED KETTLE

38" RIM HEIGHT, "SPLASH PROOF SERIES" 40 GALLONS (150 LITERS)

Project \_\_\_\_\_  
 Item \_\_\_\_\_  
 Quantity \_\_\_\_\_  
 FCSI Section 11400 \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Date \_\_\_\_\_

#### Models

- KGL-40-T
- KGL-80-T
- KGL-60-T



Shown with optional Spring Assisted Cover and 2" Tangent Draw-Off Valve

#### Short Form Specifications

Shall be CLEVELAND, Gas-Fired Tilting Kettle, Model KGL- \_\_\_\_ T; \_\_\_\_ gallons, 2/3 Steam Jacketed, Power Burner Heating System, Insulated Heat Exchanger, 50 psi Steam Jacket Rating. Infinite Variable Temperature Control, L.E.D. indicators for Heat Cycle and Low Water Warning, Automatic Ignition System.

- KGL-40-TSH



Shown with optional Spring Assisted Cover and 2" Tangent Draw-Off Valve

#### Short Form Specifications

Cleveland Gas-Fired Tilting Kettle, Model KGL-40-TSH, 37 1/2" rim height, Type 304 Stainless Steel and Supports, Fully Steam Jacketed, 50 psi Steam Jacket Rating, 140,000 BTU Double Pass Steam Generator, Power Burner System, Splash Proof Solid State Temperature Controls, Automatic Hot-Surface Ignition System.

#### Standard Features

- High efficiency Power Burner Heating System (62% to 65% efficiency)
- Fast Heat-up and Recovery Time, 140M BTU's on 40 gallon models, 190M BTU's on 60 gallon and larger
- Insulated Heat Exchanger
- Automatic Hot Surface Ignition System
- Steam Jacket permanently filled with treated, distilled water. Venting and/or refilling not required.
- Splash-proof Solid State Controls, for Temperature and Low Water Safety, in a plug-in Control Module
- Control Panel includes:
  - Precise, consistent temperature control: less than  $\pm 1^{\circ}\text{C}$  variance (ideal for simmering).
  - L.E.D. Indicators for Heat Cycle and Low Water Warning.
  - Power "on/off" Switch
- Front mounted combination Pressure/Vacuum Gauge
- Type 304 Stainless Steel with #4 finish on kettle and supports
- Tilt Mechanism of roller bearings and case hardened self-locking worm and segment gear
- Support Legs with level adjustable feet, flanged for floor bolting
- Large pouring lip for easier, faster, pouring. Heavy-duty Rolled Rim design provides strong reinforcement, prevents damages from abuse
- 50 psi Steam Jacket Rating and Safety Valve
- Standard voltage is 115 volts, 60 Hz, single-phase, supplied with cord and plug
- Standard for natural gas operation
- Typical approvals include AGA, CSA, CE, NSF and ASME

