Statement of Responsibilities

This document is for use by experienced and trained Qualified Cleveland Range, LLC Authorized Service Representatives who are familiar with both the safety procedures, and equipment they service.

Cleveland Range, LLC assumes no liability for any death, injury, equipment damage, or property damage resulting from use of, improper use of, or failure to use the information contained in this document.

Cleveland Range, LLC has made every effort to provide accurate information in this document, but cannot guarantee that this document does not contain unintentional errors and omissions.

The information in this document may be subject to technical and technological changes, revisions, or updates.

Cleveland Range, LLC assumes no liability or responsibility regarding errata, changes, revisions, or updates.

Qualified Cleveland Range, LLC Authorized Service Representatives are obligated to follow industry standard safety procedures, including, but not limited to, OSHA regulations, and disconnect / lock out / tag out procedures for all utilities including steam, and disconnect / lock out / tag out procedures for gas, electric, and steam powered equipment and / or appliances

All utilities (gas, electric, water and steam) should be turned OFF to the equipment and locked out of operation according to OSHA approved practices during any servicing of Cleveland Range equipment

Qualified Cleveland Range, LLC Authorized Service Representatives are obligated to maintain up-to-date knowledge, skills, materials and equipment.

PowerPan™ SERIES

35" RIM HEIGHT
TILTING SKILLET, GAS

MODELS:
☐ SGL-30-T1
☐ SGL-40-T1

ITEM NUMBER _____

JOB NAME / NUMBER _____

Cleveland Standard Features

- Exclusive Ultra Efficient Power Burner (Forced-Air) Gas Combustion System with Automatic Ignition.
- Exclusive Dual Power Settings: 90,000 and 125,000 Btu for 30 gallons, 160,000 Btu and 200,000 Btu for 40 gallons provides superior heat-up and recovery.
- Open base design for easy cleaning and maintenance.
- 5/8" Stainless Steel Bead Blasted cooking surface prevents warping and keeps food from sticking.
- Durable 12 gauge, 304 Stainless Steel pan construction. 5/8″ (16mm) mild steel clad bottom plus a 1/16″ (1.6mm) Stainless Steel plate for even temperature distribution.
- Low 35" rim height for easy operation and cleaning.
- Splash Proof Controls and construction.
- Supplied with Cord & Plug for 115-volt controls.
- Easy-to-turn manual hand tilt. Optional power tilt with manual override available.
- Gallon/Liter Markings and Vented Spring Assist Cover standard.
- Available with Optional 2" Tangent Draw-Off Valve.
- 10° Cooking Feature. Tilt unit up to 10° without the power being turned off.
- Adjustable, Electronic Thermostat accurately controls temperature from 100° to 450° F.
- Electronic "Spark Ignition System Standard".
- Spring-Assist Cover with full width handle and vent.

Options & Accessories

- ❒ Power Tilt with Manual Override (PT1)
- ❒ 2" (50 mm) Tangent Draw-Off Valve (TD2)
- ❒ Double or Single Pantry Faucet (SPS, DPS)
- ❒ Faucet Bracket (FBKT1)
- ❒ Pan Carrier (PCS)
- ❒ Vegetable Steamer Baskets (VS)
- ❒ Hot & Cold Water Pre-Rinse Spray Head with Hose (PRS-S)
- ❒ Poaching Pans (PP)

Shown with optional Double Pantry Faucet and Bracket

Short Form Specifications

Shall be CLEVELAND, Tilting Skillet Model Number SGL-___-T1, gas (type____) holding no less than (____ gallons); Complete with Dual Power Setting, Normal and High Power Cooking Controls, Power Burner (Forced-Air) Gas Combustion System, Automatic Ignition, Splash-Proof Construction, Spring Assist Cover with Vent, Gallon/Liter Markings, 5/8" Stainless Steel Clad Cooking Surface with Bead Blasted Finish, Easy to use Manual Hand Tilt, Adjustable Feet with Rear Flanged and Front Bullet Style.

