Electric Steam Tri-Leg Kettle



- ❑ KELS-20
- ❑ KELS-25
- ❑ KELS-30
- ❑ KELS-40
- ❑ KELS-60
- ❑ KELS-80
- ❑ KELS-100

OPERATION SHALL BE BY:

Electrically, self-generating closed steam system equipped for operation on:

- ❑ 208 VAC, 1 phase, 50/60 Hz (12 to 18 kW only)
- ❑ 208 VAC, 3 phase, 50/60 Hz
- ❑ 220 VAC, 1 phase, 50/60 Hz (12 to 18 kW only)
- ❑ 220 VAC, 3 phase, 50/60 Hz
- ❑ 240 VAC, 1 phase, 50/60 Hz (12 to 18 kW only)
- ❑ 240 VAC, 3 phase, 50/60 Hz
- ❑ 380/220 VAC, 3 phase, 50/60 Hz 4 wire
- ❑ 415/240 VAC, 3 phase, 50/60 Hz 4 wire

OPTIONS & ACCESSORIES AT ADDITIONAL COST

- ❑ 3" *(76 mm)* draw-off valve (TVS-3) with perforated strainer (TPS-)
- ❑ 24 kw on 40, 60, 80 gallon
- ❑ 33 kw on 60, 80, 100 gallon
- ❑ 380 VAC, 3 Phase, 50/60 Hz
- ❑ 415 VAC, 3 Phase, 50/60 Hz
- ❑ 480 VAC, 3 Phase, 50/60 Hz
- ❑ 600 VAC, 3 Phase, 50/60 Hz
- ❑ Two piece hinged stainless steel cover (2PHC- 40 gallons and up)
- ❑ Etched gallon markings (GM-)
- ❑ Etched litre markings(LM-)
- ❑ Correctional package
- ❑ Single pantry faucet with swing spout (SF-18)
- ❑ Double pantry faucet with swing spout (DF-18)
- ❑ One piece lift off cover (C-)
- ❑ Triple basket assembly (TBA-)
- ❑ Solid stainless steel disc for draw-off valve (TSS-)
- ❑ Graduated measuring strip (CMS-)
- ❑ Strainer hook (SH)
- ❑ Draw-off valve hose kit (DVHK-)
- ❑ Calibrated thermostat dial “F”
- ❑ Calibrated thermostat dial “C”
- ❑ Kettle heat shield (KHS-)

STANDARD CONSTRUCTION SPECIFICATIONS

Shall be a Southbend Steam model KELS-20, KELS-25, KELS-30, KELS-40, KELS-60, KELS-80 or KELS-100, self-generating, electric, tri-leg kettle, ASME Code stamped, National Board Registered, c-CSA-us and NSF certified.

A double wall kettle interior shall form a steam jacket around the lower 2/3 of the kettle.

The jacket enclosure shall contain distilled water which is factory sealed.

The bottom of the kettle shall be of hemispherical design for superior heat circulation.

Kettle will be mounted on 3 stainless steel tubular legs fitted with a 4-hole adjustable foot for securing unit to the floor.

Construction shall be all welded #4 finish stainless steel, type 304.

The interior liner shall be standard 316 for high acid content cooking.

The controls shall be integrally mounted and shall include a power switch, thermostat, pilot light, low water light, vacuum/pressure gauge, safety relief valve and low water shut off.

Faucet bracket standard.

The kettle shall be standard with removable elements.

Convenience features shall include a 2” (50 mm) sanitary draw-off valve with perforated strainer and spring assist hinged stainless steel domed cover.

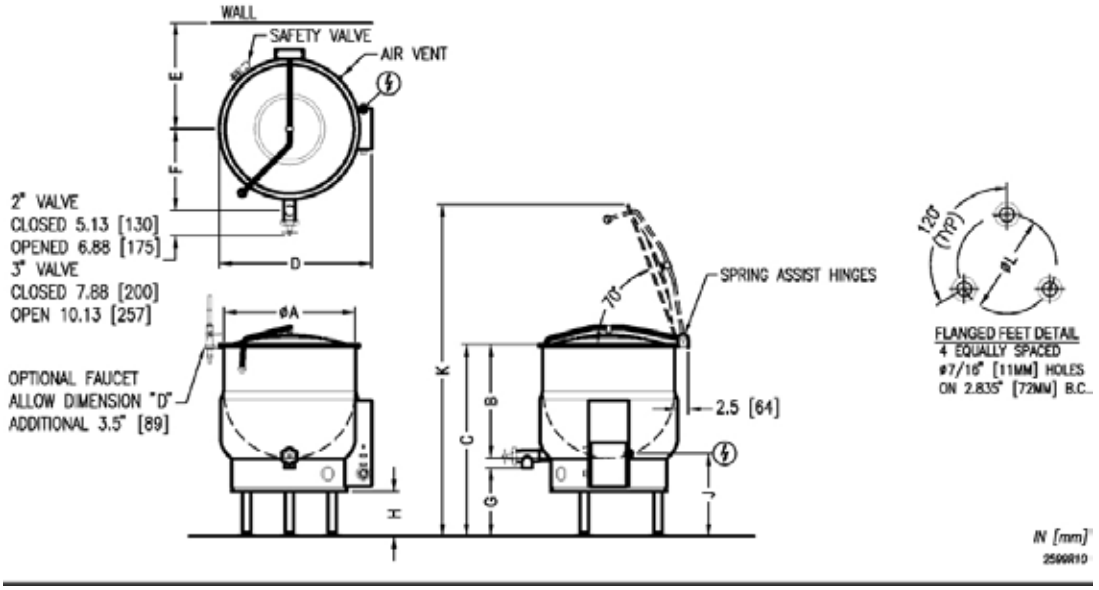
The kettle shall operate in a temperature range of 165°F to 285°F (74°C to 140°C) at a maximum pressure of 50 psi (345 kPa). Includes faucet bracket.

