



# **TUBE HEATER**

## **PRICE LIST 2008**

**PRICES IN EFFECT MAY 1, 2008**

**RELEASE 1B**

<b>Tube Heaters:</b>	<b>This Section, Pages T-1 to T-52</b>
<b>General Information: Terms; Return Policy; Contact Info; Freight Zones; SPQ Form; Design Form; Warranty Summary - Pages G-1 to G-11</b>	
<b>Luminous Heaters (High Intensity):</b>	<b>Section 2, Pages L-1 to L-16</b>
<b>Construction Heaters:</b>	<b>Section 4, Page P-11</b>
<b>Outdoor &amp; patioSchwank:</b>	<b>Section 4, Pages P-1 to P-33</b>

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**As of the effective date, these price sheets supercede all previous price sheets**



*All Schwank heaters  
are certified by  
CSA International*





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*Please order tube heaters using burner kit & tube kit part number.  
Tube heaters are shipped & invoiced as burner kits & tube kit*

**These price sheets supercede all other price sheets**

Schwank reserves the right to make changes in products and pricing without notice.

F.O.B. Mississauga, Ontario or Waynesboro GA  
All Applicable Taxes Extra  
Terms: Net 30 Days  
1 1/2% Monthly Interest On Overdue Accounts  
Prices subject to change without notice



# ***What's New in Tubes for 2008?***

**NEW In Release 1A & 1B - May 1, 2008**

*Please update your sales information and database with these New Models & Numbers!*

**NEW** SPW-JZ tube model now supplied with Fresh Air Adapter and Wall Cap

## **USA Flexible Gas Connectors for Tube Heaters**

**NEW** Note: Minimum length for tube heater flexible connector is 24 inches.

- ✓ Revisions to the Gas Code/Standards for Flexible Connectors are anticipated for Fall 2008.
- ✓ A bulletin will be issued when the Standard revisions are finalized.

**NEW** 40 foot Secondary Tube Kits now available

- ✓ Create 70 ft heater - attaches to 30 foot Primary kit instead of previous two 20 ft tube kits
- ✓ Lower 70 ft heater cost
- ✓ Lower shipping cost

**NEW** 'S' Hooks for heater suspension

- ✓ Convenient package of 25 x 'S' hooks
- ✓ Large size (1 <sup>7</sup>/<sub>8</sub>" ) - easy to work with
- ✓ Strong - secure suspension of heater
- ✓ Part # JL-0798-SH
- ✓ Quantity required for tube heaters: - Allow two 'S' hooks for each suspension chain

See notes in "Accessories" sections for calculation of quantities of chain & hooks

### **Revisions in prior release 1A:**

Page T-28 SET Two Stage Gas Conversion Kits: **Updated Part Numbers**

Page T-52 SET Two Stage Gas Conversion Kits: **Updated Part Numbers**

100,000 Btuh x 20 ft heaters (STS-JZ & S-100 Models) are available in Natural Gas ONLY

### **Items deleted in this release - no longer available:**

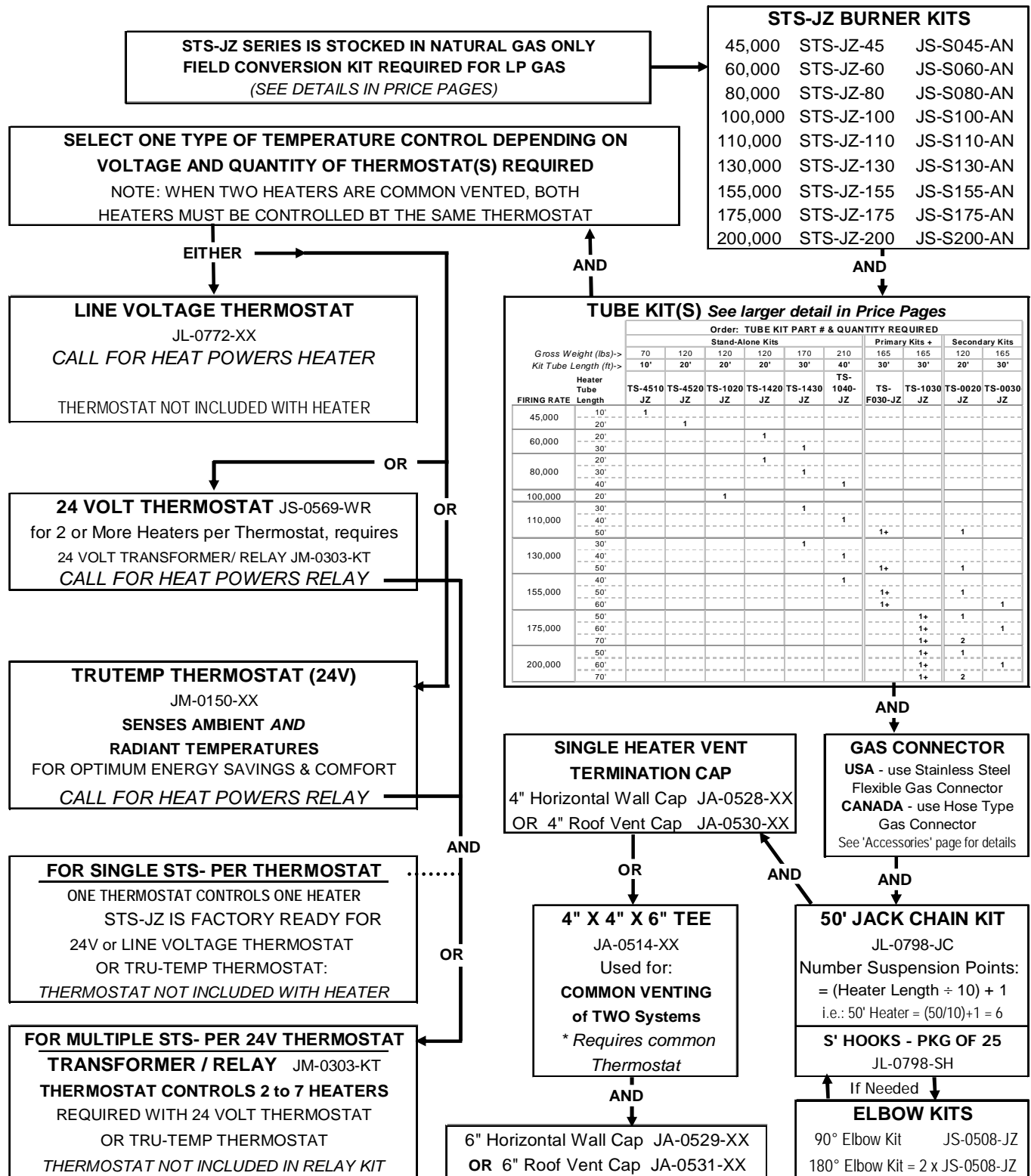
180° Elbow Kit for builderSchwank S100 & WhisperJet SET models JS-0513-SM  
Use Two x 90° Elbow Kit for these models 2 x JS-0508-SM

Note: These models are available with "U"-Tube Kits: S100U, SETU

**www.SchwankGroup.com - Get current Published Info for all products**



## premierSchwank STS-JZ Series Heater & Accessory Selection Guide





## premierSchwank Tube Heaters STS-JZ Series

*Straight Tube - emissive coated*



### COMPLETE SYSTEMS:

AVAILABLE TUBE			
MODEL	CAPACITY	LENGTH	LIST PRICE
STS-JZ 45	45,000 Btuh	10'	\$ 1,228.00
		20'	1,348.00
STS-JZ 60	60,000 Btuh	20'	1,348.00
		30'	1,538.00
STS-JZ 80	80,000 Btuh	20'	1,348.00
		30'	1,538.00
		40'	1,728.00 *
STS-JZ 100	100,000 Btuh	20'	1,438.00
		30'	1,538.00
STS-JZ 110	110,000 Btuh	40'	1,728.00 *
		50'	1,997.00
		30'	1,538.00
STS-JZ 130	130,000 Btuh	40'	1,728.00 *
		50'	1,997.00
		40'	1,728.00 *
STS-JZ 155	155,000 Btuh	50'	1,997.00
		60'	2,187.00
		50'	2,097.00
STS-JZ 175	175,000 Btuh	60'	2,287.00
		70'	2,477.00 Lower price with New 40' secondary tube kit
		50'	2,097.00
STS-JZ 200	200,000 Btuh	60'	2,287.00
		70'	2,477.00 Lower price with New 40' secondary tube kit

#### STS-JZ FEATURES SUMMARY:

- 24V or Line Voltage Thermostat Ready
- Status Indicator Lights
- Power Cord with Plug
- Birdscreened Combustion Air Collar - 4"
- Swing-down Cabinet Service Access
- Whisper Quiet Ceramic Burner
- 'Focus Shield' Reflector & End Caps for Premier IR Heat Output
- Emissive Coated Radiant Tubes

**Individual burner kits + tube kits  
are shipped to assemble tube  
heater orders.**

**~ See next page for details ~**

\* 40 ft heater price based on using TS  
1040-JZ tube kit

#### NOTE:

Standard burners are stocked for  
natural gas fuel only.  
Field conversion kits are required  
for conversion to LP gas -  
refer to **Burner Kits**  
on the page listed below

PRICE INCLUDES BURNER KIT & REQUIRED TUBE KIT(S) FOR HEATER LENGTH:

**BURNER KIT:** ELECTRICAL CORD, STATUS INDICATOR LIGHTS, FACTORY MOUNTED IGNITER, FACTORY INSTALLED 24/120V RELAY SWITCH, DROP-DOWN SERVICE ACCESS, BIRDSCREENED AIR INTAKE WITH COLLAR ON BLOWER  
- WALL OR ROOF COMBUSTION AIR INTAKE CAP IS OPTIONAL.

**TUBE KIT:** PRIMARY TUBE(S), SECONDARY TUBE(S) WITH EMISSIVE COATING, FOCUS SHIELD REFLECTORS, TWO END PLATE HANGERS, WEBBED HANGERS FOR TUBES & REFLECTORS, TUBE COUPLER(S) AND TURBULATOR(S).

*Burner Kits, and tube kits are packaged separately and clearly labelled for ease of assembling orders and shipping*

*- Please order heater(s) by Burner Kit(s) + Tube Kit(s)*

**Field conversion kit required for LP fuel**

**- standard burner stocked in NG -**

**- see page T-9 -**

**HEATER & ACCESSORY SELECTION: previous page**

**BURNER & TUBE KIT CHART: next page**

**STS-JZ BURNER KITS: page T-9**

**STS-JZ TUBE KITS: page T-10**

**OPTIONAL ACCESSORIES: page T-14**

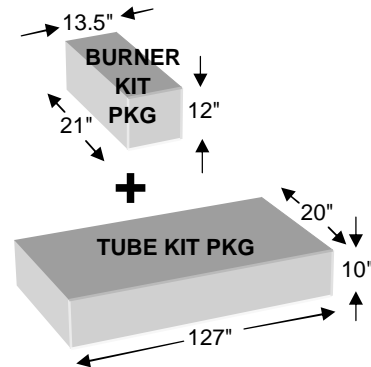
# premierSchwank Tube Heaters STS-JZ Series

## BURNER & TUBE KIT ASSEMBLY CHART

### Which tube kits assemble with a burner kit?

Use the chart below to determine:

- ✓ Available tube length for each firing rate
  - ✓ Available tube kit & quantities for each burner kit
- 1) Select HEATER MODEL / INPUT
  - 2) Order BURNER KIT
  - 3) Order Quantity(s) of TUBE KIT(s)



**Stand-Alone tube kits require no additional tube kits.**  
**Primary tube kits require at least one additional Secondary tube kit**  
**Secondary tube kit requires a Primary tube kit.**

**Chain:**  $((\text{tube length}/10) + 2) \times \text{length at each suspension point}$   
**'S' hooks:**  $(\text{tube length}/10) \times 2 + 4$

<div>Tube Kit Gross Weight (lbs) →</div> <div>Nominal Tube Length (ft) →</div> <div></div>			Order: STS-JZ TUBE KIT PART # & QUANTITY REQUIRED									
			Stand-Alone Kits					Primary Kits +		Secondary Kits		
			70	120	120	170	210	165	165	120	165	210
			10'	20'	20'	30'	40'	30'	30'	20'	30'	40'
MODEL	BURNER KIT <i>Gross Wt = 30 lb</i>		TS-4510-JZ	TS-1020-JZ	TS-1420-JZ	TS-1430-JZ	TS-1040-JZ	TS-F030-JZ	TS-1030-JZ	TS-0020-JZ	TS-0030-JZ	TS-0040-JZ
STS-JZ 45	JS-S045-AN	10'	1									
		20'			1							
STS-JZ 60	JS-S060-AN	20'			1							
		30'				1						
STS-JZ 80	JS-S080-AN	20'			1							
		30'				1						
		40'					1					
STS-JZ 100	JS-S100-AN	20'		1								
STS-JZ 110	JS-S110-AN	30'				1						
		40'					1					
		50'						1+		1		
STS-JZ 130	JS-S130-AN	30'				1						
		40'					1					
		50'						1+		1		
STS-JZ 155	JS-S155-AN	40'					1					
		50'						1+		1		
		60'						1+			1	
STS-JZ 175	JS-S175-AN	50'							1+	1		
		60'							1+		1	
		70'							1+			1
STS-JZ 200	JS-S200-AN	50'							1+	1		
		60'							1+		1	
		70'							1+			1

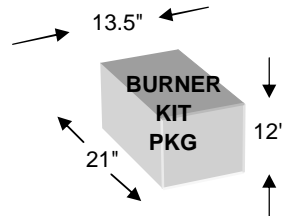
**STS-JZ BURNER KITS: next page**  
**STS-JZ TUBE KITS: page T-10**  
**OPTIONAL ACCESSORIES: page T-14**





## premierSchwank Tube Heaters STS-JZ Series

### BURNER KITS



#### BURNER KITS ARE STOCKED IN NATURAL GAS - FIELD CONVERSION KITS FOR LP ARE LISTED BELOW

BURNER INCLUDES: STATUS INDICATOR LIGHTS, ELECTRICAL CORD & PLUG, MOUNTED IGNITER, BIRDSCREENED 4" DIAMETER AIR INTAKE ADAPTER ON BLOWER.

<u>CAPACITY</u>	<u>AVAILABLE TUBE LENGTHS</u>	<u>FUEL</u>	<u>PART #</u>	<u>LIST PRICE*</u>
45,000 Btuh	10', 20'	N.G.	JS-S045-AN	799.00
60,000 Btuh	20', 30'	N.G.	JS-S060-AN	799.00
80,000 Btuh	20', 30', 40'	N.G.	JS-S080-AN	799.00
100,000 Btuh	20'	N.G. ONLY	JS-S100-AN	799.00
110,000 Btuh	30', 40', 50'	N.G.	JS-S110-AN	799.00
130,000 Btuh	30', 40', 50'	N.G.	JS-S130-AN	799.00
155,000 Btuh	40', 50', 60'	N.G.	JS-S155-AN	799.00
175,000 Btuh	50', 60', 70'	N.G.	JS-S175-AN	829.00
200,000 Btuh	50', 60', 70'	N.G.	JS-S200-AN	829.00

Burner kit contains: Burner assembly, installation manual; the burner fastening nuts & bolts are packed inside the burner housing. All optional accessories are shipped in separate carton.

All burner assemblies operate on line voltage (120VAC).