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DIMENSIONS

MODEL	A	B	C	D	E (combustible wall)	E (non-combustible wall)	F	G
SGL-30-T1	**39 1/8"**	**24 1/2"**	**31 3/4"**	**12"**	**3 1/2"**	**0**	**18 1/4"**	**5 3/4"**
	(994mm)	(623mm)	(807mm)	(305mm)	(89mm)		(464mm)	(146mm)
SGL-40-T1	**51 1/8"**	**36 1/2"**	**43 3/4"**	**18"**	**3 1/2"**	**0**	**24 1/4"**	**5 3/4"**
	(1299mm)	(928mm)	(1112mm)	(458mm)	(89mm)		(616mm)	(146mm)

CAPACITIES

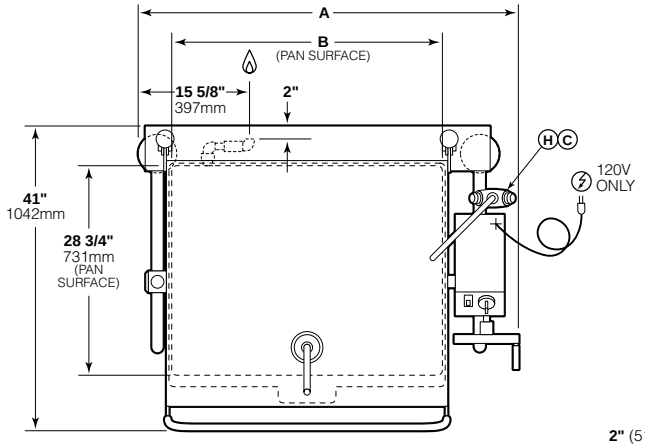
In 4 oz. servings. Other sizes may be calculated.
30 gallons / 115 Liters.....960
40 gallons / 150 Liters.....1280

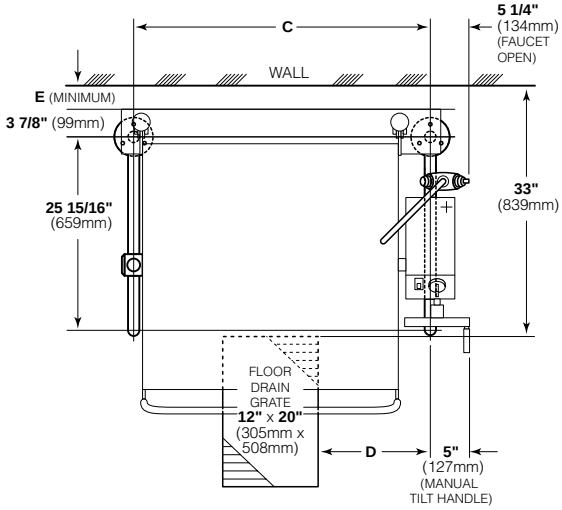
SPECIFICATIONS

ELECTRICAL SUPPLY	GAS SUPPLY (PIPING 3/4" NPT)	CLEARANCE	APPROX. SHIPPING WEIGHTS
VOLTS: 120 **PHASE**: 1 **AMPS**: 10 **FREQ**: 60 HZ	**TYPE**: NAT or LP **WATER COLUMN**: 3.5 (NAT), 10 (LP) **BTU PER CU. FT.**: 1025 (NAT), 2500 (LP) **SUPPLY PRESSURE**: 5" W.C. MIN (NAT), 11" W.C. MIN (LP) **BTU RATINGS**: ***SGL-30-T :*** 125,000 per hour ***SGL-40-T :*** 200,000 per hour	**RIGHT**: 3" (77mm) (manual tilt) 0 (power tilt) **LEFT**: 0" **REAR**: 0 (non-combustible wall) 3 1/2" (89mm) (combustible wall)	***SGL-30-T1*** 520 LBS. 235 KG. ***SGL-40-T1*** 560 LBS. 255 KG

