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# PITCO SG14TS Owner's Manual

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# Model SG14TS with Options Tube Fired Gas Fryer

Model SG14TS w/Options

Project \_\_\_\_\_

Item number \_\_\_\_\_

Quantity \_\_\_\_\_



### STANDARD ACCESSORIES

- Two nickel-plated, oblong, wire mesh baskets
- Two nickel-plated tube racks
- One drain extension
- One drain line clean-out rod
- Fryer cleaner sample
- Rear gas connection
- Manual gas shutoff
- Two 1 1/4" (3.2 cm) full port drain valves
- Built-in integrated flue deflector
- Removable basket hanger for easy cleaning
- 9" (22.9 cm) adjustable legs
- Cabinet - stainless steel front, door, and sides
- Tank - stainless steel

### AVAILABLE OPTIONS & ACCESSORIES

- Stainless steel back
- Basket Lift\*
- Solid State Thermostat\*\*
- Digital controller\*\*
- Covers
- Intellifry computer control\*\*
- Computer back-up thermostat
- 9" (22.9 cm) adjustable casters

\*Only available with digital or computer controls.

\*\*Includes matchless ignition, melt cycle, and drain valve interlock switch.

### STANDARD SPECIFICATIONS

#### CONSTRUCTION

- Separate welded tank design.
- Welded tank with an extra smooth peened finish ensures easy cleaning.
- Long-lasting, high-temperature alloy stainless steel heat baffles are mounted in the heat exchanger tubes to provide maximum heating and combustion efficiency.
- Standing pilot light design provides a ready flame when heat is required.
- Stainless steel front, door, side, and splashback.
- Heavy duty 3/16" (.48 cm) door hinge.

#### CONTROLS

- Millivolt thermostat maintains selected temperature automatically between 200°F (93°C) and 400°F (190°C-CE).
  - Integrated gas control valve acts as a manual and pilot valve, automatic pilot valve, gas filter, pressure regulator, and automatic main valve.
  - Gas control valve prevents gas flow to the main burner until pilot is established and shuts off all gas flow automatically if the pilot flame goes out.
  - Temperature limit switch safely shuts off all gas flow if the fryer temperature exceeds the upper limit.
  - New Solstice burner/baffle design.\*\*\*
    - Increases cooking production.
    - Lowers flue temperature.
    - Improves working environment.
    - Generates more production per BTU.
- \*\*\*Compared to previous models.

#### OPERATIONS

- Two front 1 1/4" (3.2 cm) full port drains for quick draining.
- 9" (22.9 cm) clearance allows for ease of cleaning.

#### APPROVALS

- CSA Certified (AGA, CGA)
- NSF Listed
- MEA Approved
- CE Certified
- Australian Gas Assoc. Certified (AuGA)