*Heaters are shipped and invoiced separately as burner kits and tube kits*

*Please order heaters as burner kits + tube kits*

### LPG FIELD CONVERSION KITS FOR STS-JZ BURNERS

Conversion Kits  
for LP to NG are  
listed on pages  
72 & 73

<u>INPUT</u>		<u>PART #</u>	<u>LIST PRICE*</u>
45,000 Btuh	Field Conversion Kit NG to LP	JS-0556-XC	\$ 45.00
60,000 Btuh	Field Conversion Kit NG to LP	JS-0557-XX	24.00
80,000 Btuh	Field Conversion Kit NG to LP	JS-0559-XX	24.00
100,000 Btuh	Available in NG ONLY		
110,000 Btuh	Field Conversion Kit NG to LP	JS-0561-XX	24.00
130,000 Btuh	Field Conversion Kit NG to LP	JS-0563-XX	24.00
155,000 Btuh	Field Conversion Kit NG to LP	JS-0565-XX	24.00
175,000 Btuh	Field Conversion Kit NG to LP	JS-0567-AA	24.00
200,000 Btuh	Field Conversion Kit NG to LP	JS-0567-CC	24.00

**BURNER & TUBE KIT CHART: previous page**

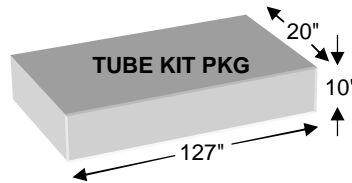
**STS-JZ TUBE KITS: next page**

**OPTIONAL ACCESSORIES: page T-14**



## premierSchwank Tube Heaters STS-JZ Series

### TUBE KITS (emissive coated)



#### FEATURES of the '-JZ' Tube System:

- Webbed hanger joins reflectors - *replaces wire and multi-piece plate hangers*
- Fewer suspension points than 'wire hangers', and no plate hanger assembly
- 'Clean' reflector profile - No extra-piece reflector 'slides' or joiners
- Modular 90° elbow kit with reflector cover ~ simply combine two 90's to make a 180

**Stand-Alone** tube kits require no additional tube kits.

**Primary** tube kits require at least one additional Secondary tube kit.

**Secondary** tube kit require a Primary tube kit.

**Chain:**  $((\text{tube length}/10) + 2) \times \text{length at each suspension point}$

**'S' hooks:**  $(\text{tube length}/10) \times 2 + 4$

*Kits include Tubes, Reflectors, End Caps, Hangers, Tube Couplers and Turbulator(s) as required*

<u>Stand-Alone</u>	(Each kit includes 'JZ' 116" Reflectors, WEBBED Hanger System, Couplers)		<u>TUBE KIT #</u>		<u>LIST PRICE</u>
10' : 45,000 Btuh	Flanged/swaged emissive coated aluminized tube with no ports, one ft turbulator	5	TS-4510-JZ	\$	429.00
20' : 45/60/80,000	Flanged/swaged aluminized tube with no ports, one emissive coated steel swaged tube, one 4 ft turbulator and one 10 ft turbulator		TS-1420-JZ		549.00
20' : 100,000 ONLY	Flanged/swaged Aluminized emissive coated tube with no ports, one emissive coated steel swaged tube, one 10 ft S/S turbulator		TS-1020-JZ		639.00
30' : 60/80/110/130,000	Flanged/swaged aluminized tube with no ports, two emissive coated steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator		TS-1430-JZ		739.00
40' : 80/110/130/155,000	Flanged/swaged aluminized tube with no ports, three emissive coated steel swaged tubes, and one 10 ft turbulator		TS-1040-JZ		929.00

#### Primary Kits [require a Secondary Kit to make (40'), 50', 60' & 70' heaters]

30' : 110/130/155,000	Flanged/swaged aluminized tube with no ports, two emissive coated steel swaged tubes	TS-F030-JZ	729.00
30' : 175/200,000	Flanged/swaged alumatherm tube with no ports, one aluminized swaged tube, one emissive coated steel swaged tube, one 10 ft turbulator	TS-1030-JZ	799.00

#### Secondary Kits [add to above Primary Kits to make (40'), 50', 60' & 70' heaters]

20'	Two emissive coated steel swaged tubes (makes 50' heater with 30' primary)	TS-0020-JZ	469.00
30'	Three emissive coated steel swaged tubes (makes 60' heater with 30' primary)	TS-0030-JZ	659.00
40'	Four emissive coated steel swaged tubes (makes 70' heater with 30' primary)	TS-0040-JZ	849.00
10'	One emissive coated steel swaged tube, and one 10 ft turbulator	TS-1010-JZ	309.00

NOTE: Secondary tube kit TM-1010-SX can be used with TM-F030-SX to create a 40 ft kit.

Do not use this kit to extend heater length beyond the maximum length approved for any input.

**BURNER & TUBE KIT CHART: page T-8**

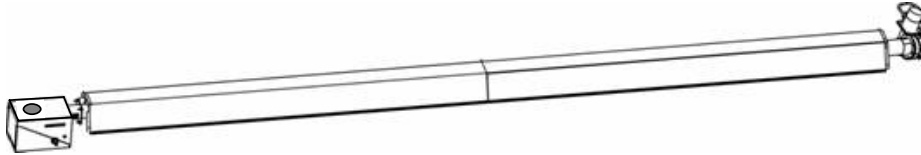
**STS-JZ BURNER KITS: page T-9**

**OPTIONAL ACCESSORIES: page T-14**



## premierSchwank Tube Heaters STV-JZ Vacuum Series

*(Single Tube - emissive coated)*



### COMPLETE SYSTEMS:

MODEL	CAPACITY	Fuel	AVAILABLE TUBE	
			LENGTHS	LIST PRICE
STV-JZ 60	60,000 Btuh	NG	20'	\$ 1,883.00
			30'	2,073.00
STV-JZ 80	80,000 Btuh	NG	30'	2,073.00
			40'	2,263.00 *
STV-JZ 110	110,000 Btuh	NG	40'	2,263.00 *
			50'	2,532.00
STV-JZ 130	130,000 Btuh	NG	40'	2,263.00 *
			50'	2,532.00
STV-JZ 155	155,000 Btuh	NG	50'	2,532.00
			60'	2,722.00

**Burner kit + tube kit(s) + vacuum pump kit  
are shipped to assemble tube  
heater orders.**

**~ See next page for details ~**

\* 40 ft heater price based on  
TS-1040-JZ Tube Kit

#### NOTE:

Standard burners are stocked for  
natural gas fuel only.  
Field conversion kits are required  
for conversion to LP gas -  
refer to **Burner Kits**  
on the page listed below

PRICE INCLUDES BURNER ASSEMBLY AND THE FOLLOWING COMPONENTS AS REQUIRED:

**BURNER KIT:** ELECTRICAL CORD, STATUS INDICATOR LIGHTS, FACTORY MOUNTED IGNITER, FACTORY INSTALLED 24/120V RELAY SWITCH, DROP-DOWN SERVICE ACCESS, BIRDSCREENED 4" DIAMETER AIR INTAKE ADAPTER ON BURNER.; VACUUM PUMP KIT;

**TUBE KIT:** PRIMARY TUBE(S), SECONDARY TUBE(S) WITH EMISSIVE COATING, TUBE COUPLER(S) AND TURBULATOR(S), FOCUS SHIELD REFLECTORS, TWO END PLATE HANGERS, WEBBED HANGERS FOR TUBES & REFLECTORS,

*Burner with accessories, and the reflectors with tubes and accessories are packaged separately and clearly labelled for ease of filling orders and shipping*

**KIT ASSEMBLY CHART: next page**  
**STV-JZ BURNER KITS: next page**  
**VACUUM PUMPS: next page**  
**STV-JZ TUBE KITS: page T-13**  
**OPTIONAL ACCESSORIES: page T-14**



## premierSchwank Tube Heaters STV-JZ Vacuum Series

### BURNER, TUBE & VACUUM PUMP KIT ASSEMBLY CHART

				STSV-JZ TUBE KIT PART # & QUANTITY REQUIRED					
				Stand-Alone			Primary	+ Secondary Kits	
				120	170	210	165	120	165
				20'	30'	40'	30'	20'	30'
MODEL	Order KIT Gross Wt = 25 lb	BURNER Order PUMP Kit	VAC. Nominal Length (ft)	TS-1420-JZ	TS-1430-JZ	TS-1040-JZ	TS-F030-JZ	TS-0020-JZ	TS-0030-JZ
STV-JZ 60	JS-V060-BN	JS-V060-PM	20'	1					
			30'		1				
STV-JZ 80	JS-V080-BN	JS-V080-PM	30'		1				
			40'			1			
STV-JZ 110	JS-V110-BN	JS-V110-PM	40'			1			
			50'				1+	1	
STV-JZ 130	JS-V130-BN	JS-V110-PM	40'			1			
			50'				1+	1	
STV-JZ 155	JS-V155-BN	JS-V110-PM	50'				1+	1	
			60'				1+		1

### STV-JZ BURNER KITS: ALSO REQUIRES VACUUM PUMP KIT BELOW

	CAPACITY	AVAILABLE TUBE LENGTHS	FUEL	Burner Kit PART #	LIST PRICE
	60,000 Btuh	20', 30'	N.G.	JS-V060-BN	\$ 817.00
	80,000 Btuh	30', 40'	N.G.	JS-V080-BN	817.00
	110,000 Btuh	40', 50'	N.G.	JS-V110-BN	817.00
	130,000 Btuh	40', 50'	N.G.	JS-V130-BN	817.00
	155,000 Btuh	50', 60'	N.G.	JS-V155-BN	817.00

### STV-JZ VACUUM PUMP KITS

	Vacuum Pump Kit for STV-JZ-60	JS-V060-PM	\$ 517.00
	Vacuum Pump Kit for STV-JZ-80	JS-V080-PM	517.00
	Vacuum Pump Kit for STV-JZ-110 / 130 / 155	JS-V110-PM	517.00

### LPG FIELD CONVERSION KITS FOR STV-JZ BURNERS

INPUT		PART #	LIST PRICE*
60,000 Btuh	Field Conversion Kit NG to LP	JS-0557-XX	\$ 24.00
80,000 Btuh	Field Conversion Kit NG to LP	JS-0559-XX	24.00
110,000 Btuh	Field Conversion Kit NG to LP	JS-0561-XX	24.00
130,000 Btuh	Field Conversion Kit NG to LP	JS-0563-XX	24.00
155,000 Btuh	Field Conversion Kit NG to LP	JS-0565-XX	24.00

STV-JZ COMPLETE SYSTEMS: previous page

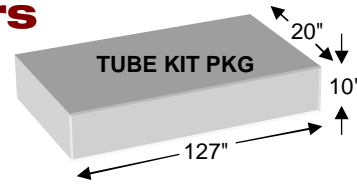
STV-JZ TUBE KITS: next page

OPTIONAL ACCESSORIES: page T-14



## premierSchwank Tube Heaters STV-JZ Vacuum Series

### TUBE KITS (emissive coated)



Chain:  $((\text{tube length}/10) + 2) \times \text{length at each suspension point}$   
'S' hooks:  $(\text{tube length}/10) \times 2 + 4$

<u>Stand-Alone</u>	<b>'-JZ' Tube Kits include 116" reflectors webbed hangers, and tube couplers</b>	<u>TUBE KIT #</u>	<u>LIST PRICE*</u>
<b>20'</b> : 60,000	Flanged/swaged aluminized tube with no ports, one emissive coated steel swaged tube, one 4 ft turbulator and one 10 ft turbulator	TS-1420-JZ	\$ 549.00
<b>30'</b> : 60/80,000	Flanged/swaged aluminized tube with no ports, two emissive coated steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TS-1430-JZ	739.00
<b>40'</b> : 80/110/130,000	Flanged/swaged aluminized tube with no ports, three emissive coated steel swaged tubes, and one 10 ft turbulator	TS-1040-JZ	929.00
<b><u>Primary Kits</u></b> [to make (40'), 50', 60' & 70' heaters]			
<b>30'</b> : 110/130/155,000	Flanged/swaged aluminized tube with no ports, two emissive coated steel swaged tubes	TS-F030-JZ	729.00
<b><u>Secondary Kits</u></b> [add to above Primary Kits to make (40'), 50', 60' & 70' heaters]			
<b>10'</b>	One emissive coated steel swaged tube, and one 10 ft turbulator	TS-1010-JZ	309.00
<b>20'</b>	Two emissive coated steel swaged tubes	TS-0020-JZ	469.00
<b>30'</b>	Three emissive coated steel swaged tubes	TS-0030-JZ	659.00

**COMPLETE STV-JZ SYSTEMS: page T-11**  
**STV-JZ BURNER, VACUUM PUMP & TUBE**  
**KIT ASSEMBLY CHART: previous page**  
**OPTIONAL ACCESSORIES: next page**



## OPTIONAL ACCESSORIES - Page 1 of 3

### STS-JZ, STV-JZ TUBE HEATERS

More Options: Next page.

Thermostats: Page after next.

#### LIST PRICE

<b>Hanging Chain</b> - 50 ft box of #8 Jack Chain - 'S' hooks separate - see next item quantity: ((tube length/10) + 2) x length at each suspension point	JL-0798-JC	\$	58.00
<b>'S' Hooks</b> - 1 $\frac{7}{8}$ " - Package of 25 quantity: ((tube length/10) x 2 + 4	JL-0798-SH		22.50

### Combustion Air Intake Hood: *Optional*

Not all tube heater applications require outside air for combustion.

Schwank recommends outside combustion air for conditions:

- ☐ A building under negative air condition
- ☐ Dusty environment in the building
- ☐ Presence of chemical or process contaminants such as welding smoke
- ☐ Sealed combustion is required or advised for the project



Wall Hood



Roof Cap

STS-JZ & STV-JZ models are shipped with a 4" diameter collar on top of the blower or burner for vent attachment.

Outside combustion air can be acquired from an outside wall or from the roof using 4" diameter vent pipe.

Please refer to the installation manual for complete details on venting and combustion air duct.

	PART #		LIST PRICE
4" Outside Air Intake Wall Vent Hood ~ birdscreened, flush mount	JS-0532-VC	\$	25.90
4" Roof Cap - fits single wall vent/duct	JA-0530-XX		46.60

### Vent Stuff:



Wall Terminal\*

### Flue Vent Terminals:

- 4" horizontal (through wall)
- 6" horizontal

PART #		LIST PRICE
JA-0528-XX	\$	38.30
JA-0529-XX		46.60

Use this termination cap by Schwank, or use the termination cap for double walled pipe as supplied by that manufacturer

\* Fits single wall vent pipe - field crimp required to fit to double wall pipe

Vent Tee 4" X 4" X 6"  
(Two couplers JA-0516-AA are optional)



4" x 4" x 6"  
Vent Tee

JA-0514-XX		191.00
------------	--	--------

Optional Couplers for Vent Tee:

4" x 8" Aluminized Steel Coupler with 2 x U-bolts

JA-0516-AA		40.40
------------	--	-------

### USA ONLY: Flexible Gas Connectors for Tube Heaters: *Not for use with tube heaters in Canada*



**Note:** Minimum length for tube heater flexible connector is 24 inches. Revisions to the Gas Code/Standards are anticipated for Fall 2008. A bulletin will be issued when the Standard revisions are finalized.

Flexible Gas Connector 1/2" x 24" - for 45 to 155 Mbh	JL-0771-XX	\$	31.10
Flexible Gas Connector 3/4" x 24" - for 175 to 200 Mbh	JL-0771-ZZ		100.00

### CANADA ONLY: Hose Type Gas Connectors for Tube Heaters: *Not for use in USA*

Hose type gas connectors are required only for tube heaters by B-149-2005 (Section 7.22.3)

Type 1 Hose Connector 1/2" x 36" - 1/2" MPT each End - for 45 to 155 Mbh	JL-0771-RC	\$	32.10
Type 1 Hose Connector 3/4" x 36" - 1/2" MPT + 3/4" MPT - for 175 & 200 Mbh	JL-0771-RB		75.00



## OPTIONAL ACCESSORIES - Page 2 of 3

### STS-JZ, STV-JZ TUBE HEATERS

#### Decorative 'Tuxedo' Grille Kit - Matte Black finish

Dress up your tube heater installations.

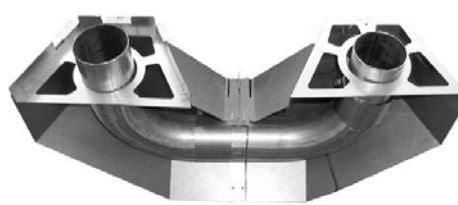
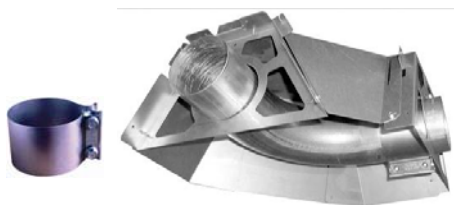
- Ideal for: ☐ Showrooms  
☐ Retail areas  
☐ Any area requiring a more refined 'look'



Matte black grille & aluminized steel framing secures with tabs to 'JZ' Series heater reflectors. (Not for S100 Series)

Decorative 'Tuxedo' Grille Kit - 10 ft - Matte Black Grille    Each 10 foot section    TG-0010-KT    \$    349.00

#### ST-JZ Elbow Kits:



**ST-JZ 45° Aluminized Steel Elbow Kit - NO reflector cover:**  
*(Elbow can be installed right or left hand: Includes coupler & end plate hanger)*

JS-0528-JZ    \$    188.00

**ST-JZ 90° Aluminized Steel Elbow & Reflector Cover Kit:**  
*(Elbow can be installed right or left hand - Includes coupler, reflector cover, hanger plate)*

JS-0508-JZ    155.00

**ST-JZ 180° Elbow & Reflector Cover Kit:** ORDER: TWO x 90° ELBOW KITS

JS-0508-JZ x 2    310.00

➔ **Reflector Angle Adapter** - one required each juncture of angle change

JS-0504-JZ    \$    15.10

**NOTE:** The elbow reflector cap must always be in the same plane as the elbow - cap cannot be angled independently  
 The Reflector Angle Adapter is required for angle mounting a reflector section before or after an elbow  
 Or for mounting of a reflector section at an independent angle relative to the other reflectors in the system.

