



## patioSchwank 3000 (Selected SPW & STW sizes)

# TECH SPECS

### APPLICATION

The patioSchwank 3000 Model is a gas-fired, sealed combustion, infrared radiant tube heater approved for indoor or outdoor installation. Comprised of selected sizes of the Schwank SPW-JZ and STW-JZ Model Heaters, the patioSchwank 3000 Series is recommended to provide patron comfort in spot heating of patios and other outdoor applications. The patioSchwank 3000 Heater can be direct vented with 4 inch diameter vent to beyond the area being heated, so is ideal for patios or areas that have a canopy or roof, or are partially to fully enclosed.

### FEATURES & BENEFITS

The electronic ignition control is potted and all other electrical components and connections are specifically designed and treated to withstand the humidity of outdoor installation.

To maintain aesthetic appearance in outdoor applications, the SPW-JZ has a 'neutral' gray powder coated steel burner cabinet and aluminized steel tube and reflector system. A Stainless Steel burner cabinet is available with model STW-JZ. The SPW-JZ burner cabinet is water resistant with a louvered bottom panel to provide flow of combustion air to the burner. Unsightly combustion air ducting is not required. NOTE: The SPW-JZ cannot accommodate a combustion air duct. In contaminated atmospheres or negative air conditions use model STW-JZ.

Reflectors extend below the tube surface to increase entrapment of convection heat and conversion of this (formerly wasted) heat into additional infrared heat for the delivery of improved comfort and economy of operation. The webbed hanger system promotes the free flow of entrapped convection heat along the length of the heater and improves the uniformity of tube surface temperature and radiant heat output.

POWDER COAT CABINET	STAINLESS STEEL CABINET	BTU/Hr	GAS	MINIMUM GAS LINE PRESSURE	MAXIMUM GAS LINE PRESSURE	MANIFOLD PRESSURE	DIMENSION OVERALL L x H	WEIGHT IN LBS.
SPW-JZ 45N-10	STW-JZ 45N-10	45,000	NG	5" W.C.	14" W.C.	3.5" W.C.	11' 8" x 13"	76
SPW-JZ 45L-10	STW-JZ 45L-10	45,000	LP	11" WC	14" W.C.	10" W.C.	11' 8" x 13"	76
SPW-JZ 60N-20	STW-JZ 60N-20	60,000	NG	5" W.C.	14" W.C.	3.5" W.C.	21' 0" x 13"	119
SPW-JZ 60L-20	STW-JZ 60L-20	60,000	LP	11" WC	14" W.C.	10" W.C.	21' 0" x 13"	119
SPW-JZ 80N-20	STW-JZ 80N-20	60,000	NG	5" W.C.	14" W.C.	3.5" W.C.	21' 0" x 13"	119
SPW-JZ 80L-20	STW-JZ 80L-20	60,000	LP	11" WC	14" W.C.	10" W.C.	21' 0" x 13"	119
SPW-JZ 80N-30	STW-JZ 80N-30	80,000	NG	5" W.C.	14" W.C.	3.5" W.C.	30' 8" x 13"	162
SPW-JZ 80L-30	STW-JZ 80L-30	80,000	LP	11" WC	14" W.C.	10" W.C.	30' 8" x 13"	162
SPW-JZ 110N-30	STW-JZ 110N-30	110,000	NG	5" W.C.	14" W.C.	3.5" W.C.	30' 8" x 13"	162
SPW-JZ 110L-30	STW-JZ 110L-30	110,000	LP	11" WC	14" W.C.	10" W.C.	30' 8" x 13"	162
SPW-JZ 110N-40	STW-JZ 110N-40	110,000	NG	5" W.C.	14" W.C.	3.5" W.C.	40' 4" x 13"	205
SPW-JZ 110L-40	STW-JZ 110L-40	110,000	LP	11" WC	14" W.C.	10" W.C.	40' 4" x 13"	205
SPW-JZ 130N-30	STW-JZ 130N-30	130,000	NG	5" W.C.	14" W.C.	3.5" W.C.	30' 8" x 13"	162
SPW-JZ 130L-30	STW-JZ 130L-30	130,000	LP	11" WC	14" W.C.	10" W.C.	30' 8" x 13"	162
SPW-JZ 130N-40	STW-JZ 130N-40	130,000	NG	5" W.C.	14" W.C.	3.5" W.C.	40' 4" x 13"	205
SPW-JZ 130L-40	STW-JZ 130L-40	130,000	LP	11" WC	14" W.C.	10" W.C.	40' 4" x 13"	205
SPW-JZ155N-40	STW-JZ155N-40	155,000	NG	5" W.C.	14" W.C.	3.5" W.C.	40' 4" x 13"	205
SPW-JZ155L-40	STW-JZ155L-40	155,000	LP	11" WC	14" W.C.	10" W.C.	40' 4" x 13"	205