#### Options & Accessories

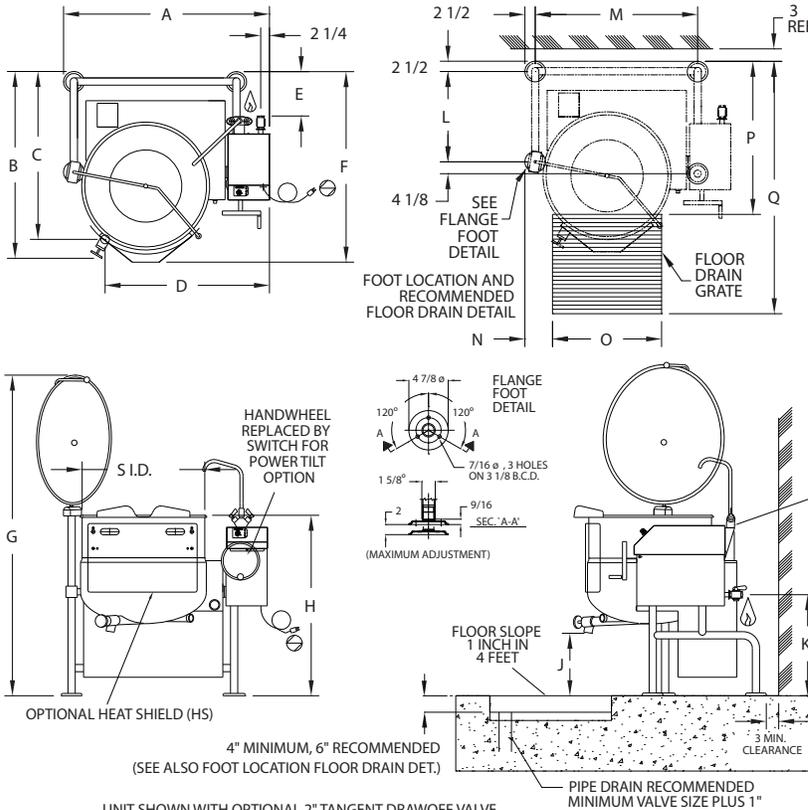
- Type 316 Stainless Steel Kettle Liner for high acid food products (316)
- Pan Carrier (PCK)
- Flow Diverter (FD)
- Food Strainer (FS)
- Kettle Markings (KM)
- Cooking Baskets and Tri-Basket Supports (BS and TBS)
- Drain Strainers (DS-)
- Faucet Mounting Bracket (FBKT)
- 2" or 3" diameter Tangent Draw-Off Valve with Drain Strainer (TD2 or TD3\*), \*TD3 for 60 and 80 gallon only and will raise height of kettle by 5-5/8" (143mm)
- 3" diameter Butterfly Valve (BV3)
- Spring-assisted, hinged, rotatable, domed Stainless Steel Cover (CHS-)
- Hot and Cold Water Faucet with Swing Spout (DPK)
- 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)
- Automatic Water Meter (GMF or LMF)
- Measuring Strip (MS)
- Option for Propane Gas operation
- Correctional Package
- Heat Deflector Shield (HS001)

KE004046-73

MODEL	VALVE	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S I.D.	T	
KGL-40-T	NONE		N/A	N/A	N/A			71	40 1/2	N/A	23 1/4			5 1/2	25					N/A	
	TD-2		42 1/2	38	35			76	45 5/8	15 1/2				4 1/2	25 3/4					N/A	
	TD-3	45 3/4	47 1/2	39 3/8	35 3/4	9	42 1/4				19			3 5/8	26 1/2					26	
	BV-3							71	40 1/2	12 1/2	23 1/4			5 1/2	25					19	
KGL-60-T	NONE		N/A	N/A	N/A			75	43 3/4	N/A	24 1/2			6	27 1/2					N/A	
	TD-2		46	41 1/2	37			80	48 1/8	18	28 7/8	22	39 3/8	5	28 1/2						29 1/2
	TD-3	49 3/8	51	43	38	11 3/4	47 1/4							6	27 1/2						22
	BV-3							75	43 3/4	12 3/4	24 1/2			6	27 1/2						7 3/4
KGL-80-T	NONE		N/A	N/A	N/A			78	44 3/4	N/A	25			6 1/2	30					N/A	
	TD-2		49	44 1/2	39			82	48 7/8	16 1/2	29 1/8	25	43	6	30 3/8						33
	TD-3	53	54 3/8	46 1/4	40 1/4	14 3/4	51							6 1/2	30						24
	BV-3							78	44 3/4	11 3/4	25			6 1/2	30						9
KGL-40-TSH	NONE		N/A	N/A	N/A			67 7/8	36 5/8	N/A	24 1/2			6	27 1/2					N/A	
	TD-2		46	41 1/2	37			72 7/8	41	18	28 7/8	22	39 3/8	5	28 1/2						29 1/2
	TD-3	49 3/8	51	43	38	11 3/4	47 1/4							6	27 1/2						22
	BV-3							67 7/8	36 5/8	12 3/4	24 1/2			6	27 1/2						7 3/4

LEGEND: TD-2 = 2" TANGENT DRAWOFF VALVE, TD-3 = 3" TANGENT DRAWOFF VALVE, BV-3 = 3" BUTTERFLY VALVE, FPVA-3 = 3" AIR VALVE

ALL DIMENSIONS IN INCHES.