#### Other Optional Accessories:

Reflector Angle Adapter (see Note above)

JS-0504-JZ    \$    15.10

*This item is required for changing angle of a reflector section before or after an elbow or other section of reflector*

Side Reflector Extension ( - All models - 10" deep x 116" long c/w 'S' hooks)

JS-0509-KT    45.60

#8 Hanging Chain - (box of 50' Jack Chain - 'S' hooks separate - see next item)

JL-0798-JC    58.00

'S' Hooks - 1 7/8" - Package of 25

JL-0798-SH    22.50

High Temp, Touch Up Paint -369g aerosol can

JA-0587-XX    25.90

**STS 5 ft length Tube Protection Screen**  
 (1/2" x 1/2" galvanized screen)  
 (custom order: longer lead time)

JA-0780-XX    58.00



**THERMOSTATS & CONTROL OPTIONS on next page**





## OPTIONAL ACCESSORIES - Page 3 of 3

### STS-JZ & STV-JZ THERMOSTATS & CONTROLS

STS-JZ, STV-JZ, STW-JZ & SPW-JZ tube heaters are "factory ready" for line voltage or 24V thermostat;

Multiple heaters per 24 volt thermostat require option JM-0303-KT (see below)

Heaters manufactured prior to May 1, 2006 require 24V Field Mounted Kit for 24V control

Line Voltage Thermostat  
(°F & °C Scales)



JL-0772-XX

\$ 38.30

Low Voltage (24V) Digital Thermostat  
(°F / °C Selectable)



JS-0569-WR

72.00

TruTemp Infrared Setback Thermostat  
(°F & °C scales)

(see more info on the TruTemp on page T-50)



JM-0150-XX

206.00

Moisture Proof Thermostat (NEMA 4X enclosure)



JS-0570-XX

331.00

Honeywell Farm-O-Stat



JB-0772-XX

206.00

60 Minute Timer

JL-0774-US

97.00

### 24 VOLT CONTROL OPTIONS:

(Required for multiple heaters per TruTemp or 24V thermostat) Refer to guidelines page T-51



**Control Two to Seven Tube Heaters per 24V Thermostat:**

24V Transformer/Relay Kit

JM-0303-KT

103.00

FIELD MOUNTS ON EXTERIOR  
BURNER HOUSING OF  
ONE HEATER IN ZONE

### ST- Series Burners prior to May 1, 2006:

For control of heaters manufactured prior to May 1, 2006,  
the ST-series 24V Field Mounted Kit is required for 24V thermostat control:

**For Single STS-JZ:** ST-series 24V Field Mounted Kit (see note in line above)  
(Single heater per thermostat)

JS-0568-KT

\$ 36.30







# builderSchwank Tube Heaters

## S100 & S100U Series

### HEATER & ACCESSORY SELECTION CHART

**S100 SERIES: 24V GAS VALVE & IGNITION CONTROL**

**S100 SERIES IS STOCKED IN NATURAL GAS ONLY**  
CONVERSION KIT REQUIRED FOR LP GAS  
(SEE DETAILS IN PRICE PAGES)

#### S100(U) BURNER KITS

45,000	<b>\$100</b> 45	JS-E045-BN
60,000	<b>\$100</b> 60	JS-E060-BN
80,000	<b>\$100</b> 80	JS-E080-BN
100,000	<b>\$100</b> 100	JS-E100-BN
110,000	<b>\$100</b> 110	JS-E110-BN
130,000	<b>\$100</b> 130	JS-E130-BN
155,000	<b>\$100</b> 155	JS-E155-BN
175,000	<b>\$100</b> 175	JS-E175-BN
200,000	<b>\$100</b> 200	JS-E200-BN

**SELECT ONE TYPE OF TEMPERATURE CONTROL DEPENDING ON VOLTAGE AND QUANTITY OF THERMOSTAT(S) REQUIRED**

NOTE: WHEN TWO HEATERS ARE COMMON VENTED, BOTH HEATERS MUST BE CONTROLLED BY THE SAME THERMOSTAT

**EITHER**

#### LINE VOLTAGE THERMOSTAT

JL-0772-XX

CALL FOR HEAT POWERS HEATER

THERMOSTAT NOT INCLUDED WITH HEATER

**OR**

#### 24 VOLT THERMOSTAT JS-0569-WR

REQUIRES 24 VOLT TRANSFORMER/ RELAY OR RELAY KIT, TO POWER 24 VOLT THERMOSTAT;  
CALL FOR HEAT POWERS RELAY

**OR**

#### TRUTEMP THERMOSTAT (24V)

JM-0150-XX

AUTO SET-BACK; SENSES AMBIENT AND RADIANT TEMPERATURES FOR OPTIMUM ENERGY SAVINGS & COMFORT  
CALL FOR HEAT POWERS RELAY

#### FOR SINGLE S100 PER 24V THERMOSTAT

ONE THERMOSTAT CONTROLS ONE HEATER  
S100 24V/120V RELAY KIT JS-0568-KT  
24V THERMOSTAT  
OR TRU-TEMP THERMOSTAT:  
THERMOSTAT NOT INCLUDED IN KIT

**AND**

**EITHER**

#### FOR 2 to 7 S100 PER 24V THERMOSTAT

TRANSFORMER / RELAY KIT JM-0303-KT  
THERMOSTAT CONTROLS 2 to 7 HEATERS  
REQUIRED WITH 24 VOLT THERMOSTAT  
OR TRU-TEMP THERMOSTAT  
THERMOSTAT NOT INCLUDED IN RELAY KIT

**OR**

**AND**

#### TUBE KIT(S) See larger detail in Price Pages

BURNER KIT FIRING RATE	Heater Tube Length	STRAIGHT TUBE KIT PART # & QUANTITY REQUIRED									
		Stand-Alone Kits						Primary Kits		Secondary Kits	
		TM-4510-SX	TM-4520-SX	TM-1020-SX	TM-1420-SX	TM-1430-SX	TM-1040-SX	TM-F030-SX	TM-1030-SX	TM-0020-SX	TM-0030-SX
45,000	10'	1									
	20'		1								
60,000	20'				1						
	30'					1					
80,000	20'					1					
	30'						1				
	40'							1			
100,000	20'			1							
	30'					1					
110,000	30'						1				
	40'							1+		1	
	50'										
130,000	30'					1					
	40'						1			1	
	50'							1+			
155,000	40'						1				
	50'							1+			
	60'								1+		
175,000	50'								1+	1	1
	60'										
	70'								1+	2	1
200,000	50'								1+	1	1
	60'										
	70'								1+	2	1

**AND**

6" Horizontal Wall Cap JA-0529-XX  
OR 6" Roof Vent Cap JA-0531-XX

**OR**

#### 4" X 4" X 6" TEE

JA-0514-XX

Used for:  
**COMMON VENTING**  
of TWO Systems  
Requires common  
Thermostat

**AND**

#### SINGLE HEATER VENT TERMINATION CAP

4" Horizontal Wall Cap JA-0528-XX  
OR 4" Roof Vent Cap JA-0530-XX

**AND OPTIONAL  
ITEMS**

#### GAS CONNECTOR

USA - use Stainless Steel  
Flexible Gas Connector  
CANADA - use Hose Type  
Gas Connector  
See 'Accessories' page for details

#### Fresh Air Intake Adapter

JS-0532-SE

#### Fresh Air Intake Hood

JS-0532-VC

#### 50' JACK CHAIN KIT

JL-0798-JC

Number Suspension Points:  
= (Heater Length ÷ 10) x 2  
e.g.: 50' Heater = (50/10) x 2 = 10

#### S' HOOKS - Pkg of 25

JL-0798-SH



# builderSchwank Tube Heaters S100 & S100U Series

**(Single Straight Tube - NOT emissive coated)**

(Tube kits for S100-45-10' & S100-100-20' have emissive coating)



## S100 FEATURES SUMMARY:

- Line voltage thermostat ready
- Simple relay option for 24V thermostat
- Reflector & end caps improve IR heat output
- Swing-down cabinet service access
- Whisper quiet ceramic burner

## COMPLETE SYSTEMS:

MODEL	CAPACITY	AVAILABLE TUBE		LIST PRICE
			LENGTH	
S100 45	45,000 Btuh	NG	10'	\$ 1,107.00
			20'	1,159.00
S100 60	60,000 Btuh	NG	20'	1,159.00
			30'	1,293.00
S100 80	80,000 Btuh	NG	20'	1,159.00
			30'	1,293.00
			40'	1,428.00 *
S100 100	100,000 Btuh	NG Only	20'	1,293.00
			30'	1,293.00
S100 110	110,000 Btuh	NG	40'	1,428.00 *
			50'	1,665.00
			30'	1,293.00
S100 130	130,000 Btuh	NG	40'	1,428.00 *
			50'	1,665.00
			40'	1,428.00 *
S100 155	155,000 Btuh	NG	50'	1,665.00
			60'	1,808.00
			50'	1,789.00
S100 175	175,000 Btuh	NG	60'	1,932.00
			70'	2,076.00
			50'	1,789.00
S100 200	200,000 Btuh	NG	60'	1,932.00
			70'	2,076.00

**Individual burner kits + tube kits  
are shipped to assemble tube  
heater orders.**

**~ See next page for details ~**

\* 40 ft heater price based on  
TM-1040-SX Tube Kit

## NOTE:

Standard burners are stocked for  
natural gas fuel only.  
Field conversion kits are required  
for conversion to LP gas -  
refer to **Burner Kits**  
on the page listed below

PRICES INCLUDE BURNER ASSEMBLY AND THE FOLLOWING COMPONENTS AS REQUIRED:

**TUBE KIT:** PRIMARY & SECONDARY TUBE(S), REFLECTORS, TWO REFLECTOR END CAPS, WIRE REFLECTOR/TUBE HANGERS, TUBE COUPLER(S), AND TURBULATOR(S)

**BURNER:** BIRDSCREEN ON BLOWER, IGNITER (FIELD MOUNTS IN 1st TUBE). **OPTIONAL:** FRESH AIR INTAKE ADAPTER & HOOD  
Burner with accessories, and the reflectors, tubes and accessories are packaged separately and clearly labelled for ease of filling orders and shipping

All optional accessories are shipped in a separate carton.

Please Order Heaters as burner kits +tube kit(s)

Heaters are shipped and invoiced as burner kits and tube kits

**Heater & Accessory Selection Chart: Previous Page**  
**BURNER & TUBE KIT CHART: Next Page**  
**S100 BURNER KITS: Page 30**  
**S100 TUBE KITS: Page 29**  
**OPTIONAL ACCESSORIES: Page 39**

# builderSchwank Tube Heaters S100 Series

## BURNER & TUBE KIT\* ASSEMBLY CHART

*Which tube kits assemble with a burner kit?*

Use the chart below to determine:

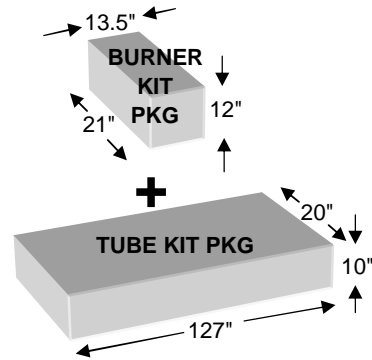
- ✓ Available tube length for each firing rate
- ✓ Available tube kit & quantities for each burner kit

- 1) Select HEATER MODEL
- 2) Order BURNER KIT
- 3) Order Quantity(s) of TUBE KIT(s)

**Stand-Alone tube kits require no additional tube kits.**

**Primary tube kits require at least one additional Secondary tube kit**

**Secondary tube kit require a Primary tube kit.**



**Chain:**  $((\text{tube length}/10) \times 2 + 1) \times \text{length}$   
at each suspension point  
**'S' hooks:**  $(\text{tube length}/10) \times 4 + 2$

			S100 TUBE KIT PART # & QUANTITY REQUIRED									
			Stand-Alone Kits					Primary Kits		+ Secondary Kits		
			80	120	120	170	210	165	165	120	165	210
			10'	20'	20'	30'	40'	30'	30'	20'	30'	40'
MODEL S100 INPUTS (Btuh)	Order KIT	BURNER Gross Wt = 30 lbs	TM-4510- SX	TM-1020- SX	TM-1420- SX	TM-1430- SX	TM-1040- SX	TM-F030- SX	TM-1030- SX	TM-0020- SX	TM-0030- SX	TM-0040- SX
45,000	JS-E045-BN	10'	1									
		20'			1							
60,000	JS-E060-BN	20'			1							
		30'				1						
80,000	JS-E080-BN	20'			1							
		30'				1						
		40'					1					
100,000	JS-E100-BN	20'		1								
		30'				1						
110,000	JS-E110-BN	40'					1					
		50'						1+		1		
130,000	JS-E130-BN	30'				1						
		40'					1	1+		1		
		50'						1+				
155,000	JS-E155-BN	40'					1					
		50'						1+		1		
		60'						1+			1	
175,000	JS-E175-BN	50'							1+	1		
		60'							1+		1	
		70'							1+			1
200,000	JS-E200-BN	50'							1+	1		
		60'							1+		1	
		70'							1+			1

**\*NOTE: S100 Series tubes are NOT emissive coated**(except 10' x 45,000 & 20' x 100,000 Btuh tubes are emissive coated)

**COMPLETE SYSTEMS:** previous page

**S100 TUBE KITS:** next page

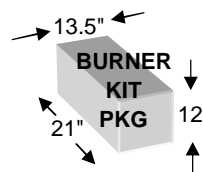
**S100 BURNER KITS:** page T-20

**OPTIONAL ACCESSORIES:** page T-32



# builderSchwank Tube Heaters S100 Series

## BURNER KITS



BURNER KITS ARE STOCKED IN NATURAL GAS - FIELD CONVERSION KITS FOR LP ARE LISTED BELOW

<u>INPUT</u>	<u>AVAILABLE TUBE LENGTHS</u>	<u>FUEL</u>	<u>PART #</u>	<u>LIST PRICE*</u>
45,000 Btuh	10', 20'	N.G.	JS-E045-BN	683.00
60,000 Btuh	20', 30', 10'U	N.G.	JS-E060-BN	683.00
80,000 Btuh	20', 30', 40', 10'U	N.G.	JS-E080-BN	683.00
100,000 Btuh	20'	N.G. ONLY	JS-E100-BN	683.00
110,000 Btuh	30', 40', 50', 15'U, 20'U	N.G.	JS-E110-BN	683.00
130,000 Btuh	30', 40', 50', 15'U, 20'U	N.G.	JS-E130-BN	683.00
155,000 Btuh	40', 50', 60', 20'U, 30'U	N.G.	JS-E155-BN	683.00
175,000 Btuh	50', 60', 70', 30'U	N.G.	JS-E175-BN	714.00
200,000 Btuh	50', 60', 70', 30'U	N.G.	JS-E200-BN	714.00

The following items are packed inside the burner assembly carton: Burner fastening nuts, igniter, installation manual.

**All S100 series burner assemblies operate on line voltage (120VAC).**

**For 24V control of S100 Series Heaters, see Optional Accessories and refer to ' 24V Guidelines' page T-51**

*Please order heaters as burner kits +tube kit(s)*

*Heaters are shipped and invoiced as burner kits and tube kits*

## LPG FIELD CONVERSION KITS FOR S100 BURNERS

Conversion Kits  
for LP to NG are  
listed on  
page T-52

<u>INPUT</u>		<u>PART #</u>	<u>LIST PRICE*</u>
45,000 Btuh	Field Conversion Kit NG to LP	JS-0556-XE	#####
60,000 Btuh	Field Conversion Kit NG to LP	JS-0557-XX	24.00
80,000 Btuh	Field Conversion Kit NG to LP	JS-0559-XX	24.00
100,000 Btuh	Available in NG ONLY		
110,000 Btuh	Field Conversion Kit NG to LP	JS-0561-XX	24.00
130,000 Btuh	Field Conversion Kit NG to LP	JS-0563-XX	24.00
155,000 Btuh	Field Conversion Kit NG to LP	JS-0565-XX	24.00
175,000 Btuh	Field Conversion Kit NG to LP	JS-0567-AA	24.00
200,000 Btuh	Field Conversion Kit NG to LP	JS-0567-CC	24.00

**S100 SYSTEMS: page T-18**

**S100 KIT ASSEMBLY CHART: page T-19**

**S100U SYSTEMS: next page**

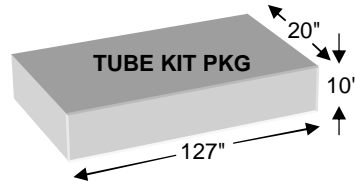
**S100U KIT ASSEMBLY CHART: page T-23**

**OPTIONAL ACCESSORIES: page T-32**



## builderSchwank Tube Heaters S100 Series

### TUBE KITS (NOT emissive coated\*) for STRAIGHT RUN TUBE HEATERS



\* Tubes for the 10 ft x 45,000 & 20 ft x 100,000 Btuh heaters are emissive coated

**Stand-Alone** tube kits require no additional tube kits.

**Primary** tube kits require at least one additional Secondary tube kit.

**Secondary** tube kit require a Primary tube kit.

**Chain:**  $((\text{tube length}/10) \times 2 + 1) \times \text{length}$   
at each suspension point  
**'S' hooks:**  $(\text{tube length}/10) \times 4 + 2$

*Kits include Tubes, Reflectors, End Caps, Hangers, and Tube Couplers*

<b>Stand-Alone</b>	<b>Description</b>	<b>TUBE KIT #</b>	<b>LIST PRICE</b>
<b>10'</b> : 45,000 ONLY	Flanged/swaged aluminized emissive coated tube with sight glass and igniter ports, and one 5 ft turbulator	TM-4510-SX	\$ 424.00
<b>20'</b> : 45/60/80,000	Flanged/swaged aluminized tube with sight glass and igniter ports, one steel swaged tube, one 4 ft turbulator and one 10 ft turbulator	TM-1420-SX	476.00
<b>20'</b> : 100,000 ONLY	Flanged/swaged aluminized emissive coated tube with sight glass and igniter ports, one steel swaged emissive coated tube, and one 10 ft S/S turbulator	TM-1020-SX	610.00
<b>30'</b> : 60/80/110/130,000	Flanged/swaged aluminized tube with sight glass and igniter port, two steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TM-1430-SX	610.00
<b>40'</b> : 80/110/130/155,000	Flanged/swaged aluminized tube with sight glass and igniter port, three steel swaged tubes, one 10 ft turbulator	TM-1040-SX	745.00
<b>Primary Kits</b> [to make (40'), 50', 60' & 70' heaters]			
<b>30'</b> : 110/130/155,000	Flanged/swaged aluminized tube with sight glass and igniter port, two steel swaged tubes	TM-F030-SX	600.00
<b>30'</b> : 175/200,000	Flanged/swaged alumatherm tube with sight glass and igniter port, one aluminized swaged tube, one steel swaged tube, one 10 ft turbulator	TM-1030-SX	693.00
<b>Secondary Kits</b> [add to above Primary Kits to make (40'), 50', 60' & 70' heaters]			
<b>20'</b>	Four steel swaged tubes (makes 70' heater with 30' primary)	TM-0020-SX	382.00
<b>30'</b>	Four steel swaged tubes (makes 70' heater with 30' primary)	TM-0030-SX	525.00
<b>40'</b>	Four steel swaged tubes (makes 70' heater with 30' primary)	TM-0040-SX	669.00
<b>10'</b>	One steel swaged tube, and one 10 ft turbulator	TM-1010-SX	258.00

NOTE: Secondary tube kit TM-1010-SX can be used with TM-F030-SX to create a 40 ft kit.  
Do not use this kit to extend heater length beyond the maximum length approved for any input.