The Australian Gas Association



Patent Pending

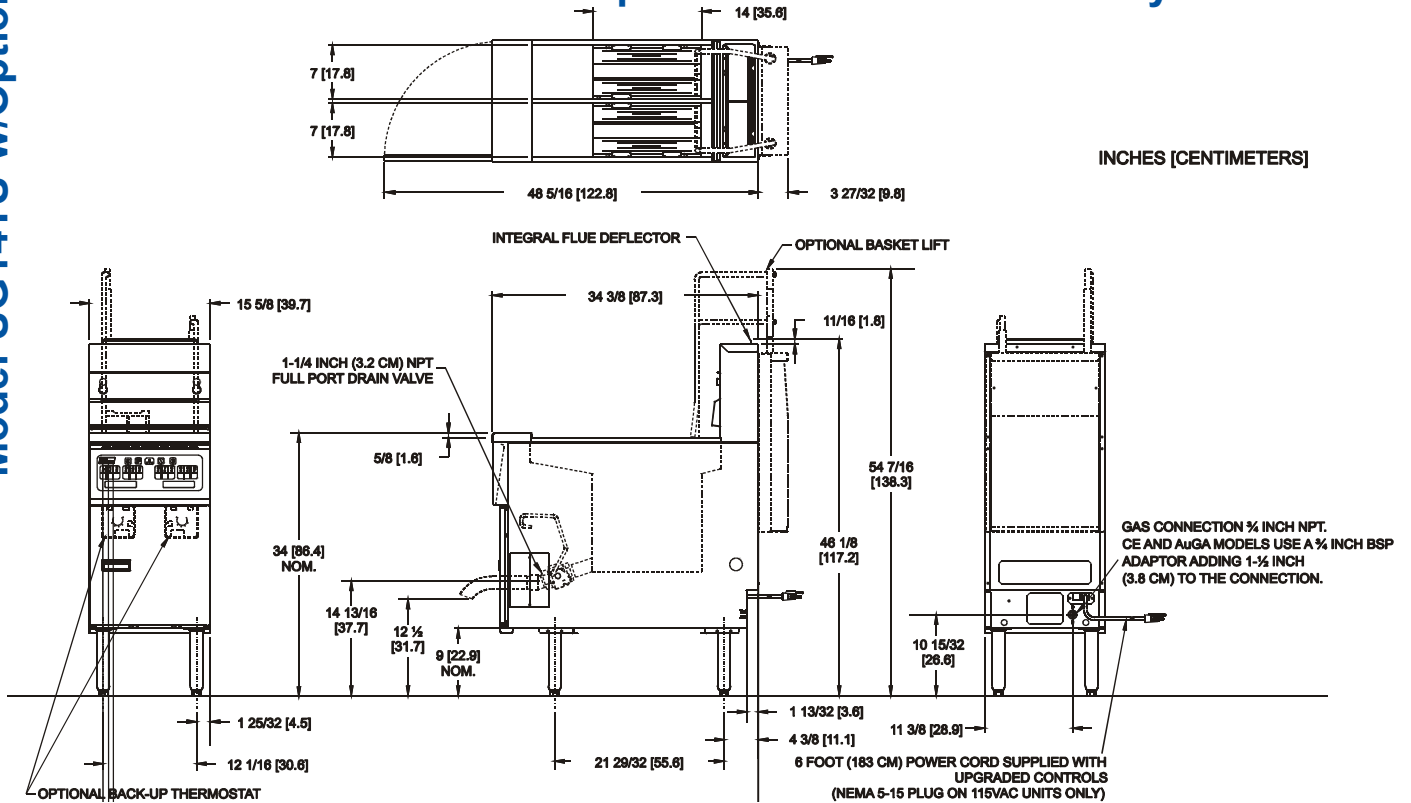


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# Model SG14TS with Options - Tube Fired Gas Fryer



## GAS REQUIREMENTS

<b>Gas Input Per Hour</b>			
50,000 BTUs / 15 kW (CE) / 50 megajoules (AuGA) Per Tank			
<b>Gas Type*</b>	<b>Recommended Minimum Store Manifold Pressure</b>	<b>Burner Manifold Pressure</b>	*For other gas types, contact your Dealer/Distributor. Check plumbing/gas codes for proper gas supply line sizing.
Natural Gas	7" W.C. / 17.4 mbars / 1.75 kPa	4" W.C. / 10 mbars / 1 kPa	
L.P. Gas	13" W.C. / 32.4 mbars / 3.25 kPa	10" W.C. / 25 mbars / 2.5 kPa	
<b>Clearance Information</b>	<b>Fryer Front</b>	<b>Fryer Sides, Rear, Bottom to any combustible material</b>	<b>Fryer Flue Area</b>
All Models	30" (76.2 cm) min.	6" (15.2 cm) Do not Curb Mount	Do not block or restrict the flue gasses from flowing into the ventilation system.

## ELECTRICAL

## OIL CAPACITY

<b>Control Type</b>	<b>Voltage / Phase / Frequency</b>	<b>Amps</b>	20 - 25 pounds per tank (9 - 11 kg) per tank
Millivolt	Not required	0	<b>PERFORMANCE CHARACTERISTICS</b>  Cooks 41 lbs (18.6 kg) of fries per hour per tank Frying Area 7 x 14 x 4 in per tank (17.8 x 35.6 x 10.2 cm) per tank
Upgraded controls (solid state, digital, computer, basket lift)	115 / 1 / 60	1.7	
	220-230-240 / 1 / 50	0.9	
Upgraded controls options include matchless ignition, melt cycle and drain valve interlock at no additional amps.			

## SHIPPING INFORMATION

Model	Shipping Weight	Shipping Cube	Shipping H x W x L
Single Millivolt	220 lbs	19 ft. <sup>3</sup>	45 1/4 x 18 3/4 x 38 1/2 in
	100 kg	.54 m <sup>3</sup>	114.9 x 47.6 x 97.8 cm
Single Upgraded Controls	230 lbs □	33 ft. <sup>3</sup>	58 x 22 1/2 x 43 1/2 in
	104 kg	.93 m <sup>3</sup>	147.3 x 57.2 x 110.5 cm

□ Add 50 lbs (23 kg) for Basket Lifts

## SHORT FORM SPECIFICATION

Provide Pitco Model SG14TS tube fired gas fryer. Fryer shall have an atmospheric burner system combined with two stainless steel heat tubes utilizing high temperature alloy stainless steel baffles. Fryer shall have a deep cool zone; minimum 28% of total oil capacity to trap burnt particles, crumbs and black specks. Fryer cooking area shall be 7" x 14" (35.6 cm x 35.6 cm) with a cooking depth of 4" (10.2 cm) per tank. Heat transfer area shall be a minimum of 300 sq. inches (1,936 sq. cm) per tank. Provide accessories as follows:

## TYPICAL APPLICATION

Frying a wide variety of foods in a limited amount of space. Frying that requires a high volume production rate.