Approval Notes: _____

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Models: ☐ **KELS-20** ☐ **KELS-25** ☐ **KELS-30** ☐ **KELS-40** ☐ **KELS-60** ☐ **KELS-80** ☐ **KELS-100**

KELS-SB



SERVICE CONNECTIONS

– ELECTRICAL CONNECTION : to be specified on data plate

DIMENSIONS

Model	Capacity	Units	A	B	C	D	E	F(2")	F(3")	G(2")	G(3")	H	J	K	L
KELS-20	20 gallons (76 liters)	in (mm)	21" (533)	18" (457)	38" (965)	25.25" (641)	18.5" (470)	14.75" (375)	15.5" (394)	18" (457)	17.5" (445)	13.38" (340)	20.75" (527)	60.5" (1537)	16.5" (419)
KELS-25	25 gallons (95 liters)	in (mm)	21" (533)	21.25" (540)	37.25" (946)	25.25" (641)	18.5" (470)	14.75" (375)	15.5" (394)	14.12" (358)	13.13" (333)	9.5" (241)	17" (432)	58.75" (1492)	16.5" (419)
KELS-30	30 gallons (114 liters)	in (mm)	24" (610)	20" (508)	38" (965)	28.25" (718)	20" (508)	16" (406)	16.5" (419)	15.75" (400)	15" (381)	11.25" (286)	18.88" (479)	63.5" (1613)	18" (457)
KELS-40	40 gallons (152 liters)	in (mm)	26" (660)	22.5" (572)	38" (965)	30.25" (768)	21" (533)	17" (432)	18" (457)	13.5" (343)	12.5" (318)	8.88" (225)	16.38" (416)	65" (1651)	19.63" (498)
KELS-60	60 gallons (227 liters)	in (mm)	29.5" (749)	26" (660)	42" (1067)	33.75" (857)	20.63" (524)	18" (457)	19.25" (489)	13.88" (352)	12.88" (327)	9.63" (244)	17.13" (435)	75" (1905)	22.88" (581)
KELS-80	80 gallons (303 liters)	in (mm)	33" (838)	28" (711)	45" (1143)	37" (940)	22.38" (568)	19.5" (495)	20.5" (521)	14.88" (378)	13.88" (352)	11.25" (286)	18.63" (473)	81" (2058)	26" (660)
KELS-100	100 gallons (379 liters)	in (mm)	35.5" (902)	30" (762)	48" (1219)	40" (1016)	23.63" (600)	21.5" (546)	22.5" (572)	15" (381)	14.5" (368)	13" (330)	20.5" (521)	87" (2210)	29.13" (740)

ELECTRICAL CHARACTERISTIC

Available kW		
Model	Standard	Optional
KELS-20, 25	12	N/A
KELS-30	15	N/A
KELS-40	18	24
KELS-60	18	24 or 33
KELS-80	18	24 or 33
KELS-100	24	33

Amps Per Line								
kW	Phase	208V	220V	240V	380V	415V	480V	600V
12	1	57.7	54.5	50.0	N/A	N/A	N/A	N/A
	3	33.3	31.5	28.9	18.2	16.7	14.4	11.6
15	1	72.1	68.2	62.5	N/A	N/A	N/A	N/A
	3	41.6	39.4	36.1	22.8	20.9	18.0	14.5
18	1	86.5	81.8	75.0	N/A	N/A	N/A	N/A
	3	50.0	47.2	43.3	27.3	25.0	21.7	17.3
24	3	66.6	63.0	57.7	36.5	33.4	28.9	23.1
33	3	91.6	86.6	79.4	50.1	45.9	39.7	31.8

SPECIFICATIONS

Model	kW	Capacity	
KELS-20	12	20 Gallon	76 Liter
KELS-25	12	25 Gallon	95 Liter
KELS-30	15	30 Gallon	114 Liter
KELS-40	18	40 Gallon	152 Liter
KELS-60	18	60 Gallon	227 Liter
KELS-80	18	80 Gallon	303 Liter
KELS-100	24	100 Gallon	379 Liter

Model	Shipping Weight	Minimum Clearance	
KELS-20	196 lbs. [89 kg]	SIDES BACK	3" [76 mm] 3" [76 mm]
KELS-25	200 lbs. [91 kg]		
KELS-30	226 lbs. [103 kg]		
KELS-40	270 lbs. [123 kg]		
KELS-60	390 lbs. [177 kg]		
KELS-80	445 lbs. [202 kg]		
KELS-100	486 lbs. [221 kg]		

INTENDED FOR COMMERCIAL USE ONLY.
NOT FOR HOUSEHOLD USE.