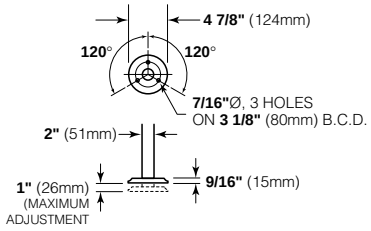
APPROVALS

AGA	CGA	NSF
✓	✓	✓

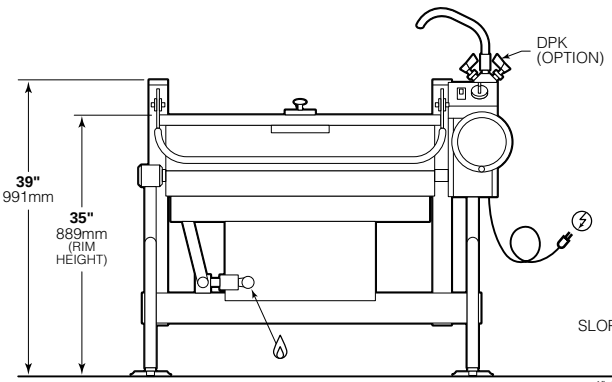


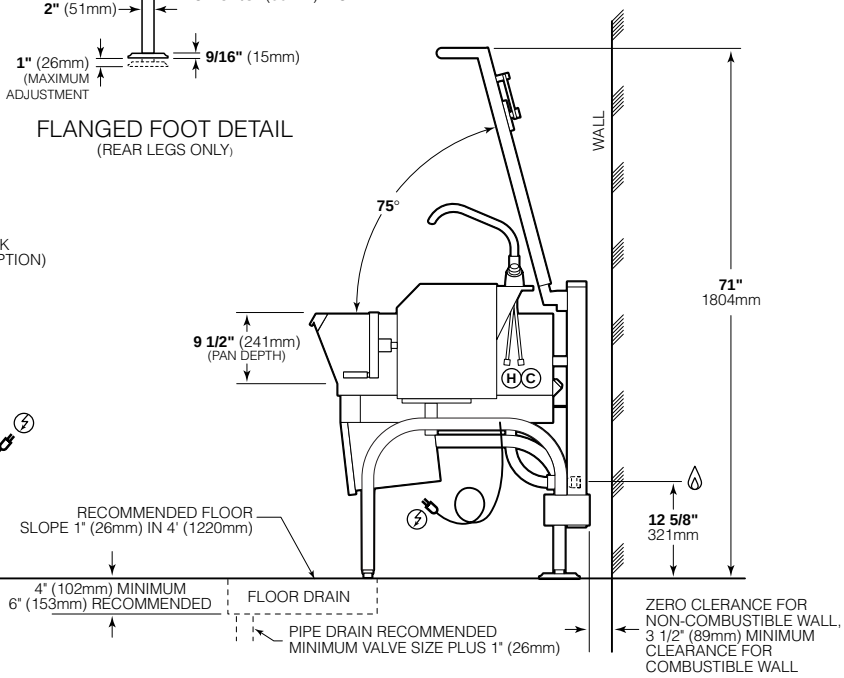


LEG LOCATION &
SUGGESTED FLOOR DRAIN DETAIL



FLANGED FOOT DETAIL
(REAR LEGS ONLY)





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, CGA, CSA, ETL and others.

(NOT TO SCALE)

1201
Litho in U.S.A.

CLEVELAND RANGE SGL T1
SEQUENCE OF OPERATIONS

When using these instructions refer to the SGL-T1 wiring schematic.

1. 115 VAC is sent through the 3 amp fuse to
- The primary of the 24 VAC transformer
    - 24 VAC is sent from the secondary of the 24VAC transformer to the Hi/Off/Low Switch.
- Contacts of the R1 Blower Relay
- The optional Power Tilt Circuit

2. With the Hi/Off/Low switch in the Low position.
- 24 VAC is sent through the normally closed high limit switch to the mercury switch.
- If the skillet is in the down position then 24 VAC is sent through mercury switch to pin 9 on the thermostat.