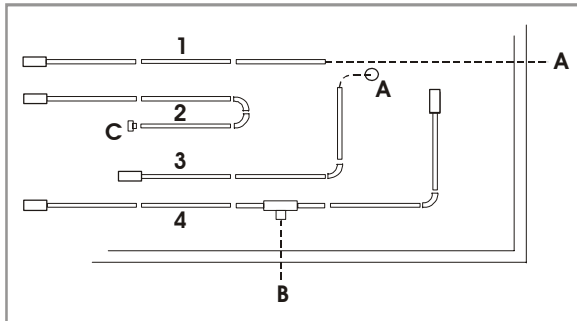
Firing rates of 175,000 and 200,000 Btuh and other heater lengths are also available, but not recommended for patio heating application. Refer to the SPW-JZ / STW-JZ Model literature.

<b>ELECTRICAL</b>			<b>GAS INLET SIZE</b>
120VOLT	60 HERTZ	1.5 AMPS	1/2"

### MINIMUM CLEARANCES TO COMBUSTIBLES

<u>CLEARANCES TO COMBUSTIBLES</u>	SUSPENDED HORIZONTALLY			SUSPENDED AT AN ANGLE UP TO 45°				HORIZONTAL MOUNTED	ANGLE MOUNTED UP TO 45°
	Top	Side	Below	Top	Rear	Front	Below		
	A	B	C	D	E	F	G		
SPW/STW 155	6"	19"	64"	6"	1"	44"	64"		
SPW/STW 130	4"	11"	60"	5"	1"	35"	56"		
SPW/STW 110	3.75"	10"	54"	3.5"	1"	26"	54"		
SPW/STW 80	2.5"	6"	36"	2.5"	1"	23"	38"		
SPW/STW 60	2.5"	5.5"	34"	2"	1"	17"	34"		
SPW/STW 45	2.25"	7"	32"	2.75"	1"	24"	32"		

### FLEXIBLE LAYOUT



#### System Configuration

1. Straight line
2. "U" Tube with two 90° elbow kits
3. "L" Tube with 90° elbow kit
4. Common 4" x 4" x 6" TEE flue vent

#### Venting Options

- A. Flue Vent through wall or roof: 4"
- B. Common Flue Vent through wall or roof: 6"
- C. Flue Vent into building, exhaust fan interlocked with heater

#### Combustion Air

The bottom panel of the SPW-JZ burner cabinet is louvered to allow combustion air flow. The SPW-JZ cannot accommodate a combustion air duct. If outside combustion air is required, or in negative air conditions, use model STW-JZ

### OPTIONAL ACCESSORIES

	<u>Part Number</u>
• 4" Horizontal Flue Vent Terminal (Wall)	JA-0528-XX
• Remote Control: Receiver Kit	JP-1234-TK
+ Remote Hand Set	JP-1234-HS
• 4"x4"x6" Vent Tee	JA-0514-XX
• 90° Elbow Kit with Reflector Cap <small>(Combine two 90° kits to create 180° elbow)</small>	JS-0508-JZ
• Moisture Proof Thermostat	JS-0570-XX
<b>Consult your Local Authorized Dealer for other optional accessories from Schwank :</b>	
• Central Control Panels for Patios	
• Flexible Gas Connectors	
• Side Reflector extensions	

