

INSTRUMENT GAS HEATER

CONFIGURATION GUIDE



*Before selecting accessories, choose the IGH configuration that best fits your application. IGH units can be configured with single or dual heat exchange tubes, with preheating options available depending on the number of gas streams and heating requirements.

ACCESSORY CATEGORIES

Temperature & Heat Control

Controls outlet temperature and adjusts heater output to match changing operating conditions.

Fuel Pressure & Conditioning

Regulates fuel pressure and helps keep the fuel supply clean for dependable heater operation.

Electrical & Startup

Provides the temporary power and connection options needed to start catalytic operation.

Protection & Service

Adds protection, fuel isolation, and monitoring options to support easier operation and maintenance.

IGH ACCESSORY OPTIONS

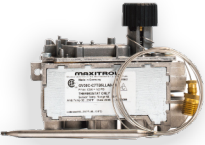
Accessory compatibility varies by IGH model, application, voltage, and configuration. Confirm that the heater and selected options can be configured together before ordering. Contact Catco for assistance.

1 TEMPERATURE & CONTROL

40-037 Thermostat

BENEFIT: AUTOMATIC HEAT CONTROL

Adjustable from about 60°F–250°F, using a direct-contact probe to regulate fuel flow based on actual equipment temperature.



Steady Heat Controller

BENEFIT: CONSISTENT OUTLET TEMPERATURE

Mixes heated and bypass gas to help maintain a controlled outlet temperature around 130–140°F.



30-030 Turndown Valve

BENEFIT: 50% HEAT OUTPUT REDUCTION

Manually reduces heater BTU output by 50% when engaged. Specify heater BTU rating when ordering.



2 FUEL PRESSURE & CONDITIONING

30-090 & 30-091 Fuel Gas Filters

BENEFIT: CLEANER, MORE DEPENDABLE FUEL DELIVERY

Helps remove moisture, debris, and contaminants before fuel reaches the heater.



High-Pressure Regulator + Relief Valve

BENEFIT: CONTROLLED HIGH-PRESSURE FUEL SUPPLY

Reduces higher inlet pressure before fuel reaches the IGH and provides pressure relief.



35-076 Gauge

BENEFIT: QUICK FUEL PRESSURE VERIFICATION

Provides a quick visual check to confirm 4.5 in. W.C. for natural gas or 11 in. W.C. for LP gas.



50-005/ 50-010 Low Pressure Regulator

BENEFIT: CONSISTENT FUEL PRESSURE

Reduces and controls incoming gas pressure so the heater receives the correct operating fuel pressure.



3 ELECTRICAL & STARTUP

Starting Cables

BENEFIT: FLEXIBLE STARTUP CONNECTIONS

Used to provide temporary electrical power that preheats the catalytic heater during startup, with multiple voltage, connection, and length configurations available to match the heater setup.



Junction Box

BENEFIT: MATCHED STARTUP CONNECTION

Provides the electrical connection point for the heater's starting cable, with plain or explosion-proof junction box options depending on the heater and application.



4 PROTECTION & SERVICE

Weather Cover

BENEFIT: ENVIRONMENTAL PROTECTION

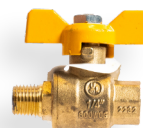
Helps protect the IGH from rain, snow, wind, and other outdoor exposure.



30-032 Mini Ball Valve

BENEFIT: QUICK FUEL ISOLATION

Provides a simple manual way to stop gas flow to the heater for startup, shutdown, inspection, or service.



Sales: 888-436-2095 | Tech Help: 888-436-2099 | info@catcousa.com | catcousa.com.