3. With the Hi/Off/Low Switch in the Hi position 24 VAC is also sent to the Hi terminal on the gas valve.
- Gas will not leave the valve until the main gas valve opens (see step 7).

4. If the skillet is calling for heat the 24 VAC is sent from pin number 10 to R1 Blower Relay.
- The normally open contacts of the blower relay close sending 115 VAC to the blower.
- The blower turns closing the air switch.
- 24 VAC is sent through the now closed air switch to the ignition module.

5. Ignition module sends spark from terminal SP to the igniter.

6. Ignition module also sends 24 VAC from pins PV and MV/PV to the pilot coil of the gas valve pins P and C.
- Pilot valve opens sending gas to the Pilot assembly.
- Spark and gas meet and pilot is ignited.
- AC current is passed through the flame and rectified then sent back to the ignition module.

7. If the ignition module reads a minimum of 1.0 micro-amps through the burner ground then 24 VAC is sent from pins MV and MV/PV of the ignition module to pins M and C on the Gas valve.
- The main (low) gas valve opens and gas (3.0” W.C. natural gas or 8.0” W.C. LP) is sent to the burner.
- If the skillet is in the Hi position (see step 3) 24VAC will be at the HI terminal and the gas pressure will be 3.5” W.C. natural or 10.0” W.C. LP.

- Burner ignites until thermostat is satisfied.

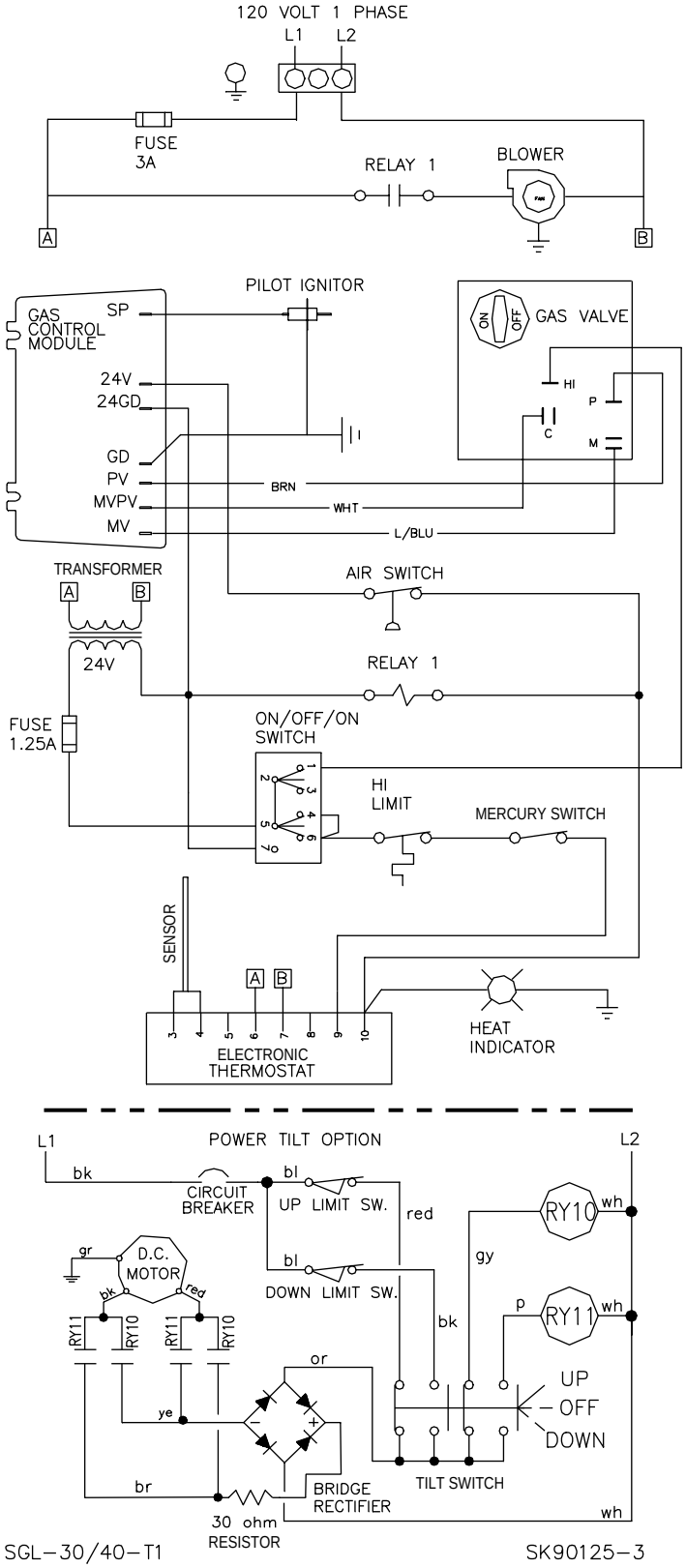
8. When thermostat is satisfied, 24 VAC is removed from pin 10 on the thermostat and the heat circuit is de-energized

