



## KDLT SERIES

Direct Steam Floor Mounted Tilting  
 $\frac{2}{3}$  Jacketed Kettles



Model K40DLT



ANSI/NSF Standard #4



### SPECIFIER STATEMENT

Direct steam, stainless steel,  $\frac{2}{3}$  jacketed floor mounted tilting steam kettle. Ellipsoidal bottom kettle liner formed and fully welded type 316 and type 304 stainless steel exterior with ( $\frac{1}{4}$  x  $\frac{5}{8}$  inch 20 gallons) ( $\frac{3}{8}$  x 1 inch 40 gallons and greater) bar rim, embossed gallon/liter markings. 50 psi (3.4 kg/cm<sup>2</sup>) steam jacket rating. Stainless steel enclosure for steam control valve, self-locking tilt mechanism and faucet bracket. Steam control assembly includes condensate return line strainer and safety valve steam trap. Kettle tilts forward 90° to completely empty. Tubular stainless steel legs with flanged feet.

UL Classified for sanitation in accordance with ANSI/NSF Standard #4. Meets ASME code.

Project \_\_\_\_\_

AIA # \_\_\_\_\_ SIS # \_\_\_\_\_

Item # \_\_\_\_\_ Quantity \_\_\_\_\_ C.S.I. Section 114000

### MODELS

- ☐ **K20DLT** 20 gallon true working capacity
- ☐ **K40DLT** 40 gallon true working capacity
- ☐ **K60DLT** 60 gallon true working capacity

### STANDARD FEATURES

- Direct steam, stainless steel,  $\frac{2}{3}$  jacketed floor mounted tilting steam kettle
- Ellipsoidal bottom kettle liner formed and fully welded standard type 316 and type 304 stainless steel exterior
- Bar rim ( $\frac{1}{4}$  x  $\frac{5}{8}$  inch 20 gallons) ( $\frac{3}{8}$  x 1 inch 40 gallons and greater)
- Embossed gallon/liter markings
- 50 psi (3.4 kg/cm<sup>2</sup>) steam jacket rating
- Stainless steel enclosure for steam control valve, self-locking tilt mechanism and faucet bracket
- Steam control assembly includes condensate return line strainer and safety valve steam trap
- Kettle tilts forward 90° to completely empty
- Tubular stainless steel legs with flanged feet
- One year limited parts and labor warranty

### OPTIONS

- ☐ Two inch compression tangent draw-off valve with perforated strainer
- ☐ Two inch plug tangent draw-off valve with perforated strainer
- ☐ Three inch compression tangent draw-off valve with perforated strainer
- ☐ Security facility package:
  - a. Security type tamper resistant fasteners with tack welds
  - b. Stainless steel step cover over draw-off valve with chain
- ☐ Second year extended limited parts and labor warranty

### ACCESSORIES (PACKAGED AND SOLD SEPARATELY)

- ☐ Spring assist hinged stainless steel cover with condensate ring and drop down lift handle
- ☐ Pouring lip strainer
- ☐ Clean-up kit, includes draw-off brush, clean-up brush and paddle scraper with 40" handle
- ☐ Stainless steel 48" whip
- ☐ Solid disk
- ☐ (12") (18" double jointed) single pantry lead-free faucet
- ☐ (12") (18" double jointed) double pantry lead-free faucet
- ☐ Double pantry washdown hose with 16" add-on lead-free faucet with vacuum breaker
- ☐ Double pantry washdown hose with vacuum breaker
- ☐ Double pantry pot filler and vacuum breaker

KDLT SERIES – Direct Steam Floor Mounted Tilting  $\frac{2}{3}$  Jacketed Kettles

Approved by \_\_\_\_\_ Date \_\_\_\_\_ Approved by \_\_\_\_\_ Date \_\_\_\_\_



## KDLT SERIES

### Direct Steam Floor Mounted Tilting 2/3 Jacketed Kettles

#### SERVICE CONNECTIONS



Steam supply: 3/4" IPS.



Condensate return: 1/2" IPS.

#### TRUE WORKING CAPACITIES (IN 4 OZ. SERVINGS)

80 quarts/20 gallons/76 liters/640 servings

160 quarts/40 gallons/152 liters/1,280 servings

240 quarts/60 gallons/228 liters/1,920 servings

#### NOTES

- Dimensions which locate the above connections have a tolerance of + or -3" (+ or -77 mm).
- Installation of backflow preventers, vacuum breakers and other specific code requirements is the responsibility of the owner and installer. It is the responsibility of the owner and installer to comply with local codes.
- This appliance is manufactured for commercial installation only and is not intended for home use.