**KIT ASSEMBLY CHART:** previous page  
**S100 BURNER KITS:** next page  
**S100 COMPLETE SYSTEMS:** page T-18  
**OPTIONAL ACCESSORIES:** page T-32



## builderSchwank Tube Heaters S100U Series

(Side-by-Side 'U' Tube - NOT emissive coated)



### S100 FEATURES SUMMARY:

- Line voltage thermostat ready
- Simple relay option for 24V thermostat
- Double-wide reflector covers both tubes
- Swing-down cabinet service access
- Whisper quiet ceramic burner

### COMPLETE SYSTEMS:

			AVAILABLE TUBE			
MODEL		CAPACITY	Fuel	LENGTH		LIST PRICE
S100U	60	60,000 Btuh	NG	2 x 10'	\$	1,303.00
S100U	80	80,000 Btuh	NG	2 x 10'		1,303.00
				2 x 15'		1,531.00
S100U	110	110,000 Btuh	NG	2 x 15'		1,531.00
				2 x 20'		1,583.00
S100U	130	130,000 Btuh	NG	2 x 15'		1,531.00
				2 x 20'		1,583.00
S100U	155	155,000 Btuh	NG	2 x 20'		1,583.00
				2 x 30'		1,944.00
S100U	175	175,000 Btuh	NG	2 x 30'		2,099.00
S100U	200	200,000 Btuh	NG	2 x 30'		2,099.00

**Individual burner kits + tube kits  
are shipped to assemble tube  
heater orders.  
~ See next page for details ~**

### NOTE:

Standard burners are stocked for natural gas fuel only.  
Field conversion kits are required for conversion to LP gas - refer to **Burner Kits** on the page listed below

PRICES INCLUDE BURNER ASSEMBLY AND THE FOLLOWING COMPONENTS AS REQUIRED:

**TUBE KIT:** PRIMARY & SECONDARY TUBE(S), TURN BOX, DOUBLE REFLECTORS, TWO REFLECTOR END CAPS, REFLECTOR/TUBE HANGERS, TUBE COUPLER(S), AND TURBULATOR(S).

**BURNER** BIRDSCREEN ON BLOWER, IGNITER (FIELD MOUNTS IN 1st TUBE) . **OPTIONAL:** FRESH AIR INTAKE ADAPTER & HOOD

*All optional accessories are shipped in a separate carton.*

**All S100 series burner assemblies operate on line voltage (120VAC).**

**For 24V control of S100 Series heaters, see Optional Accessories and refer to '24V Guidelines' page T-51**

*Please order heaters as burner kits +tube kit(s)  
Heaters are shipped and invoiced as burner kits and tube kits*

**S100U BURNER KITS:** previous page  
**S100U BURNER & TUBE KIT CHART:** page T-23  
**S100U TUBE KITS:** page T-25  
**OPTIONAL ACCESSORIES:** page T-32



# builderSchwank Tube Heaters S100U Series

## BURNER & 'U'-TUBE KIT\* ASSEMBLY CHART

### Which tube kits assemble with a burner kit?

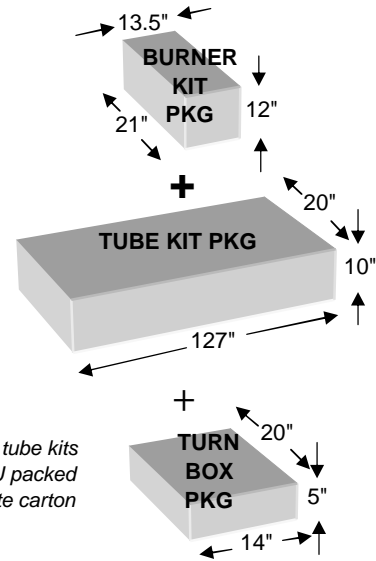
Use the chart below to determine:

- ✓ Available tube length for each firing rate
- ✓ Available tube kit & quantities for each burner kit

- 1) Select HEATER MODEL
- 2) Order BURNER KIT
- 3) Order Quantity(s) of TUBE KIT(S)

**Chain:**  $((\text{tube length}/10) \times 4 + 1) \times \text{length}$   
at each suspension point  
**'S' hooks:**  $(\text{tube length}/10) \times 8 + 2$

"Stand-Alone" & "Primary" tube kits  
include Turn Box JS-0513-BU packed  
and shipped in a separate carton



			Stand-Alone **			Primary **		2ndary
Tube Kit Gross Weight (lbs) ->			100	145	170	170	170	65
Side-by-Side Tubes Length ->			10'	15'	20'	20'	20'	10'
HEATER MODEL	Order Gross Wt = 30 lbs	BURNER KIT	TM-1410-SU	TM-1415-SU	TM-1020-SU	TM-0020-SU	TM-A120-SU	TM-0010-SU
S100U 60	JS-E060-BN	2 x 10'	1					
S100U 80	JS-E080-BN	2 x 10'	1					
		2 x 15'		1				
S100U 110	JS-E110-BN	2 x 15'		1				
		2 x 20'			1			
S100U 130	JS-E130-BN	2 x 15'		1				
		2 x 20'			1			
S100U 155	JS-E155-BN	2 x 20'			1			
		2 x 30'				1+		1
S100U 175	JS-E175-BN	2 x 30'					1+	1
S100U 200	JS-E200-BN	2 x 30'					1+	1

**\*NOTE: S100U series tubes are NOT emissive coated**

\*\* These kits include Turn Box JS-0513-BU  
packed and shipped in a separate carton

Stand-Alone tube kits require no additional tube kits.

Primary tube kits require at least one additional Secondary tube kit.

Secondary tube kit require a Primary tube kit.

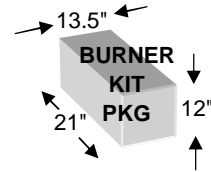
**S100U Complete Systems: previous page**  
**S100U Burner Kits: page T-24**  
**S100U Tube Kits: next page**





# builderSchwank Tube Heaters S100U Series

## BURNER KITS



BURNER KITS ARE STOCKED IN NATURAL GAS - FIELD CONVERSION KITS FOR LP ARE LISTED BELOW

<u>INPUT</u>	<u>AVAILABLE TUBE LENGTHS</u>	<u>FUEL</u>	<u>PART #</u>	<u>LIST PRICE*</u>
45,000 Btuh	10', 20'	N.G.	JS-E045-BN	\$ 683.00
60,000 Btuh	10'U, 20', 30'	N.G.	JS-E060-BN	683.00
80,000 Btuh	10'U, 20', 30', 40'	N.G.	JS-E080-BN	683.00
110,000 Btuh	15'U, 20'U, 30', 40', 50'	N.G.	JS-E110-BN	683.00
130,000 Btuh	15'U, 20'U, 30', 40', 50'	N.G.	JS-E130-BN	683.00
155,000 Btuh	20'U, 30'U, 40', 50', 60'	N.G.	JS-E155-BN	683.00
175,000 Btuh	30'U, 50', 60', 70'	N.G.	JS-E175-BN	714.00
200,000 Btuh	30'U, 50', 60', 70'	N.G.	JS-E200-BN	714.00

The following items are packed inside the burner assembly carton: Burner fastening nuts, igniter, installation manual.

\* Burner & tube kit prices represent the component prices in conjunction with purchasing a complete system.

**All S100 series burner assemblies operate on line voltage (120VAC).**

**For 24V control of S100 Series heaters, see Optional Accessories and refer to '24V Guidelines' page T-51**

*Please order heaters as burner kits +tube kit(s)*

*Heaters are shipped and invoiced as burner kits and tube kits*

## LPG FIELD CONVERSION KITS FOR S100 BURNERS

Conversion Kits  
for LP to NG are  
listed on Pages  
72 & 73

<u>INPUT</u>		<u>PART #</u>	<u>LIST PRICE*</u>
45,000 Btuh	Field Conversion Kit NG to LP	JS-0556-XE	\$ 35.00
60,000 Btuh	Field Conversion Kit NG to LP	JS-0557-XX	24.00
80,000 Btuh	Field Conversion Kit NG to LP	JS-0559-XX	24.00
100,000 Btuh	Available in NG ONLY		
110,000 Btuh	Field Conversion Kit NG to LP	JS-0561-XX	24.00
130,000 Btuh	Field Conversion Kit NG to LP	JS-0563-XX	24.00
155,000 Btuh	Field Conversion Kit NG to LP	JS-0565-XX	24.00
175,000 Btuh	Field Conversion Kit NG to LP	JS-0567-AA	24.00
200,000 Btuh	Field Conversion Kit NG to LP	JS-0567-CC	24.00

**S100U SYSTEMS: page T-23**

**S100U KIT ASSEMBLY CHART: page T-24**

**S100 SYSTEMS: page T-18**

**S100 KIT ASSEMBLY CHART: page T-19**

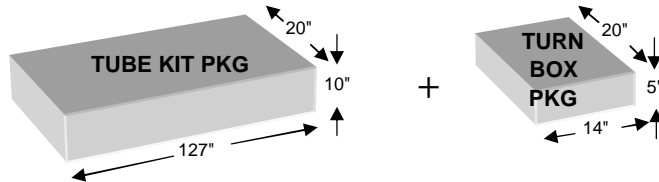
**OPTIONAL ACCESSORIES: page T-32**





# builderSchwank Tube Heaters S100U Series

## TUBE KITS (NOT emissive coated)



"Stand-Alone" & "Primary" tube kits include Turn Box JS-0513-BU packed and shipped in a separate carton

**Stand-Alone** tube kits require no additional tube kits.  
**Primary** tube kits require at least one additional Secondary tube kit.  
**Secondary** tube kit require a Primary tube kit.

**Chain:**  $((\text{tube length}/10) \times 4 + 1) \times \text{length}$   
**at each suspension point**  
**'S' hooks:**  $(\text{tube length}/10) \times 8 + 2$

*Kit includes Tubes, Reflectors, End Caps, Hangers, Tube Couplers*

<u>Stand-Alone</u>	<u>Description</u>	<u>TUBE KIT #</u>	<u>LIST PRICE*</u>
<b>10'U</b> : 60/80,000	Flanged/swaged aluminized tube with sight glass and igniter port, one steel swaged tube, one 4 ft turbulator and one 10 ft turbulator	TM-1410-SU	\$ 620.00
<b>15'U</b> : 80/110/130,000	Flanged/swaged aluminized tube with sight glass and igniter port, one 10' steel swaged tube, two 5' steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TM-1415-SU	848.00
<b>20'U</b> : 110/130/155,000	Flanged/swaged aluminized tube with sight glass and igniter port, three steel swaged tubes, one 10 ft turbulator	TM-1020-SU	900.00
<b>Primary Kits</b> [to make 30'U-Tube heaters - requires Primary + Secondary kit below]			
<b>20'U</b> : 155,000	Flanged/swaged aluminized tube with sight glass and igniter port, three steel swaged tubes	TM-0020-SU	879.00
<b>20'U</b> : 175/200,000	Flanged/swaged alumatherm tube with sight glass and igniter port, one aluminized swaged tube, two steel swaged tube, one 10 ft turbulator	TM-A120-SU	1,003.00

Included with each of the above tube kits is one turn box; packed and shipped in a separate carton ( price is included in tube kit price)

**Secondary Kits** (add to above Primary Kit to make 30' U-Tube heaters)

<b>2 x 10'</b>	Two steel swaged tubes	TM-0010-SU	382.00
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*Please order heaters as burner kits + tube kit(s)  
Heaters are shipped and invoiced as burner kits and tube kits*

**S100U COMPLETE SYSTEMS: page T-22**  
**S100 & S100U BURNER KITS: page T-24**  
**S100 OPTIONAL ACCESSORIES: page T-32**



## WhisperJet TUBE HEATERS SET SERIES - TWO STAGE



### SET FEATURES SUMMARY:

- 2 Stage burner operation
- Status indicator lights
- Straight tube or 'U'-tube configuration
- Swing-down cabinet service access
- Whisper quiet ceramic burner

### COMPLETE SYSTEMS:

MODEL	CAPACITY High/Low Btuh	AVAILABLE TUBE		LIST PRICE
		Fuel	LENGTH	
SET 80/60	80,000/60,000	NG	20'	\$ 1,407.00
			30'	1,541.00
SET 110/75	110,000/75,000	NG	30'	1,541.00
			40'	1,676.00 *
SET 130/90	130,000/90,000	NG	30'	1,541.00
			40'	1,676.00 *
SET 155/110	155,000/110,000	NG	40'	1,676.00 *
			50'	1,913.00
SET 175/125	175,000/125,000	NG	50'	2,037.00 *
			60'	2,180.00
SET 200/140	200,000/140,000	NG	50'	2,037.00 *
			60'	2,180.00

**Individual burner kits + tube kits  
are shipped to assemble tube  
heater orders.**

**~ See next page for details ~**

\* 40 ft heater price based on  
TM-1040-SX Tube Kit

### NOTE:

Standard burners are stocked for  
natural gas fuel only.  
Field conversion kits are required  
for conversion to LP gas -  
refer to **Burner Kits**  
on the page listed below

PRICES INCLUDE THE FOLLOWING COMPONENTS AS REQUIRED:

**BURNER KIT:** STATUS INDICATOR LIGHTS, ELECTRICAL CORD & PLUG, FACTORY INSTALLED 24V/120V RELAY FOR 24V TWO-STAGE THERMOSTAT (THERMOSTAT EXTRA), BIRDSCREENED AIR INTAKE TO BLOWER. **OPTIONAL:** FRESH AIR INTAKE ADAPTER & HOOD

**TUBE KIT:** PRIMARY & SECONDARY TUBE(S), REFLECTORS, TWO REFLECTOR END CAPS, WIRE REFLECTOR/TUBE HANGERS, TUBE COUPLER(S), AND TURBULATOR(S). HOT ROLLED STEEL TUBES ARE NOT EMISSIVE COATED

*Burner with accessories, and the reflectors, tubes and accessories are packaged separately and clearly labelled for ease of filling orders and shipping*

*All optional accessories are shipped in a separate carton.*

**SET TUBE KITS: next page**  
**SET BURNER KITS: page T-28**  
**SET KIT ASSEMBLY CHART: next page**  
**OPTIONAL ACCESSORIES: page T-32**

# WhisperJet TUBE HEATERS SET SERIES - TWO STAGE



## SET

		'SET' TUBE KIT PART # & QUANTITY REQUIRED							
		Stand-Alone Kits			Primary Kits		Secondary Kits		
		120	170	210	165	165	120	165	
		20'	30'	40'	30'	30'	20'	30'	
		TM-1420-SX	TM-1430-SX	TM-1040-SX	TM-F030-SX	TM-1030-SX	TM-0020-SX	TM-0030-SX	
HEATER MODEL	BURNER KIT Gross Wt = 30 lbs								
SET 80/60	JS-080T-BN	20'	1						
		30'		1					
SET 110/75	JS-110T-BN	30'		1					
		40'							
SET 130/90	JS-130T-BN	30'		1					
		40'							
SET 155/110	JS-155T-BN	40'							
		50'							
SET 175/125	JS-175T-BN	50'							
		60'							
SET 200/140	JS-200T-BN	50'							
		60'							

Please order heaters as burner kits + tube kit(s)  
Heaters are shipped and invoiced as burner kits and tube kits

## TUBE KITS (Not emissive coated)

**Stand-Alone** tube kits require no additional tube kits.

**Primary** tube kits require at least one additional Secondary tube kit.

**Secondary** tube kit require a Primary tube kit.

*Kits include Tubes, Reflectors, Hangers, Tube Couplers*

Chain:  $((\text{tube length}/10) \times 2 + 1) \times \text{length}$   
at each suspension point  
'S' hooks:  $(\text{tube length}/10) \times 4 + 2$

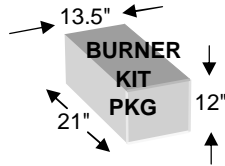
Stand-Alone	Description	TUBE KIT #	LIST PRICE*
20' : 80/60	Flanged/swaged aluminized tube with sight glass and igniter ports, one steel swaged tube, one 4 ft turbulator and one 10 ft turbulator	TM-1420-SX	\$ 476.00
30' : 80/60, 110/75, 130/90	Flanged/swaged aluminized tube with sight glass and igniter port, two steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TM-1430-SX	610.00
40' : 110/75, 130/90, 155/110	Flanged/swaged aluminized tube with sight glass and igniter port, three steel swaged tubes, one 10 ft turbulator	TM-1040-SX	745.00
<b>Primary Kits</b> [to make (40'), 50', 60' & 70' heaters]			
30' : 155/110	Flanged/swaged aluminized tube with sight glass and igniter port, two steel swaged tubes	TM-F030-SX	600.00
30' : 175/125, 200/140	Flanged/swaged alumatherm tube with sight glass and igniter port, one aluminized swaged tube, one steel swaged tube, one 10 ft turbulator	TM-1030-SX	693.00
<b>Secondary Kits</b> [add to above Primary Kits to make 50' & 60' heaters]			
20'	Two steel swaged tubes, reflectors, hangers, couplers	TM-0020-SX	382.00
30'	Three steel swaged tubes, reflectors, hangers, couplers	TM-0030-SX	525.00

SET BURNER KITS: next page  
SET COMPLETE SYSTEMS: previous page  
SET KIT ASSEMBLY CHART: above  
OPTIONAL ACCESSORIES: page T-32



## WhisperJet TUBE HEATERS SET SERIES - TWO STAGE

### 'TWO STAGE' BURNER KITS



Based on the reliable STS-JZ burner  
with indicator lights,  
electrical cord, and  
**Two Stage** firing rate

**BURNER INCLUDES** STATUS INDICATOR LIGHTS, ELECTRICAL CORD & PLUG, FACTORY INSTALLED 24V/120V RELAY FOR 24V TWO-STAGE THERMOSTAT, BIRDSCREENED AIR INTAKE ON BLOWER.