**SPECIFICATIONS:**

MODEL	ELECTRICAL SUPPLY:				GAS SUPPLY: (PIPING 3/4 NPT)				APPROVALS				CLEARANCE:	SHIPPING WEIGHT	
	VOLTS	PHASE	AMPS	FREQ	TYPE	BTU RATING	WATER COLUMN	BTU PER CU. FT.	SUPPLY PRESSURE	AGA	CGA	CE MARK			NSF
KGL-40-T	120	1	10	60	NAT	140,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓	RIGHT: 0 inches	KGL-40-T 527 LBS.
	120	1	10	60	LP	140,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓	LEFT: 0 inches	
	220	1	5	50	NAT	140,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓	REAR: 3 inches	
	220	1	5	50	LP	140,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓		
KGL-60-T	120	1	10	60	NAT	190,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓	ALLOW 12" SPACE MINIMUM ON RIGHT SIDE FOR SERVICE	KGL-60-T 600 LBS.
KGL-80-T	120	1	10	60	LP	190,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓		
KGL-40-TSH	220	1	5	50	NAT	190,000	3.5	1000	4" TO 14" W.C.	✓	✓	✓	✓		
	220	1	5	50	LP	190,000	3.5	2500	4" TO 14" W.C.	✓	✓	✓	✓		

**NOTES:**

1. MANUFACTURER MUST BE NOTIFIED IF UNIT WILL BE OPERATING ABOVE 2,000 FOOT ALTITUDE.
2. CONSULT FACTORY FOR MANUFACTURED GAS.
3. ALL VERTICAL DIMENSIONS SHOWN ARE MINIMUM. FEET ARE ADJUSTABLE TO 1 INCH MAXIMUM.
4. UNIT COMES WITH 6' POWER CORD.

**NOTES:**

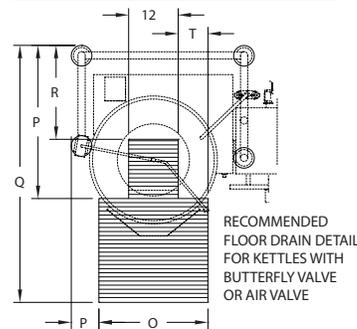
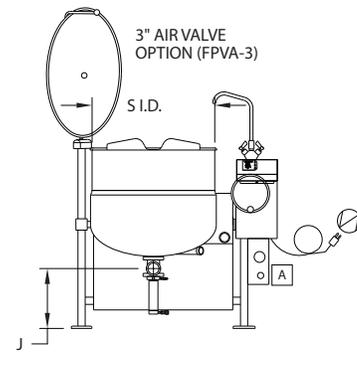
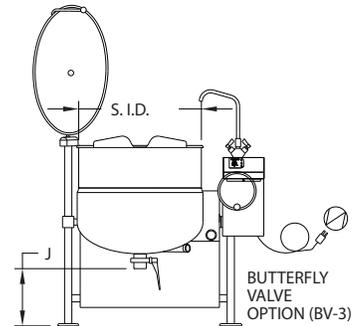
Cleveland Range reserves right of design improvement or modification, as warranted. Many regional, state and local codes exist and it is the responsibility of the owner and installer to comply with the codes. Cleveland Range equipment is built to comply with applicable standards for manufacturers. Included among those approval agencies are U.L./NSF4 and CSA (AGA, CGA).

**CAPACITIES:** (in 8 oz. servings, other sizes may be calculated)  
 40 Gallon / 150 liters . . . 640 servings  
 60 Gallon / 225 liters . . . 960 servings  
 80 Gallon / 300 liters . . . 1280 servings

**T.D. VALVE OPTIONS**

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

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.



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

- A AIR: PIPING: 1/2 NPT  
PRESSURE: 90-100 PSI  
FLOW RATE: 5 CU. FT PER MIN.
- C COLD WATER: H HOT WATER:  
PIPING: 1/2" NPT (DOUBLE)  
PIPING: 3/8" COPPER TUBE (SINGLE)

(NOT TO SCALE)