9. If the skillet has the optional Power Tilt option and is in the down position, 115 VAC is sent from the customer connect through the circuit breaker and the up limit switch to the tilt switch.

10. With the tilt switch in switch in the Up position
    - 115 VAC is sent to the Bridge Rectifier
        - 115 VDC is sent from the rectifier through the 30-ohm resistor to the normally open RY10 and RY11 relay contacts.
    - 115 VAC is sent to the RY10 relay coil.
    - The normally open RY10 contact close and 90 VDC is sent to the DC motor
    - The DC motor is energized and the skillet tilts until the switch is released or the up limit switch opens.

11. With the Tilt switch in the Down position
    - 115 VAC is sent to the Bridge Rectifier
        - 115 DC is sent from the rectifier through the 30-ohm resistor to the normally open RY10 and RY11 relay contacts.
    - 115 VAC is sent to the RY11 relay coil.
    - The normally open RY11 contact close and the polarity of the 90 VDC is reversed.
    - The DC motor is energized and the skillet lowers until the switch is released or the Down limit switch opens.

WIRING DIAGRAM



ELECTRICAL COMPONENT PART #s

		SEE PAGE #
FUSE 3A	*KE52936-6*	*12*
FUSE 1.25A	*KE52936-8*	*12*
RELAY 1	*2475500*	*17*
BLOWER	*2476000*	*14*
PILOT IGNITOR	*2477000*	*17*
GAS CONTROL MODULE	*105693*	*17*
GAS VALVE (NATURAL)	*105782*	*15*
GAS VALVE (LP)	*1057821*	*15*
TRANSFORMER, 24V	*KE53838-25*	*12*
AIR SWITCH	*2488100*	*14*
ON/OFF/ON SWITCH	*2474102*	*16*
HIGH LIMIT	*KE55069-7*	*17*
MERCURY SWITCH	*KE50294-1*	*12*
THERMOSTAT	*SE00119*	*16*
SENSOR	*SK50933-1*	*14*
HEAT INDICATOR	*SK50905-1*	*16*
CIRCUIT BREAKER	*KE50579-1*	*12*
LIMIT SWITCH	*KE51007*	*11*
RY10 (RELAY)	*KE50753-10*	*9*
RY11 (RELAY)	*KE50753-10*	*9*
DC MOTOR	*KE52832-4*	*12*
BRIDGE RECTIFIER	*KE50581*	*9*
RESISTOR	*SK50930*	*9*
MERCURY SWITCH	*KE53137-3*	*11*
- SECTION	*KE53184*	*11*
- CONTACT BLOCK	*KE53138-1*	*11*