<u>CAPACITY</u>	<u>AVAILABLE TUBE LENGTHS</u>	<u>FUEL</u>	<u>PART #</u>	<u>LIST PRICE*</u>
80,000 / 60,000 Btuh	20', 30'	N.G.	JS-080T-BN	\$ 931.00
110,000 / 75,000 Btuh	30', 40'	N.G.	JS-110T-BN	931.00
130,000 / 90,000 Btuh	30', 40'	N.G.	JS-130T-BN	931.00
155,000 / 110,000 Btuh	40', 50'	N.G.	JS-155T-BN	931.00
175,000 / 125,000 Btuh	50', 60'	N.G.	JS-175T-BN	962.00
200,000 / 140,000 Btuh	50', 60'	N.G.	JS-200T-BN	962.00

The following items are packed inside the burner assembly carton: Installation manual; igniter and the burner fastening nuts & bolts are packed inside the burner housing.

All optional accessories are shipped in separate carton.

Burner kit part number includes the fuel suffix **N** (natural gas)

All burner assemblies require line voltage (120VAC) supply - Two stage thermostat is 24V.

### LPG FIELD CONVERSION KITS FOR SET BURNERS

	<u>INPUT</u>		<u>PART #</u>	<u>LIST PRICE*</u>
Conversion Kits for LP to NG are listed on pages 72 & 73	80,000/60,000 Btuh	Field Conversion Kit NG to LP	JS-0555-TC	\$ 41.00
	110,000/75,000 Btuh	Field Conversion Kit NG to LP	JS-0555-TG	41.00
	130,000/90,000 Btuh	Field Conversion Kit NG to LP	JS-0555-TK	41.00
	155,000/110,000 Btuh	Field Conversion Kit NG to LP	JS-0555-TO	41.00
	175,000 & 200,000 Btuh	<b>Not convertible to LP</b>		

### THERMOSTAT CONTROL FOR 'SET' TWO STAGE:

	<u>PART #</u>	<u>LIST PRICE*</u>
Two Stage 24V Digital Thermostat	JS-0569-DT	\$ 206.00

NOTE: A two stage thermostat can control only one single SET tube heater.

*Heaters are shipped and invoiced separately as burner kits and tube kits*

*Please order heaters as burner kits + tube kits*

**SET BURNER & TUBE KIT ASSEMBLY CHART: page T-27**

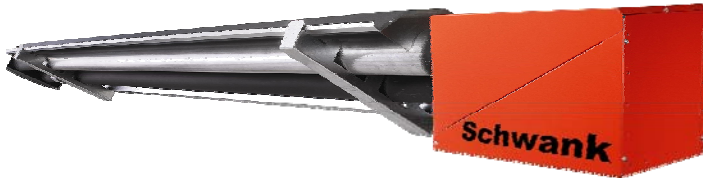
**SET TUBE KITS: previous page**

**OPTIONAL ACCESSORIES: page T-32**



## WhisperJet 'U'-TUBE HEATERS SETU SERIES - TWO STAGE

(Double Tube - Not emissive coated)



### SETU FEATURES SUMMARY:

- 2 Stage burner operation
- Status indicator lights
- Double-wide reflector over 'U'-tube
- Swing-down cabinet service access
- Whisper quiet ceramic burner

### COMPLETE SYSTEMS:

MODEL	CAPACITY		AVAILABLE TUBE		LIST PRICE
			LENGTH		
SETU 80/60	80,000/60,000	NG	2 x 10'	\$	1,551.00
			2 x 15'		1,779.00
SETU 110/75	110,00/75,0000	NG	2 x 15'		1,779.00
			2 x 20'		1,831.00
SETU 130/90	130,000/90,000	NG	2 x 15'		1,779.00
			2 x 20'		1,831.00
SETU 155/110	155,000/110,000	NG	2 x 20'		1,831.00
			2 x 30'		2,192.00
SETU 175/125	175,000/125,000	NG	2 x 30'		2,347.00
SETU 200/140	200,000/140,000	NG	2 x 30'		2,347.00

**Individual burner kits + tube kits  
are shipped to assemble tube  
heater orders.  
~ See next page for details ~**

### NOTE:

Standard burners are stocked for natural gas fuel only. Field conversion kits are required for conversion to LP gas - refer to **Burner Kits** on the page listed below

### PRICES INCLUDE THE FOLLOWING COMPONENTS AS REQUIRED:

BURNER KIT: STATUS INDICATOR LIGHTS, ELECTRICAL CORD & PLUG, FACTORY INSTALLED 24V/120V RELAY FOR 24V TWO-STAGE THERMOSTAT (THERMOSTAT EXTRA), BIRDSCREENED 4" DIAMETER AIR INTAKE ADAPTER ON BLOWER.

TUBE KIT: PRIMARY & SECONDARY TUBE(S), REFLECTORS, TWO REFLECTOR END CAPS, WIRE REFLECTOR/TUBE HANGERS, TUBE COUPLER(S), AND TURBULATOR(S).

*Burner with accessories, and the reflectors, tubes and accessories are packaged separately and clearly labelled for ease of filling orders and shipping*

*All optional accessories are shipped in a separate carton.*

*Please order heaters as burner kits + tube kit(s)  
Heaters are shipped and invoiced as burner kits and tube kits*

### THERMOSTAT CONTROL FOR 'SETU' Two Stage:

Two Stage 24V Digital Thermostat

**PART #**  
JS-0569-DT

**LIST PRICE\***  
\$ 206.00

NOTE: A two stage thermostat can control only one single SET tube heater.

**SETU BURNER KITS: page T-28**

**SETU TUBE KITS & ASSEMBLY CHART: next page**

**OPTIONAL ACCESSORIES: page T-32**



## WhisperJet TUBE HEATERS SETU SERIES - TWO STAGE

### SETU BURNER & TUBE KIT ASSEMBLY

Chain:  $((\text{tube length}/10) \times 4 + 1) \times \text{length}$   
at each suspension point  
'S' hooks:  $(\text{tube length}/10) \times 8 + 2$

- 1) Select HEATER MODEL
- 2) Order BURNER KIT
- 3) Order Quantity(s) of TUBE KIT(s)

HEATER MODEL	Order: BURNER KIT Wt = 30 lbs	Gross	SETU TUBE KIT PART # & QUANTITY REQUIRED					
			Stand-Alone **			Primary **		2ndary
			100	145	170	170	170	65
		Tube Kit Gross Weight (lbs) →	10' x 2	15' x 2	20' x 2	20' x 2	20' x 2	10' x 2
		Side-by-Side Tubes Length (ft) →	TM-1410-SU	TM-1415-SU	TM-1020-SU	TM-0020-SU	TM-A120-SU	TM-0010-SU
SETU 80/60	JS-080T-BN	2 x 10' 2 x 15'	1	1				
SETU 110/75	JS-110T-BN	2 x 15' 2 x 20'		1	1			
SETU 130/90	JS-130T-BN	2 x 15' 2 x 20'		1	1			
SETU 155/110	JS-155T-BN	2 x 20' 2 x 30'			1	1+		1
SETU 175/125	JS-175T-BN	2 x 30'					1+	1
SETU 200/140	JS-200T-BN	2 x 30'					1+	1

\*\* These kits include  
Turn Box JS-0513-BU  
packed and shipped in a  
separate carton

### SETU (Double) TUBE KITS (Not emissive coated)

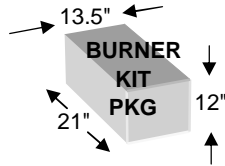
Stand-Alone	Description (kits include reflectors, end caps, hangers, couplers)	TUBE KIT #	LIST PRICE*
10'U : 80/60	Flanged/swaged aluminized tube with sight glass and igniter port, one steel swaged tube, one 4 ft turbulator and one 10 ft turbulator	TM-1410-SU	\$ 620.00
15'U : 80/60, 110/75	Flanged/swaged aluminized tube with sight glass and igniter port, one 10' steel swaged tube, two 5' steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TM-1415-SU	848.00
20'U : 110/75, 130/90, 155/110	Flanged/swaged aluminized tube with sight glass and igniter port, three steel swaged tubes, one 10 ft turbulator	TM-1020-SU	900.00
<b>Primary Kits</b> [to make 30'U-tube heaters - requires Primary + Secondary kit below]			
20'U : 155/110	Flanged/swaged aluminized tube with sight glass and igniter port, three steel swaged tubes	TM-0020-SU	879.00
20'U : 175/125, 200/140	Flanged/swaged alumatherm tube with sight glass and igniter port, one aluminized swaged tube, two steel swaged tubes, one 10 ft turbulator	TM-A120-SU	1,003.00
Included with each of the above tube kits is one turn box; packed and shipped in a separate carton ( price is included in tube kit price)		JS-0513-BU	
<b>Secondary Kit</b> (add to above Primary Kit to make 30' U-Tube heaters)			
2 x 10'	Two steel swaged tubes, hangers, couplers, reflector	TM-0010-SU	382.00

**SETU COMPLETE SYSTEMS:** previous page  
**SETU BURNER KITS:** next page  
**OPTIONAL ACCESSORIES:** page T-32



## WhisperJet TUBE HEATERS SETU SERIES - TWO STAGE

### 'TWO STAGE' BURNER KITS



Based on the reliable STS-JZ burner  
with indicator lights,  
electrical cord, and  
**Two Stage** firing rate

**BURNER INCLUDES** STATUS INDICATOR LIGHTS, ELECTRICAL CORD & PLUG, FACTORY INSTALLED 24V/120V RELAY FOR 24V TWO-STAGE THERMOSTAT, BIRDSCREENED AIR INTAKE ON BLOWER.

<u>CAPACITY</u>	<u>AVAILABLE TUBE LENGTHS</u>	<u>FUEL</u>	<u>PART #</u>	<u>LIST PRICE*</u>
80,000 / 60,000 Btuh	20', 30', 40'	N.G.	JS-080T-BN	\$ 931.00
110,000 / 75,000 Btuh	30', 40', 50'	N.G.	JS-110T-BN	931.00
130,000 / 90,000 Btuh	30', 40', 50'	N.G.	JS-130T-BN	931.00
155,000 / 110,000 Btuh	40', 50', 60'	N.G.	JS-155T-BN	931.00
175,000 / 125,000 Btuh	50', 60', 70'	N.G.	JS-175T-BN	962.00
200,000 / 140,000 Btuh	50', 60', 70'	N.G.	JS-200T-BN	962.00

The following items are packed inside the burner assembly carton: Installation manual; igniter and the burner fastening nuts & bolts are packed inside the burner housing.

All optional accessories are shipped in separate carton.

Burner kit part number includes the fuel suffix **N** (natural gas)

All burner assemblies require line voltage (120VAC) supply - Two stage thermostat is 24V.

### LPG FIELD CONVERSION KITS FOR SET BURNERS

	<u>INPUT</u>		<u>PART #</u>	<u>LIST PRICE*</u>
Conversion Kits for LP to NG are listed on page T-52	80,000/60,000 Btuh	Field Conversion Kit NG to LP	JS-0559-XX	\$ 24.00
	110,000/75,000 Btuh	Field Conversion Kit NG to LP	JS-0561-XX	24.00
	130,000/90,000 Btuh	Field Conversion Kit NG to LP	JS-0563-XX	24.00
	155,000/110,000 Btuh	Field Conversion Kit NG to LP	JS-0565-XX	24.00
	175,000 & 200,000 Btuh	Not convertible to LP		

### THERMOSTAT CONTROL FOR 'SET' TWO STAGE:

	<u>PART #</u>	<u>LIST PRICE*</u>
Two Stage 24V Digital Thermostat	JS-0569-DT	\$ 206.00

\* Burner & tube kit prices represent the component prices in conjunction with purchasing a complete system.

Heaters are shipped and invoiced separately as burner kits and tube kits

Please order heaters as burner kits + tube kits

**SETU BURNER & TUBE KIT ASSEMBLY CHART: previous page**

**SETU TUBE KITS: previous page**

**OPTIONAL ACCESSORIES: page T-32**





## OPTIONAL ACCESSORIES - Page 1 of 3

### S100(U) & SET(U) Series TUBE HEATERS

<b>Hanging Chain</b> - 50 ft box of #8 Jack Chain - 'S' hooks separate - see next item S100 / SET: ((tube length/10) x 2 + 1) x length at each suspension point S100U / SETU: ((tube length/10) x 4 + 1) x length at each suspension point	JL-0798-JC	\$	58.00
<b>'S' Hooks</b> - 1 $\frac{7}{8}$ " - Package of 25 S100 / SET: ((tube length/10) x 4 + 2) S100 / SET: ((tube length/10) x 8 + 2)	JL-0798-SH		22.50

### Combustion Air Intake: *Optional*

Not all tube heater installations require outside air for combustion.

Schwank recommends outside combustion air when:

- ☐ A building is under negative air condition
- ☐ Dusty environment in the building
- ☐ Chemical or process contaminants such as welding smoke present
- ☐ Sealed combustion is required or advised for the project



Wall Hood



Roof Cap

Outside combustion air can be acquired from an outside wall or from the roof using 4" diameter vent pipe.

Please refer to the installation manual for complete details on venting and combustion air duct.

	PART #		LIST PRICE
Fresh Air Intake Adapter 4" (for S100[U] & SET[U] Series) <i>Mounts to exterior top of burner cabinet</i>	JS-0532-SE	\$	39.00
Outside Air Intake Wall Vent Hood 4" ~ birdscreened, <i>flush mount</i>	JS-0532-VC		25.90
4" Roof Cap - fits single wall pipe	JA-0530-XX		46.60

### Vent Stuff:



Wall Terminal\*

#### Flue Vent Terminals:

- 4" horizontal (through wall)
- 6" horizontal

PART #	LIST PRICE
JA-0528-XX	\$ 38.30
JA-0529-XX	46.60

Use this termination cap by Schwank, or use the termination cap for double walled pipe as supplied by that manufacturer

\* Fits single wall vent pipe - field modification required to fit to double wall pipe

Vent Tee 4" X 4" X 6"  
(Two Couplers JA-0516-AA are optional)



4" x 4" x 6"  
Vent Tee

4" x 8" Aluminized Steel Coupler with 2 x U-Bolts

JA-0514-XX	191.00
JA-0516-AA	40.40

### USA ONLY: Flexible Gas Connectors for Tube Heaters: *Not for use with tube heaters in Canada*



**Note:** Minimum length for tube heater flexible connector is 24 inches. Revisions to the Gas Code/Standards are anticipated for Fall 2008. A bulletin will be issued when the Standard revisions are finalized.

Flexible Gas Connector 1/2" x 24" - for 45 to 155 Mbh	JL-0771-XX	\$	31.10
Flexible Gas Connector 3/4" x 24" - for 175 to 200 Mbh	JL-0771-ZZ		100.00

### CANADA ONLY: Hose Type Gas Connectors for Tube Heaters: *Not for use in USA*

Hose Type Gas Connectors are required only for tube heaters by B-149-2005 (Section 7.22.3)

Type 1 Hose Connector 1/2" x 36" - 1/2" MPT each end - for 45 to 155 Mbh	JL-0771-RC	\$	32.10
Type 1 Hose Connector 3/4" x 36" - 1/2" MPT + 3/4" MPT - for 175 & 200 Mbh	JL-0771-RB		75.00





## OPTIONAL ACCESSORIES - Page 2 of 3

### S100(U) & SET(U) Series TUBE HEATERS

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#### S100 & SET Series Elbow Kits: *(These models do NOT have a reflector cover on elbow)*

S100 & SET 45° Aluminized Steel Elbow Kit***	JS-0528-SM	\$	186.00
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S100 & SET 90° Aluminized Steel Elbow Kit***	JS-0508-SM		114.00
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S100 & SET 180° Aluminized Steel Elbow Kit - Order TWO x JS-0508-SM	JS-0508-SM x 2		228.00
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*(\*\*\*S100 Kits include: one elbow, one 4" swaged tube coupler and two S100 reflector end caps)*

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#### Other Options:

Side Reflector Extension ( - All models - 10" deep x 116" long)	JS-0509-KT	\$	45.60
#8 Hanging Chain - (box of 50' Jack Chain - 'S' hooks separate - see next item)	JL-0798-JC		58.00
'S' Hooks - 1 7/8" - Package of 25	JL-0798-SH		22.50
High Temp, Touch Up Paint -369g aerosol can	JA-0587-XX		25.90
5 ft length Tube Protection Screen (custom order: longer lead time)	JA-0780-XS		58.00

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#### THERMOSTATS & CONTROL OPTIONS on next page



## OPTIONAL ACCESSORIES - Page 3 of 3

### S100(U) & SET(U) Series TUBE HEATERS

#### THERMOSTAT CONTROL FOR 'SET' TWO STAGE:

Two Stage 24V Digital Thermostat

JS-0569-DT

LIST PRICE  
\$ 206.00

NOTE: A two stage thermostat can control only one single SET tube heater.

