



#### **SPECIAL FEATURES**

##### **CONSERVES ENERGY**

Infrared heating conserves energy by heating the product directly with infrared radiation and not the surrounding air. This minimizes the amount of energy wasted out the exhaust stack. For years our customers have realized these savings using Casso-Solar Technologies electric infrared heaters, and now these same savings can be realized using natural gas or propane.

##### **SAVES FLOOR SPACE**

Since the available energy is absorbed directly by the product being heated, much shorter oven lengths are required than with the use of conventional convection ovens, usually with increased throughputs!

##### **SOLVENT SAFE**

The Casso-Solar Technologies Gas Catalytic heater uses a catalytic reaction, and not an open flame, to convert natural gas or propane into infrared energy. The absence of a flame allows the Gas Catalytic Heater to be used in solvent drying applications where other gas fired equipment is prohibited.

##### **EASY TO CONTROL**

Casso-Solar Technologies Gas Catalytic Heaters offer many control possibilities ranging from simple manual systems to sophisticated temperature controlled fully automatic systems. Our sales staff is always available to help you choose the control scheme that is right for your process and budget.

#### **Sales & Technical Information**

**1-845-354-2010**

Fax: 1-845-547-0328  
Website: [www.cassosolartechnologies.com](http://www.cassosolartechnologies.com)  
E-mail: [sales@cassosolartechnologies.com](mailto:sales@cassosolartechnologies.com)

**W**ith new product and process technology under continuous development, production equipment is required to give precise and flexible control over production quality, while operating efficiently with minimum maintenance. With over 50 years of experience, Casso-Solar Technologies has been providing our customers the competitive edge.

#### **APPLICATIONS KNOW HOW**

The correct use of infrared process heating comes through years of lab testing and field installation experience. Casso-Solar Technologies has achieved this know how through over 50 years of providing infrared process equipment to the manufacturing community. We challenge you to put our process knowledge to the test!

#### **GAS TRAIN**

Complete, prepiped gas trains are available from Casso-Solar Technologies. Please specify F.M. or I.R.I. requirements. Individual and replacement gas train components are also available.

#### **STANDARD SIZES**

Casso-Solar Technologies Gas Catalytic Heaters have been specifically designed in convenient building block sizes to match industry standards. This allows users of Casso-Solar Technologies and competitive electric infrared heaters to switch to less expensive gas fuel without the need for a completely new installation.

#### **THERMOCOUPLE**

For the most precise control of Casso-Solar Technologies Gas Catalytic heaters, closed loop thermocouple feedback control is recommended. Manual, open loop control systems are also available.

#### **ENVIRONMENTALLY SOUND**

The products of combustion - mostly carbon dioxide and water - are produced without igniting the gaseous fuel. Virtually no NO<sub>x</sub> or CO is produced.

#### **EXTENDED LIFE**

There are no wear parts that require routine servicing or replacement. Operation is essentially maintenance free over expected life.

#### **PROCESS-FRIENDLY DESIGN**

Ideal for applications requiring low airflow and minimal dust generation.

Heater Model	Heater Size	B.T.U.H		Cu. Ft./Hr		Op. Press		Preheat Amps			Ship Wt. (lbs)	Fuel Inlet
		Input	NG	LP	NG	LP	120V	240V	480V			
N6-12	6" x 12"	3,000	3.0	1.2	7"WC	11"WC	.8	-	-	12	3/8 NPT	
N6-24	6" x 24"	6,000	6.0	2.4	7"WC	11"WC	1.7	-	-	19	3/8 NPT	
N12-12	12" x 12"	6,000	6.0	2.3	7"WC	11"WC	1.7	-	-	19	3/8 NPT	
N12-24	12" x 24"	12,000	12.0	4.8	7"WC	11"WC	3.3	1.7	-	24	3/8 NPT	
N12-36	12" x 36"	18,000	18.0	7.2	7"WC	11"WC	-	2.5	1.3	30	3/8 NPT	
N12-48	12" x 48"	24,000	24.0	9.6	7"WC	11"WC	-	2.3	1.7	45	3/8 NPT	
N12-60	12" x 60"	30,000	30.0	12.0	7"WC	11"WC	-	4.2	2.1	49	3/8 NPT	
N18-36	18" x 36"	28,000	28.0	11.2	7"WC	11"WC	-	3.8	1.9	47	3/8 NPT	
N18-48	18" x 48"	37,000	37.0	14.8	7"WC	11"WC	-	5.0	2.5	58	3/8 NPT	
N18-60	18" x 60"	45,000	45.0	18.0	7"WC	11"WC	-	6.3	3.1	65	3/8 NPT	
N24-36	24" x 36"	36,000	36.0	14.0	7"WC	11"WC	-	5.0	2.5	63	3/8 NPT	
N24-48	24" x 48"	50,000	50.0	20.0	7"WC	11"WC	-	6.7	3.3	65	3/8 NPT	
N24-60	24" x 60"	60,000	60.0	24.0	7"WC	11"WC	-	8.3	4.2	75	3/8 NPT	

Heaters are stainless steel construction.  
Steel junction box standard on all models.

**OPTIONS**

- Thermoswitch
- 100% Safety Shut Off Valve
- Explosion-proof Junction Box.
- Type J or K Control Thermocouple

**ACCESSORIES**

- Complete Microprocessor based P.I.D. Temperature Control Systems
- Complete Gas Trains
- Face Grills
- Regulators
- LP Tanks
- Pressure Switches

**Applications include:**

Paint curing of Liquids & Powders  
Vacuum Forming  
Thermo Forming  
Hazardous location heating  
Fiberglass gelcoat curing  
Water evaporation  
Activation of adhesives  
Screen print curing / drying  
and more...

Catalytic Infrared heaters are generally approved for use by FACTORY MUTUAL SYSTEM for hazardous locations Class I, Division 2, Group D CGA/AGA approval for Class I, Division I, Group D

Custom Sizes and Voltages Available