

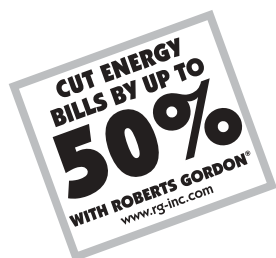


- Frees valuable workspace with lowest clearances to combustibles, relative to total heater input, in the infrared industry
- Most effective heat distribution in the unitary infrared market provided by centralized burner location
- Design flexibility with straight, U-tube or L configurations and a wide range of burner sizes and tube lengths
- Reduced installation cost provided by highest inputs in the infrared industry from one heater - up to 380,000 BTU/Hr.
- Minimal heat exposure to valuable electrical components provided by burner box design with protective enclosure for controls

# Vantage<sup>®</sup> TF

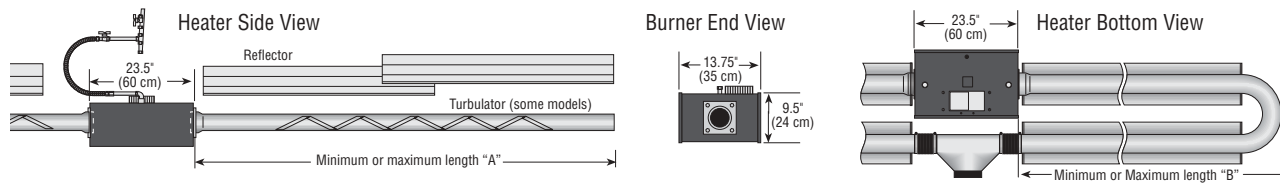
Patent Pending

## The Twin Fire Unitary Infrared Heater



*Quality in Any Language™*





#### VANTAGE® TF

Model		TF-120	TF-160	TF-200	TF-250	TF-300	TF-350	TF-380
Minimum Length of Straight Tube Each Side (Ft., In.)	A	20	20	30	40	50	50	60
Maximum Length of Straight Tube Each Side (Ft., In.)	A	20	30	40	50	60	70	80
Minimum Length of U-Tube Each Side (Ft., In.)	B	11,6	11,6	16,6	21,6	26,6	26,6	31,6
Maximum Length of U-Tube Each Side (Ft., In.)	B	11,6	16,6	21,6	26,6	31,6	36,6	41,6

For overall straight heater length, double "A" and add burner length. For overall U-Tube heater length, double "B" and add burner length.

<b>Input (BTU/Hr.) (x1000)</b>		<b>120</b>	<b>160</b>	<b>200</b>	<b>250</b>	<b>300</b>	<b>350</b>	<b>380</b>
Input per Branch		60	80	100	125	150	175	190
Fuel		Natural Gas (NG) or Propane Gas (LP)						
Inlet Pressure (In. w.c.)	NG	5.0 Minimum, 16.0 Maximum						
	LP	12.0 Minimum, 16.0 Maximum						
Gas Connection		3/4" NPT						
		(36" Stainless Steel Flex Included with Burner)						
Electrical Supply		120V, 60 Hz, 1.0 Amp						
Heat Exchanger Tubing		10 Ft. Sections, 4" dia., 16 Gauge, First 10 Ft. ALUMI-THERM® Steel Tubing (Remaining Hot Rolled, Heat Treated Aluminized or Double Porcelain Coated Steel Tubing)						
Exhaust Flue O.D. (In.)		4" Each Side, 6" Common						
Reflector and End Caps		.024 Mill Finish Aluminum (Optional -.024 Stainless Steel Type 304)						
Ignition		Honeywell® Dual Spark Fully Automatic, Three-Try, Direct Spark Electronic Ignition Control, 100% Shut-Off						
Approved As		Indoor (Vented or Unvented)						
CSA Standards		ANSI Z83.20-2001/CSA 2.34-2001, CAN 1-2.20						
Warranty		Three-Year Limited (Refer to Installation, Operation and Service Manual for Details)						

#### Weights

Burner (Lbs.)		50						
Overall Length of Tube and Accessory Packages Each Side (Ft.)		20	30	40	50	60	70	80
Hot Rolled or Aluminized Tube with Aluminum Reflector Each Side (Lbs.)		86	120	161	206	240	281	322
Aluminized Tube with Stainless Steel Reflector Each Side (Lbs.)		113	152	208	265	304	360	416
U-Tube Packages (Lbs.)								
Aluminized Tube with Aluminum End Caps		19						
Aluminized Tube with Stainless Steel End Caps		20						

#### Clearances to Combustibles\* (In.)

Model		TF-120	TF-160	TF-200	TF-250	TF-300	TF-350	TF-380
Horizontal		Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°	Horiz. 45°
	45°							
	A	6 8	6 8	6 10	6 10	6 12	8 12	8 12
	B	35 8	38 8	40 8	46 8	50 8	52 8	52 8
	C	63 60	66 66	71 74	77 78	80 84	82 85	82 85
	D	35 54	38 60	40 64	46 69	50 74	52 79	52 79

\*Clearances B, C, D can be reduced by 50% for locations 25 ft. or more downstream of the burner. For other mounting options and associated clearances, complete installation, operation and service criteria, please see the current issue of the VANTAGE® TF Installation, Operation and Service Manual.

**Installation Code:** ROBERTS GORDON® products are to be installed only in accordance with local laws, codes and regulations, and only by a contractor qualified in the installation and service of gas-fired heating equipment. **This product is not for residential use.**

**Further Information:** Applications, engineering and detailed guidance on systems design, installation and product performance is available through ROBERTS GORDON® North American independent distributors. Please contact us for any further information you may require, including the VANTAGE® TF Installation, Operation and Service Manual.

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