#### THERMOSTATS & CONTROLS S100 / S100U Series:

##### LINE VOLTAGE:

Line Voltage Thermostat °F & °C Dual Scale  
*S100 tube heaters are "factory ready"  
for line voltage thermostat*



JL-0772-XX

\$ 38.30

##### 24 VOLT:

Low Voltage (24V) Digital Thermostat °F & °C Scales  
*(S100 requires one of 24V options below)*



JS-0569-WR

\$ 72.00

##### TruTemp ENERGY MANAGEMENT:

TruTemp Thermostat  
*(S100 requires one of 24V options below)  
(see more info on the TruTemp on page T-50)*



JM-0150-XX

206.00

##### MOISTURE PROOF:

Moisture Proof Thermostat *(NEMA 4X enclosure)*



JS-0570-XX

331.00

#### 24 VOLT CONTROL OPTIONS: *(Required for TruTemp or 24V thermostat) Refer to guidelines page T-51*

##### Control a Single S100 Heater with a 24V Thermostat:

**S100 24V Thermostat Control Relay Kit JS-0568-KT**

\$ 36.30



**JS-0568-KT**

FIELD MOUNT IN BURNER:  
2 SCREWS MOUNTS TO  
CONTROL PLATE



**Control**

24V Transformer/Relay Kit

**JM-0303-KT**

FIELD MOUNTS ON EXTERIOR BURNER  
HOUSING OF ONE HEATER IN ZONE



JM-0303-KT

103.00

60 Minute Timer

JL-0774-US

97.00



## Residential Tube Heater STR-JZ Series

### RESIDENTIAL GARAGE/SHOP HEATER



*STR-JZ SERIES HEATER  
includes a 24 volt thermostat*

PRICES INCLUDE BURNER ASSEMBLY AND THE FOLLOWING COMPONENTS:

**BURNER KIT:** AIR INTAKE HOOD, 120V 3-PRONGED PLUG, AND 24V THERMOSTAT WITH 20 FT OF 18/2 WIRE;

**TUBE KIT:** PRIMARY TUBE, EMISSIVE COATED SECONDARY TUBE(S), TWO END PLATE HANGERS, WEBBED REFLECTOR/TUBE HANGERS, FOCUS SHIELD REFLECTORS, TUBE COUPLER(S), TURBULATOR(S),

#### COMPLETE SYSTEMS:

MODEL	CAPACITY		AVAILABLE TUBE		LIST PRICE
			LENGTH		
STR-JZ 45	45,000 Btuh	NG	10'		\$ 1,278.00
			20'		1,398.00
STR-JZ 60	60,000 Btuh	NG	20'		1,398.00
			30'		1,588.00

**Individual burner kits + tube kits  
are shipped to assemble tube  
heater orders.  
~ See next page for details ~**

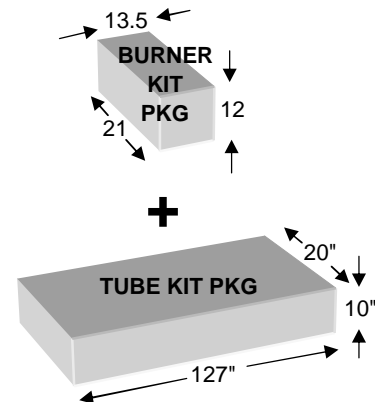
Burners are stocked in natural gas only - Field conversion kit required for LP - see next page

*Heaters are shipped and invoiced as burner kits and tube kits. Please order kits.*

#### STR-JZ BURNER & TUBE KIT ASSEMBLY CHART

			STR-JZ TUBE KIT PART # & QUANTITY REQUIRED		
			Stand-Alone Kits <u>Only</u>		
MODEL	BURNER KIT		70	120	170
			10'	20'	30'
			TS-4510-JZ	TS-1420-JZ	TS-1430-JZ
STR-JZ 45	JS-R045-AN	10'	1		
		20'		1	
STR-JZ 60	JS-R060-AN	20'		1	
		30'			1

Tube Kit Gross Weight (lbs) →  
Nominal Length (ft) →



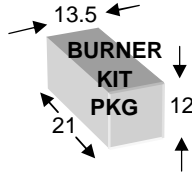
*Heaters are shipped and invoiced as burner kits and tube kits. Please order kits.*

**STR-JZ BURNER & TUBE KITS:**next page  
**STR-JZ ACCESSORIES:**page T-37



## Residential Tube Heater STR-JZ Series

### BURNER KITS - STR-JZ



<u>CAPACITY</u>	<u>AVAILABLE TUBE LENGTHS</u>	<u>FUEL</u>	<u>PART #</u>	<u>LIST PRICE</u>
45,000	10', 20'	N.G.	JS-R045-AN	\$ 849.00
60,000	20', 30'	N.G.	JS-R060-AN	849.00

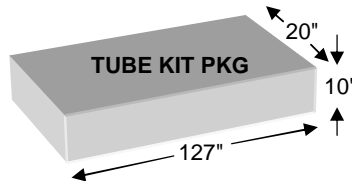
The following items are packed inside the burner assembly carton: Burner fastening nuts & bolts, fresh air intake cap, 24V thermostat with 20 ft of 18/2 wire, installation manual.

### LPG FIELD CONVERSION KITS FOR STR-JZ BURNERS

Conversion Kits  
for LP to NG are  
listed on  
page T-52

<u>INPUT</u>		<u>PART #</u>	<u>LIST PRICE*</u>
45,000 Btuh	Field Conversion Kit NG to LP	JS-0556-XC	\$ 45.00
60,000 Btuh	Field Conversion Kit NG to LP	JS-0557-XX	24.00

### TUBE KITS - STR-JZ



Chain:  $((\text{tube length}/10) + 2) \times \text{length}$   
at each suspension point  
'S' hooks:  $(\text{tube length}/10) \times 2 + 4$

Tube kits include '-JZ' 116" reflectors, webbed hangers, end plate hangers, couplers, and tubes as listed below:

<u>Stand-Alone</u>	<u>Description</u> (includes Reflectors, Hangers, and Couplers)	<u>PART #</u>	<u>LIST PRICE</u>
<b>10'</b> : 45,000 Btuh	Flanged/swaged aluminized tube with no ports, one 5 ft turbulator	TS-4510-JZ	\$ 429.00
<b>20'</b> : 45,000/60,000	Flanged/swaged aluminized tube with no ports, one emissive coated steel swaged tube, one 4 ft turbulator and one 10 ft turbulator	TS-1420-JZ	549.00
<b>30'</b> : 60,000	Flanged/swaged aluminized tube with no ports, two emissive coated steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TS-1430-JZ	739.00



## OPTIONAL ACCESSORIES

### STR-JZ Series

<b>#8 Hanging Chain</b> - (box of 50' Jack Chain - 'S' hooks separate - see next item)	JL-0798-JC	\$	58.00
<b>'S' Hooks</b> - 1 $\frac{7}{8}$ " - Package of 25	JL-0798-SH		22.50
INSTALLER CONVENIENCE KIT* (* Kit includes: 4" x 10' aluminum flexible duct, 4" wall flue terminal and 10' jack chain)	JS-0598-XX		98.00
4" Horizontal Wall Flue Terminal	JA-0528-XX		38.30
4" Roof Vent Cap	JA-0530-XX		46.60

#### **USA ONLY: Flexible Gas Connectors for Tube Heaters:** *Not for use with tube heaters in Canada*

Flexible Gas Connector 1/2" x 24" - for 45 to 155 Mbh	JL-0771-XX		31.10
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#### **CANADA ONLY: Hose Type Gas Connectors for TubeHeaters:** *Not for use in USA*

*Hose Type Gas Connectors are required only for tube heaters by B-149-2005 (Section 7.22.3)*

Type 1 Hose Connector 1/2" x 36" - 1/2" MPT each end - for 45 to 155 Mbh	JL-0771-RC	\$	32.10
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#### **Decorative 'Tuxedo' Grille Kit - Matte Black finish**



Decorative 'Tuxedo' Grille Kit - Matte Black Grille - 10 foot section	TG-0010-KT	\$	349.00
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*Matte black grille & aluminized steel framing dress up a tube heater installation - secures with tabs to 'JZ' Series heater*

#### **STR-JZ Elbow Kits:**

<b>ST-JZ 45°</b> Aluminized Steel Elbow Kit - <b>NO</b> Reflector Cover: (Elbow can be installed right or left hand: includes coupler & end plate/hanger)	JS-0528-JZ	\$	188.00
<b>ST-JZ 90°</b> Aluminized Steel Elbow & Reflector Cover Kit**: (Elbow can be installed right or left hand - includes coupler, reflector cover, end plate/hanger)	JS-0508-JZ		155.00
<b>ST-JZ 180°</b> Elbow & Reflector Kit: ORDER: TWO x JS-0508-JZ 90° ELBOW KITS	JS-0508-JZ x 2		310.00

Side Reflector 10" deep x 116" long	JS-0509-KT	\$	45.60
High Temp, Touch Up Paint - 369g aerosol can	JA-0587-XX		25.90

**STR-JZ COMPLETE SYSTEMS:**page T-35

**STR-JZ BURNER & TUBE KITS:**previous page



## CARWASH, HARSH ENVIRONMENT & OUTDOOR TUBE HEATERS



### SPW-JZ Powder Coated Steel Burner Cabinet

- Patio heating
- Wash bay applications



### STW-JZ Stainless Steel Burner Cabinet

- Harsh environment/power wash bays
- Food industry applications

Three Models to suit the application and environment:

#### SPW-JZ: Powder Coated Burner Cabinet



- ✓ Preferred model for covered and enclosed patio areas; most economical solution
- ✓ Fresh air adapter and cap for 'outside' combustion air
- ✓ Weather tight powder coated burner cabinet
- ✓ Moisture resistant spark ignition package
- ✓ Designer color blends with patio aesthetics
- ✓ Tough, durable finish
- ✓ Best choice for patios, outdoor, wash bays and damp environments
- ✓ Aluminized steel: reflectors and tubes

#### STW-JZ: Stainless Steel Burner Cabinet

- ✓ Preferred model for harsh environments
- ✓ Recommended for use in harsh environment applications: Car & truck power washes
- ✓ Weather tight stainless steel burner cabinet
- ✓ Fresh air adapter and cap for 'outside' combustion air
- ✓ Aluminized steel: reflectors and tubes
- ✓ Moisture resistant spark ignition package

#### STW-JZ2: ALL Stainless Model

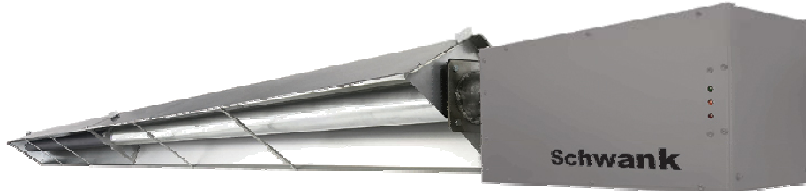
- ✓ Use ONLY where 'Stainless' is a necessity -> in highly corrosive or food service applications
- ✓ Least infrared heat output of the harsh environment models
  - Stainless steel tubing has a low emissivity value -> does not exchange heat efficiently
  - Use the 'next size up heater' for infrared output equivalency to STW-JZ
- ✓ Least recommended model due to lower infrared output
- ✓ Stainless steel reflectors and stainless steel tubes
- ✓ Weather tight stainless steel burner cabinet
- ✓ Moisture resistant spark ignition package
- ✓ Fresh air adapter and cap for 'outside' combustion air



# OUTDOOR TUBE HEATER

## SPW-JZ Series

PATIO\*, OUTDOOR, WASH BAYS & DAMP ENVIRONMENT



**Powder Coated Steel Burner Cabinet - Aluminized Steel Reflectors & Tubes**  
SPW-JZ is supplied complete with Fresh Air Intake Adapter and Intake Wall Hood (birdsgreened).

\* RECOMMENDED PATIO HEATER SIZES ARE HIGHLIGHTED IN BOLD FACE

PRICES INCLUDE BURNER ASSEMBLY WITH PAINTED STEEL HOUSING AND SUFFICIENT QUANTITIES OF THE FOLLOWING COMPONENTS:

MOISTURE & ACID RESISTANT DIRECT SPARK IGNITION SYSTEM, OUTSIDE AIR ADAPTER AND WALL CAP, ALUMINIZED STEEL TUBES AND REFLECTORS, TWO END PLATE HANGERS, 'JZ' WEBBED HANGERS, TUBE COUPLERS, AND REQUIRED TURBULATOR(S).

### COMPLETE SYSTEMS:

MODEL	Btuh INPUT	LENGTHS	LIST PRICE	Outdoor Patio	Hand Wash Area	Damp Areas
SPW-JZ 45*	45,000	10'	\$ 1,567.00	✓	✓	✓
		20'	1,727.00	✓	✓	✓
SPW-JZ 60*	60,000	20'	1,727.00	✓	✓	✓
		30'	1,914.00	✓	✓	✓
SPW-JZ 80*	80,000	20'	1,727.00	✓	✓	✓
		30'	1,914.00	✓	✓	✓
		40'	2,131.00	✓	✓	✓
SPW-JZ 110*	110,000	30'	1,914.00	✓	✓	✓
		40'	2,131.00	✓	✓	✓
		50'	2,410.00	✓	✓	✓
SPW-JZ 130*	130,000	30'	1,914.00	✓	✓	✓
		40'	2,131.00	✓	✓	✓
		50'	2,410.00	✓	✓	✓
SPW-JZ 155	155,000	40'	2,131.00	✓	✓	✓
		50'	2,410.00	✓	✓	✓
		60'	2,607.00	✓	✓	✓
SPW-JZ 175	175,000	50'	2,503.00	✓	✓	✓
		60'	2,700.00	✓	✓	✓
		70'	2,907.00	✓	✓	✓
SPW-JZ 200	200,000	50'	2,503.00	✓	✓	✓
		60'	2,700.00	✓	✓	✓
		70'	2,907.00	✓	✓	✓

**Individual burner kits + tube kits  
are shipped to assemble tube  
heater orders.  
~ See next page for details ~**

40 ft heater price based on TW  
1040-JZ Tube Kit

#### NOTE:

Standard burners are stocked for  
natural gas fuel only.  
Field conversion kits are required  
for conversion to LP gas -  
refer to **Burner Kits**  
on the page listed below

NOTE: SPW-JZ Series burners require 120V supply

\* RECOMMENDED PATIO HEATER SIZES ARE HIGHLIGHTED IN BOLD FACE

KIT ASSEMBLY CHART: next page

SPW BURNER KITS: page T-41

TUBE KITS: page T-45

OPTIONAL ACCESSORIES: page T-48



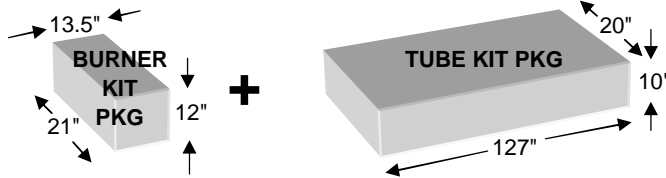
# OUTDOOR TUBE HEATER

## SPW-JZ Series

### BURNER & TUBE KIT ASSEMBLY CHART

Burner Kits: next page Tube  
Kits: page T-45

**MODEL: SPW-JZ:** Patio, Hand Car Wash Areas  
& Damp Environment Applications  
Aluminized Steel Tubes and Reflectors



Chain:  $((\text{tube length}/10) + 2) \times \text{length}$   
at each suspension point  
'S' hooks:  $(\text{tube length}/10) \times 2 + 4$

			Order: SPW-JZ TUBE KIT PART # & QUANTITY REQUIRED							
			Stand-Alone Kits				Primary Kits +		Secondary Kits	
			70	120	170	210	165	165	120	165
			10'	20'	30'	40'	30'	30'	20'	30'
			TS-4510-JZ	TW-1420-JZ	TW-1430-JZ	TW-1040-JZ	TW-F030-JZ	TW-1030-JZ	TW-0020-JZ	TW-0030-JZ
MODEL	BURNER KIT Gross Wt = 30 lb	Nominal Length (ft)								
SPW-JZ 45	JS-045W-BN	10'	1							
		20'			1					
SPW-JZ 60	JS-060W-BN	20'		1						
		30'			1					
SPW-JZ 80	JS-080W-BN	20'		1						
		30'			1					
		40'				1				
SPW-JZ 110	JS-110W-BN	30'			1					
		40'				1				
		50'					1+		1	
SPW-JZ 130	JS-130W-BN	30'			1					
		40'				1			1	
		50'					1+			
SPW-JZ 155	JS-155W-BN	40'				1				
		50'					1+		1	
		60'					1+			1
SPW-JZ 175	JS-175W-BN	50'						1+	1	
		60'						1+		1
		70'						1+		1
SPW-JZ 200	JS-200W-BN	50'						1+	1	
		60'						1+		1
		70'						1+		1

Stand-Alone tube kits require no additional tube kits.

Primary tube kits require at least one additional Secondary tube kit.

Secondary tube kit require a Primary tube kit.