#### DIRECT STEAM DATA

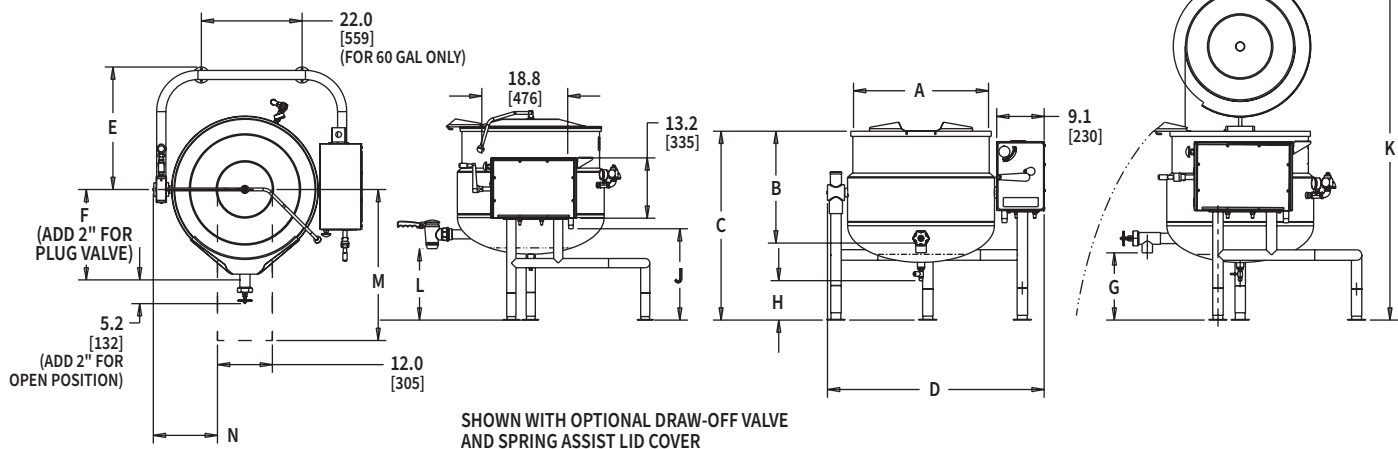
Steam supply to the kettles must:

- Maintain a steady 10 psi flow under operating conditions.
- Have a minimum flow (see chart) of dry steam.
- Be adequately trapped to provide dry steam. (See ball float trap.)

#### STEAM FLOW RATE AT 10 PSIG AT THE KETTLE

|           | Fast Boil |       | Medium Boil |       | Slow Boil |       |
|-----------|-----------|-------|-------------|-------|-----------|-------|
|           | lbs/hr    | kg/hr | lbs/hr      | kg/hr | lbs/hr    | kg/hr |
| 20 gallon | 48        | 22    | 32          | 15    | 24        | 11    |
| 40 gallon | 96        | 44    | 64          | 29    | 48        | 22    |
| 60 gallon | 143       | 65    | 96          | 44    | 72        | 33    |

INSTALLATION MANUAL



CAD and/or Revit Files Available

| Model  | True Working Capacity | A    | B    | C    | D    | E    | F    | G    | H    | J    | K    | L    | M    | N    |
|--------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| K20DLT | 20 gallons            | 21.6 | 15.2 | 35.7 | 37.8 | 21.3 | 16   | 18.4 | 11.9 | 20.7 | 61.3 | 17.7 | 28.5 | 9.9  |
|        | 76 liters             | 549  | 386  | 907  | 960  | 543  | 406  | 467  | 302  | 523  | 1557 | 451  | 726  | 252  |
| K40DLT | 40 gallons            | 25.8 | 21.2 | 36.1 | 41.8 | 24   | 17.7 | 12.8 | 7.5  | 18.6 | 65.8 | 12.1 | 30.3 | 12.1 |
|        | 152 liters            | 656  | 538  | 917  | 1062 | 610  | 451  | 325  | 191  | 473  | 1671 | 308  | 772  | 308  |
| K60DLT | 60 gallons            | 29.5 | 23.9 | 38.1 | 45.7 | 26.8 | 19.7 | 15.6 | 10.9 | 19.8 | 72.3 | 14.9 | 33   | 13.8 |
|        | 227 liters            | 749  | 607  | 968  | 1161 | 683  | 500  | 398  | 276  | 503  | 1836 | 380  | 841  | 352  |

As continued product improvement is a policy of Vulcan, specifications are subject to change without notice.