COMPLETE SYSTEMS: previous page  
SPW BURNER KITS: next page  
TUBE KITS: page T-45  
OPTIONAL ACCESSORIES: page T-48

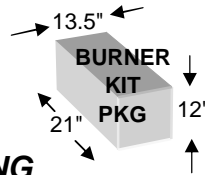




## OUTDOOR TUBE HEATER SPW-JZ Series

### POWDER COATED STEEL BURNER HOUSING

#### Car Wash / Outdoor Patio\* / Damp Environment



for Power Wash Bays and Harsh Environment see:

STW-JZ: Stainless Steel Burner Housing, Aluminized Steel Tubes & Reflectors -> next page

STW-JZ2: Stainless Steel Burner Housing, Stainless Steel Tubes & Reflectors -> next page

\* Sizes in bold face are suitable for outdoor patios

Btuh INPUT	AVAILABLE TUBE LENGTHS	Outdoor Patio	Hand Wash Areas	Damp Areas	FUEL	ORDER PART #	LIST PRICE
<b>45,000</b>	<b>10', 20'</b>	✓	✓	✓	N.G.	JS-045W-BN	\$ 1,138.00
<b>60,000</b>	<b>20', 30'</b>	✓	✓	✓	N.G.	JS-060W-BN	1,169.00
<b>80,000</b>	<b>20', 30', 40'</b>	✓	✓	✓	N.G.	JS-080W-BN	1,138.00
<b>110,000</b>	<b>30', 40', 50'</b>	✓	✓	✓	N.G.	JS-110W-BN	1,138.00
<b>130,000</b>	<b>30', 40', 50'</b>	✓	✓	✓	N.G.	JS-130W-BN	1,138.00
155,000	40', 50', 60'		✓	✓	N.G.	JS-155W-BN	1,138.00
175,000	50', 60', 70'		✓	✓	N.G.	JS-175W-BN	1,169.00
200,000	50', 60', 70'		✓	✓	N.G.	JS-200W-BN	1,169.00

The following items are packed inside the burner Kit carton: Burner fastening nuts & bolts, flange gasket, igniter (mounted), fresh air intake cap for wall, installation manual.

All burner assemblies operate on line voltage (120VAC).

Heaters are shipped and invoiced as burner kits and tube kits. Please order kits.

## LPG FIELD CONVERSION KITS FOR SPW-JZ BURNERS

INPUT		PART #	LIST PRICE*
45,000 Btuh	Field Conversion Kit NG to LP	JS-0556-XC	\$ 45.00
60,000 Btuh	Field Conversion Kit NG to LP	JS-0557-XX	24.00
80,000 Btuh	Field Conversion Kit NG to LP	JS-0559-XX	24.00
110,000 Btuh	Field Conversion Kit NG to LP	JS-0561-XX	24.00
130,000 Btuh	Field Conversion Kit NG to LP	JS-0563-XX	24.00
155,000 Btuh	Field Conversion Kit NG to LP	JS-0565-XX	24.00
175,000 Btuh	Field Conversion Kit NG to LP	JS-0567-AA	24.00
200,000 Btuh	Field Conversion Kit NG to LP	JS-0567-CC	24.00

Conversion Kits  
for LP to NG are  
listed on  
page T-52

**COMPLETE SPW-JZ SYSTEMS: page T-39**

**SPW-JZ BURNER KITS: previous page**

**OPTIONAL ACCESSORIES: page T-48**



# HARSH ENVIRONMENT & OUTDOOR TUBE HEATER STW-JZ & STW-JZ2 Series

## POWERWASH & HARSH ENVIRONMENT



**Stainless Steel Burner Housing**

**STW-JZ** = Aluminized Steel Reflectors & Tubes

**STW-JZ2** = Stainless Steel Reflectors & Tubes

### COMPLETE SYSTEMS:

### COMPLETE SYSTEM LIST PRICES

MODEL	INPUT	TUBE LENGTHS	Aluminized Tubes & Reflectors	Stainless Tubes & Reflectors
			-JZ	-JZ2
STW-JZ 45	45,000 Btuh	10'	\$ 2,033.00	\$ 2,701.00
		20'	2,193.00	3,498.00
STW-JZ 60	60,000 Btuh	20'	2,193.00	3,498.00
		30'	2,380.00	4,367.00
STW-JZ 80	80,000 Btuh	20'	2,193.00	3,498.00
		30'	2,380.00	4,367.00
		40' *	2,597.00	5,226.00
STW-JZ 110	110,000 Btuh	30'	2,380.00	4,367.00
		40' *	2,597.00	5,226.00
		50'	2,876.00	6,136.00
STW-JZ 130	130,000 Btuh	30'	2,380.00	4,367.00
		40' *	2,597.00	5,226.00
		50'	2,876.00	6,136.00
STW-JZ 155	155,000 Btuh	40' *	2,597.00	5,226.00
		50'	2,876.00	6,136.00
		60'	3,073.00	7,016.00
STW-JZ 175	175,000 Btuh	50'	3,000.00	6,167.00
		60'	3,197.00	7,047.00
		70'	3,404.00	7,988.00
STW-JZ 200	200,000 Btuh	50'	3,000.00	6,167.00
		60'	3,197.00	7,047.00
		70'	3,404.00	7,988.00
FOR BURNER & TUBE KITS SEE:			<b>PAGES T-42 to T-45</b>	<b>PAGES T-46 to T-47</b>

**Individual burner kits + tube kits are shipped to assemble tube heater orders.**

**~ See next page for details ~**

\* 40 ft heater price based on TW-1040-JZ Tube Kit

#### NOTE:

Standard burners are stocked for natural gas fuel only. Field conversion kits are required for conversion to LP gas - refer to **Burner Kits** on the page listed below

PRICES INCLUDE BURNER ASSEMBLY WITH STAINLESS STEEL HOUSING AND SUFFICIENT QUANTITIES OF THE FOLLOWING COMPONENTS:

MOISTURE & ACID RESISTANT DIRECT SPARK IGNITION SYSTEM, AIR INTAKE ADAPTER & HOOD, TWO END PLATE HANGERS, WEBBED HANGERS, PRIMARY & SECONDARY TUBES, FOCUS SHIELD REFLECTORS, TUBE COUPLER(S) , AND REQUIRED TURBULATOR(S).

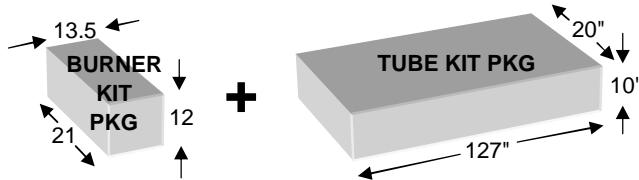
**KIT ASSEMBLY CHART: next page**  
**STW BURNER KITS: page T-44**  
**TUBE KITS: page T-45**  
**OPTIONAL ACCESSORIES: page T-48**



# HARSH ENVIRONMENT & OUTDOOR TUBE HEATER STW-JZ Series

## BURNER & TUBE KIT ASSEMBLY CHART

**MODEL: STW-JZ:** Power Car Wash Areas & Harsh Environment Applications  
Stainless Steel Burner & Aluminized Steel Tubes and Reflectors



Chain:  $((\text{tube length}/10) + 2) \times \text{length}$   
at each suspension point  
'S' hooks:  $(\text{tube length}/10) \times 2 + 4$

Stand-Alone tube kits require no additional tube kits.  
Primary tube kits require at least one additional Secondary tube kit.  
Secondary tube kit require a Primary tube kit.

Tube Kit Gross Weight (lbs) ->  Nominal Length ->  ↓  MODEL                      BURNER KIT Gross Wt = 30 lb			STW-JZ TUBE KIT PART # & QUANTITY REQUIRED								
			Stand-Alone Kits				Primary Kits   +		Secondary Kits		
			70	120	170	210	165	165	120	165	210
			10'	20'	30'	40'	30'	30'	20'	30'	40'
			TS-4510-JZ	TW-1420-JZ	TW-1430-JZ	TW-1040-JZ	TW-F030-JZ	TW-1030-JZ	TW-0020-JZ	TW-0030-JZ	TW-0040-JZ
STW-JZ 45	JS-045P-B N	10'	1								
		20'		1							
STW-JZ 60	JS-060P-B N	20'		1							
		30'			1						
STW-JZ 80	JS-080P-B N	20'		1							
		30'			1						
		40'				1					
STW-JZ 110	JS-110P-B N	30'			1						
		40'				1					
		50'					1+		1		
STW-JZ 130	JS-130P-B N	30'			1						
		40'				1					
		50'					1+		1		
STW-JZ 155	JS-155P-B N	40'				1					
		50'					1+		1		
		60'					1+			1	
STW-JZ 175	JS-175P-B N	50'						1+	1		
		60'						1+		1	
		70'						1+			1
STW-JZ 200	JS-200P-B N	50'						1+	1		
		60'						1+		1	
		70'						1+			1

COMPLETE SYSTEMS: previous page  
STW BURNER KITS: next page  
TUBE KITS: page T-45  
OPTIONAL ACCESSORIES: page T-48



# HARSH ENVIRONMENT & OUTDOOR TUBE HEATER STW-JZ & STW-JZ2 Series

## BURNER KITS

### STAINLESS STEEL BURNER HOUSING

### Power Car Wash / Harsh Environment

for Models:

**STW-JZ:** Aluminized Steel Tubes & Aluminized Steel Reflectors

**STW-JZ2:** Stainless Steel Tubes & Stainless Steel Reflectors (*longer lead time*)



<u>Btuh CAPACITY</u>	<u>AVAILABLE TUBE LENGTHS</u>	<u>FUEL</u>	<u>ORDER PART #</u>	<u>LIST PRICE*</u>
45,000	10', 20'	N.G.	JS-045P-BN	\$ 1,604.00
60,000	20', 30'	N.G.	JS-060P-BN	1,604.00
80,000	20', 30', 40'	N.G.	JS-080P-BN	1,604.00
110,000	30', 40', 50'	N.G.	JS-110P-BN	1,604.00
130,000	30', 40', 50'	N.G.	JS-130P-BN	1,604.00
155,000	40', 50', 60'	N.G.	JS-155P-BN	1,604.00
175,000	50', 60', 70'	N.G.	JS-175P-BN	1,635.00
200,000	50', 60', 70'	N.G.	JS-200P-BN	1,635.00

The following items are packed inside the burner kit carton: Burner fastening nuts & bolts, flange gasket, igniter (mounted), installation manual, fresh air intake cap.

All burner assemblies operate on line voltage (120VAC).

*Heaters are shipped and invoiced as burner kits and tube kits. Please order kits.*

## LPG FIELD CONVERSION KITS FOR STW-JZ BURNERS

	<u>INPUT</u>		<u>PART #</u>	<u>LIST PRICE*</u>
Conversion Kits for LP to NG are listed on page T-52	45,000 Btuh	Field Conversion Kit NG to LP	JS-0556-XC	\$ 45.00
	60,000 Btuh	Field Conversion Kit NG to LP	JS-0557-XX	24.00
	80,000 Btuh	Field Conversion Kit NG to LP	JS-0559-XX	24.00
	110,000 Btuh	Field Conversion Kit NG to LP	JS-0561-XX	24.00
	130,000 Btuh	Field Conversion Kit NG to LP	JS-0563-XX	24.00
	155,000 Btuh	Field Conversion Kit NG to LP	JS-0565-XX	24.00
	175,000 Btuh	Field Conversion Kit NG to LP	JS-0567-AA	24.00
	200,000 Btuh	Field Conversion Kit NG to LP	JS-0567-CC	24.00

Series ->	<u>-JZ</u>	<u>-JZ2</u>	
KIT ASSEMBLY CHART	p. T-43	p. T-46	-JZ2 = Stainless Steel ~ Longer Lead Times
TUBE KITS	p. T-45	p. T-47	

**COMPLETE SYSTEMS:** page T-42  
**OPTIONAL ACCESSORIES:** page T-48




# HARSH ENVIRONMENT & OUTDOOR TUBE HEATER SPW-JZ & STW-JZ Series

## TUBE KITS (emissive coated)

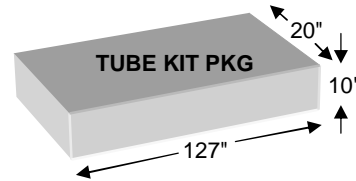
## ALUMINIZED STEEL TUBES & REFLECTORS CAR WASH & PATIO TUBE HEATER

**Stand-Alone** tube kits require no additional tube kits.  
**Primary** tube kits require at least one additional Secondary tube kit.  
**Secondary** tube kit require a Primary tube kit.

*Kits include: Tubes, 'JZ' Reflectors, End Plate Hangers, Couplers, Turbulator*

<u>Stand-Alone</u>	<u>Description</u>	<u>TUBE KIT #</u>	<u>LIST PRICE*</u>
<b>10'</b> : 45,000	One coated flanged/swaged aluminized steel tube with no ports and 5 ft Turbulator	TS-4510-JZ	\$ 429.00
<b>20'</b> : 45/60/80,000	Flanged/swaged tube with no ports, one coated aluminized steel swaged tube, one 4 ft turbulator and one 10 ft turbulator	TW-1420-JZ	589.00
<b>30'</b> : 60/80/110/130	Flanged/swaged tube with no ports, two coated aluminized steel swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TW-1430-JZ	776.00
<b>40'</b> : 80/110/130/155	Flanged/swaged tube with no ports, 3 coated aluminized steel swaged tubes, and one 10 ft turbulator	TW-1040-JZ	993.00
<b>Primary Kits</b> [to make (40'), 50', 60' & 70' heaters]			
<b>30'</b> : 110/130/155,000	Flanged/swaged tube with no ports, two coated aluminized steel swaged tubes	TW-F030-JZ	755.00
<b>30'</b> : 175/200,000	Flanged/swaged alumatherm tube with no ports, two coated aluminized steel swaged tube, one 10 ft turbulator	TW-1030-JZ	848.00
<b>Secondary Kits</b> [add to above Primary Kits to make (40'), 50', 60' & 70' heaters]			
<b>20'</b>	Two coated aluminized steel swaged tubes <del>(creates 50 ft heater)</del>	TW-0020-JZ	517.00
<b>30'</b>	Three coated aluminized steel swaged tubes <del>(creates 60 ft heater)</del>	TW-0030-JZ	714.00
<b>40'</b> 	Four coated aluminized steel swaged tubes <del>(creates 70 ft heater)</del>	TW-0040-JZ	921.00
<b>10'</b>	One coated aluminized steel swaged tube, and one 10 ft turbulator	TW-1010-JZ	320.00

**NOTE:** Secondary tube kit TW1010-JZ can be used with TW-F030-JZ to create a 40 ft kit.  
Do not use this kit to extend heater length beyond the maximum length approved for any input.



Chain:  $((\text{tube length}/10) + 2) \times \text{length}$   
at each suspension point  
'S' hooks:  $(\text{tube length}/10) \times 2 + 4$

Note: "TS-" part number is correct - this kit has an aluminized steel tube

**KIT ASSEMBLY CHART:** pages T-43, T-46  
**COMPLETE SYSTEMS:** pages T-39, T-42  
**SPW BURNER KITS:** page T-41  
**STW BURNER KITS:** page T-44  
**OPTIONAL ACCESSORIES:** page T-48

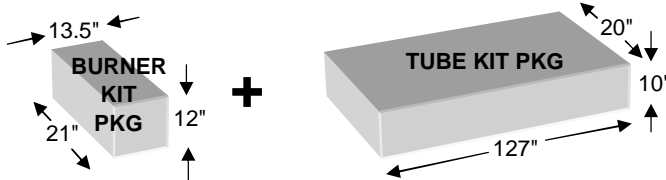


# HARSH ENVIRONMENT & OUTDOOR TUBE HEATER STW-JZ2 Series

## BURNER & TUBE KIT ASSEMBLY CHART

**MODEL: STW-JZ2: Stainless Steel Tube & Reflector Kits**

Food Industry & Extreme Environment Applications



Chain:  $((\text{tube length}/10) + 2) \times \text{length}$   
at each suspension point  
'S' hooks:  $(\text{tube length}/10) \times 2 + 4$

			STW-JZ2 TUBE KIT PART # & QUANTITY REQUIRED							
			Stand-Alone Kits				Primary Kits +		Secondary Kits	
Tube Kit Gross Weight (lbs) ->			70	120	170	210	165	165	120	165
Tube Kit Nominal Length ->			10'	20'	30'	40'	30'	30'	20'	30'
MODEL	BURNER KIT Gross Wt = 30 lb		TW-4510 -JZ2	TW-1420 -JZ2	TW-1430 -JZ2	TW-1040- JZ2	TW-F030 -JZ2	TW-1030 -JZ2	TW-0020 -JZ2	TW-0030 -JZ2
STW-JZ2 45	JS-045P-B N	10'	1							
		20'		1						
STW-JZ2 60	JS-060P-B N	20'		1						
		30'			1					
STW-JZ2 80	JS-080P-B N	20'		1						
		30'			1					
		40'				1				
STW-JZ2 110	JS-110P-B N	30'			1					
		40'				1				
		50'					1+		1	
STW-JZ2 130	JS-130P-B N	30'			1					
		40'				1				
		50'					1+		1	
STW-JZ2 155	JS-155P-B N	40'				1				
		50'					1+		1	
		60'					1+			1
STW-JZ2 175	JS-175P-B N	50'						1+	1	
		60'						1+		1
		70'						1+	2	
STW-JZ2 200	JS-200P-B N	50'						1+	1	
		60'						1+		1
		70'						1+	2	

Stand-Alone tube kits require no additional tube kits.

Primary tube kits require at least one additional Secondary tube kit.

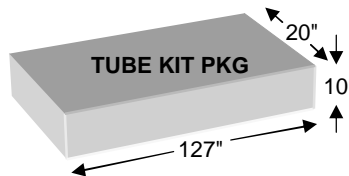
Secondary tube kit require a Primary tube kit.

COMPLETE SYSTEMS: page T-42  
STW-JZ BURNER KITS: page T-44  
STW-JZ2 TUBE KITS: next page  
OPTIONAL ACCESSORIES: page T-48



# HARSH ENVIRONMENT & OUTDOOR TUBE HEATER STW-JZ2 Series

## '-JZ-2' TUBE KITS



### STAINLESS STEEL REFLECTORS + STAINLESS STEEL TUBES

#### Longer Lead Times for Stainless Steel Tube Kits

**Stand-Alone** tube kits require no additional tube kits.

**Primary** tube kits require at least one additional Secondary tube kit.

**Secondary** tube kit require a Primary tube kit.

<u>Stand-Alone</u>	Each kit includes Stainless Steel: Tubes, 'JZ-2' Reflectors, Webbed S/S hanger system, Tube Couplers, Turbulator(s) as required	<u>TUBE KIT #</u>	<u>LIST PRICE*</u>
10' : 45,000 Btuh	Flanged/swaged S/S tube with no ports, one 5 ft turbulator	TW-4510-JZ-2	\$ 1,097.00
20' : 60,000/80,000	Flanged stainless steel swaged tube with no ports + one S/S swaged tube, one 4 ft turbulator and one 10 ft turbulator	TW-1420-JZ-2	1,894.00
30' : 60/80/110/130,000	Flanged stainless steel swaged tube with no ports + two S/S swaged tubes, one 4 ft turbulator and one 10 ft turbulator	TW-1430-JZ-2	2,763.00
40' : 80/110/130/155,000	Flanged stainless steel swaged tube with no ports + 3 S/S swaged tubes, and one 10 ft turbulator	TW-1040-JZ-2	3,622.00
<b>Primary Kits</b> [to make (40'), 50', 60' & 70' heaters]			
30' : 110/130/155,000	Flanged stainless steel swaged tube with no ports, two stainless steel swaged tubes	TW-F030-JZ-2	2,711.00
30' : 175/200,000	Flanged stainless steel swaged tube with no ports, two stainless steel swaged tubes, one 10 ft turbulator	TW-1030-JZ-2	2,711.00
<b>Secondary Kits</b> [add to above Primary Kits to make (40'), 50', 60' & 70' heaters]			
10'	One stainless steel swaged tube, and one 10 ft turbulator	TW-1010-JZ-2	1,024.00
20'	Two stainless steel swaged tubes	TW-0020-JZ-2	1,821.00
30'	Three stainless steel swaged tubes	TW-0030-JZ-2	2,701.00

**KIT ASSEMBLY CHART:** previous page

**COMPLETE SYSTEMS:** page T-42

**STW BURNER KITS:** page T-44

**OPTIONAL ACCESSORIES:** page T-48





## OPTIONAL ACCESSORIES - Page 1 of 2 SPW-JZ, STW-JZ & STW-JZ2 TUBE HEATERS

*Note: Stainless Steel accessories have longer lead times*

	PART #	LIST PRICE
<b>Moisture Proof Thermostat</b> (NEMA 4X Enclosure)	JS-0570-XX	\$ 331.00

### Suspension Hardware

<b>#8 Hanging Chain</b> - (box of 50' Jack Chain - 'S' hooks separate - see next item) quantity: ((tube length/10) + 2) x length at each suspension point	JL-0798-JC	58.00
<b>'S' Hooks</b> - 1 7/8" - Package of 25 quantity: ((tube length/10) x 2 + 4)	JL-0798-SH	22.50

### Vent Stuff



Wall Terminal\*

#### Flue Vent Terminals:

4" horizontal (through wall)	JA-0528-XX	\$ 38.30
6" horizontal	JA-0529-XX	46.60

Vent Tee 4" X 4" X 6"  
(Two Couplers JA-0516-AA are optional)



Optional Couplers for Vent Tee:

4" x 8" Aluminized Steel Coupler with 2 x U-Bolts (ADD <u>TWO</u> optional tube couplers JA-0516-AA or JA-0516-XX if desired for vent pipe connection to Tee)	JA-0516-AA	40.40
--	------------	-------

4" swaged Tube Coupler (required quantity is shipped with heater)	JA-0516-SW	40.40
- Also available in stainless steel	JA-0516-SS	78.00

Notes: Use termination cap by Schwank, or use the termination cap for double walled pipe as supplied by that manufacturer

\* Fits single wall vent pipe - field modification required to fit to double wall pipe

### USA ONLY: Flexible Gas Connectors for Tube Heaters: *Not for use with tube heaters in Canada*



**Note: Minimum length for tube heater flexible connector is 24 inches.** Revisions to the Gas Code/Standards are anticipated for Fall 2008. A bulletin will be issued when the Standard revisions are finalized.

Flexible Gas Connector 1/2" x 24" - for 45 to 155 Mbh	JL-0771-XX	\$ 31.10
Flexible Gas Connector 3/4" x 24" - for 175 to 200 Mbh	JL-0771-ZZ	100.00

### CANADA ONLY: Hose Type Gas Connectors for Tube Heaters: *Not for use in USA*

Hose Type Gas Connectors are required only for tube heaters by B-149-2005 (Section 7.22.3)

Type 1 Hose Connector 1/2" x 36" - 1/2" MPT each end - for 45 to 155 Mbh	JL-0771-RC	\$ 32.10
Type 1 Hose Connector 3/4" x 36" - 1/2" MPT + 3/4" MPT - for 175 & 200 Mbh	JL-0771-RB	75.00

*Additional Options: Elbow Kits, Tuxedo Grille, Reflector Side Extensions, etc on next page.*

*Moisture Proof Thermostat listed above*



## OPTIONAL ACCESSORIES - Page 2 of 2

### SPW-JZ, STW-JZ & STW-JZ2 TUBE HEATERS

#### Decorative 'Tuxedo' Grille Kit - Matte Black Finish

Dress up your tube heater installations.

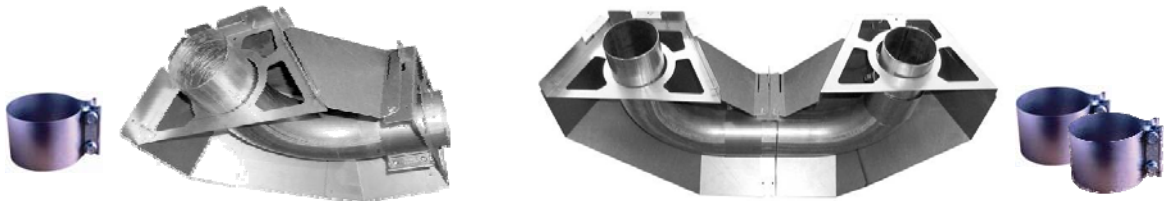
- Ideal for: ☐ Patios  
☐ Retail areas  
☐ Showrooms



Matte black grille & aluminized steel framing secures with tabs to 'JZ' Series heater reflectors. (Not for S100 Series)

Decorative 'Tuxedo' Grille Kit - 10 ft - Matte Black Grille      Each 10 foot section      TG-0010-KT      \$      349.00

#### ST-JZ Elbow Kits:



**ST-JZ 45° Aluminized Steel Elbow Kit - NO Reflector Cover:**      JS-0528-JZ      \$      188.00  
(Elbow can be installed right or left hand: Includes Coupler & End Plate Hanger)

**ST-JZ 90° Aluminized Steel Elbow & Reflector Cover Kit:**      JS-0508-JZ      155.00  
(Elbow can be installed right or left hand - Includes Coupler, Reflector Cover, Hanger Plate)

**ST-JZ 180° Elbow & Reflector Cover Kit:**      ORDER: TWO x 90° ELBOW KITS      JS-0508-JZ x 2      310.00

**STW-JZ2: 90° Stainless Steel Elbow & Reflector Cover Kit: (Longer lead time)**      JS-0508-JZ-2      403.00

**For 180° Elbow Kits = Combine TWO JS-0508-JZ(-2) Kits as Required**

➔ **Reflector Angle Adapter** - one required each juncture of angle change      JS-0504-JZ      \$      15.10

**NOTE:** The elbow reflector cap must always be in the same plane as the elbow - cap cannot be angled independently  
The Reflector Angle Adapter is required for angle mounting a reflector section before or after an elbow  
Or for mounting of a reflector section at an independent angle relative to the other reflectors in the system.

#### Other Optional Accessories:

Reflector Angle Adapter(see Note above)      JS-0504-JZ      \$      15.10

This item is required for changing angle of a reflector section before or after an elbow or other section of reflector

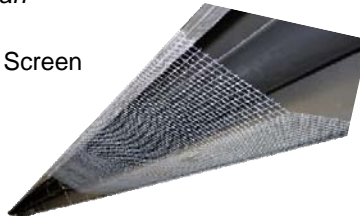
Side Reflector Extension( - All models - 10" deep x 116" long c/w 'S' hooks)      JS-0509-KT      45.60

#8 Hanging Chain - (box of 50' Jack Chain - 'S' hooks separate - see next item)      JL-0798-JC      58.00

'S' Hooks - 1 7/8" - Package of 25      JL-0798-SH      22.50

High Temp, Touch Up Paint -369g aerosol can      JA-0587-XX      25.90

**'-JZ' Tube Kit** 5 ft length Tube Protection Screen  
(1/2" x 1/2" galvanized screen)  
(custom order: longer lead time)



JA-0780-XX      58.00



# TruTemp

## Infrared Setback Thermostat



### **SCHWANK TruTemp INFRARED SETBACK THERMOSTAT**

#### **NOT FOR USE IN WET ENVIRONMENTS**

The only infrared thermostat that senses and averages radiant and ambient temperatures for true comfort control and efficient heating system operation. An automatic setback feature further adds to fuel savings when the heated space is unoccupied. Controls a Schwank heating system to provide true comfort levels. TruTemp thermostat can be used in conjunction with all Schwank heaters. 4" Diameter fits standard electrical box

<u>MODEL</u>	<u>VOLTAGE</u>	<u>PART #</u>	<u>LIST PRICE</u>
TruTemp Thermostat	24 Volts	JM-0150-XX	\$ 206.00

### **FIELD MOUNTED OPTIONS REQUIRED WITH TruTemp THERMOSTAT**

#### **- SINGLE STS-JZ TUBE HEATER & SINGLE TruTemp**

<u>ORDER</u>		<u>PART #</u>	
1	TruTemp Thermostat	JM-0150-XX	\$ 206.00

#### **- SINGLE S100 SERIES TUBE HEATER & SINGLE TruTemp**

##### **ORDER TruTemp +**

1 S100 24V Control Option  
(Relay Switch Field Mounts in burner on Control Plate)

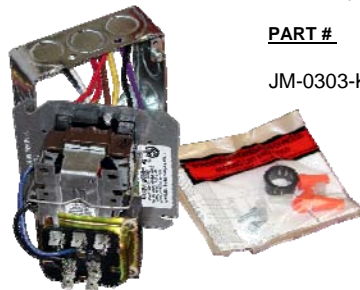


<u>PART #</u>	
JS-0568-KT	\$ 36.30

#### **- MULTIPLE TUBE HEATERS & SINGLE TruTemp** (Up To 7 STS-JZ or S100 Heaters per Zone)

##### **ORDER TruTemp +**

1 24V Transformer/Relay Option  
(Transformer/Relay & Accessories)  
(Field Mounts on exterior of a burner housing)



<u>PART #</u>	
JM-0303-KT	\$ 103.00

### **SECURITY OPTION TO PREVENT UNAUTHORIZED TAMPERING**

Two S/S Tamperproof Screws and One Tool  
(Order for the first TruTemp on project)

JM-0180-XX	\$ 63.00
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Two S/S Tamperproof Screws  
(Order for each Additional TruTemp on project)

JM-0180-AA	6.30
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## **TUBE HEATER 24V CONTROL OPTION GUIDELINES**

for: TruTemp / 24V Thermostat / patioPanel / Remote Control

### **SCHWANK TUBE HEATERS: Single heater per control zone**

#### **STS-JZ, STV-JZ, SPW-JZ & STW-JZ** *(Multiple heaters per zone - see below)*

Single HEATER per Single TruTemp / 24V THERMOSTAT / patioPanel switch\* / Remote Control

- 120 V supply is ALWAYS required to the burner to power the blower and the individual transformer in each burner assembly, regardless of the thermostat or control voltage.
- 24V power to the thermostat is supplied by the transformer within the heater
- A 24V/120V relay switch is factory installed in the burner

**\*ORDER** - Any 24 volt thermostat or TruTemp supplied by Schwank will control a single burner of models above

- **patioPanel:** 24V power to the panel switch is supplied from the transformer within the burner  
ONLY ONE tube heater can be controlled by each patioPanel switch
- **Remote Control:** Each Burner is ready for installation of Remote Control Receiver Kit: JP-1234-RK  
- Refer to patio heater section for information on Remote Control options
- Existing Tube heaters in the field (made prior to May 1, 2006) require the installation of optional kits:
  - JS-0568-KT 24V Relay Kit: For heaters with 24V Transformer in burner (ST Series)
  - JM-0568-KT 24V Transformer-Relay Kit: For heaters without 24V Transformer in burner (SE Series)

#### **S100 Builder Series** *(Multiple heaters per zone - see below)*

Single HEATER per Single TruTemp or 24V THERMOSTAT

- 120 V supply is ALWAYS required to the burner to power the blower and gas and ignition controls
- 24 V Relay Kit JS-0568-KT (field mount in burner) is required to control a single heater using a low voltage thermostat

### **TUBE HEATERS: 2 to 7 heaters per control zone**

#### **ALL MODELS** *(for single heater per zone - see above)*

MAXIMUM 7 HEATERS PER ZONE / ORDER Transformer-Relay KIT JM-0303-KT

- 120V supply is ALWAYS required to the burner to power the blower and controls
- The Transformer-Relay is factory mounted in an electrical enclosure; the kit is field installed
- The Transformer-Relay Kit may be mounted on or in near proximity to the heater(s) or thermostat
- NO ADDITIONAL 24V OPTION is required within the burner(s)
- 24V power is provided to the thermostat by the transformer within the Transformer-Relay Kit
- The thermostat call-for-heat closes the relay within the Transformer-Relay
- The 'closed' relay provides 120V to the heater(s) in the zone

**ORDER:** Transformer-Relay Kit JM-0303-KT + a Thermostat (24 Volt OR TruTemp)

*LUMINOUS HEATER 24V GUIDELINES are on page L-14*



## GAS CONVERSION KITS SCHWANK TUBE HEATERS

NOTE: Conversion kits are NOT available for: JP tube heaters and Models BR-85, BR-100 - Contact Schwank

When ordering, please provide **complete Model Number** (see CSA label) and Gas Type to convert to

<u>Complete Model # Required</u>	<u>Input</u>	<u>NG to LP</u>	<u>LP to NG</u>	<u>List Price</u>
Discontinued 45,000 Btuh model numbers:				
STS, STS-JZ, STR, STR-JZ, SER	45,000	JS-0556-XA	JS-0556-XB	\$ 45.00

Current 45,000 Btuh model numbers:

<b>STS-JZ-X1, STR-JZ-X1</b> , SPW-JZ, STW-JZ	45,000	JS-0556-XC	JS-0556-XD	45.00
S100, S100U	45,000	JS-0556-XE	JS-0556-XF	35.00

	<u>Input</u>	<u>NG to LP</u>	<u>LP to NG</u>	
STS-JZ, STSp, STS	60,000	JS-0557-XX	JS-0558-XX	24.00
STR-JZ, STR	80,000	JS-0559-XX	JS-0560-XX	24.00
STW-JZ, STW, STS-WP	100,000	Available in NG ONLY		
SPW-JZ	110,000	JS-0561-XX	JS-0562-XX	24.00
STV-JZ, STSV	130,000	JS-0563-XX	JS-0564-XX	24.00
S100	155,000	JS-0565-XX	JS-0566-XX	24.00
SEM-CH* (Honeywell 120V Valve)	175,000	JS-0567-AA	JS-0567-BB	24.00
	200,000	JS-0567-CC	JS-0567-DD	24.00

		<u>NG to LP</u>	<u>LP to NG</u>	
<b>SET</b>	80/60,000	JS-0555-TC	JS-0555-TD	41.00
<b>2-STAGE</b>	110,75,000	JS-0555-TG	JS-0555-TH	41.00
	130/90,000	JS-0555-TK	JS-0555-TL	41.00
	155/130,000	JS-0555-TO	JS-0555-TP	41.00

	<u>Input</u>	<u>NG to LP</u>	<u>LP to NG</u>	
ATH	60,000	JS-0557-LS	JS-0558-NS	\$ 46.60
SEB	80,000	JS-0559-LS	JS-0560-NS	46.60
SER: 60,000	110,000	JS-0561-LS	JS-0562-NS	46.60
SEM-CA* (Robertshaw 120V Valve)	130,000	JS-0563-LS	JS-0564-NS	46.60
	155,000	JS-0566-LS	JS-0566-NS	46.60
	175,000	JS-0567-LS	JS-0567-NS	46.60
	200,000	JS-0567-LI	JS-0567-NI	46.60

\* SEM Model 'dash number'

<u>PRT Series</u>	<u>Input</u>	<u>NG to LP</u>	<u>LP to NG</u>	
PRT 60	60,000	JT-0941-TA	JT-0940-TA	\$ 45.60
PRT 80	80,000	JT-0941-TB	JT-0940-TB	45.60
PRT 100	100,000	JT-0941-TC	JT-0940-TC	45.60

LUMINOUS HEATER Gas Conversion Kits: page L-16