

NOVA

Dependable Gas Analysis Solutions

MODEL 400M

THERMOELECTRIC GAS COOLER-DRYER



APPLICATIONS

Provides continuous filtering, cooling, and moisture removal from hot or moist sample gases prior to analysis by gas analyzers.

FEATURES

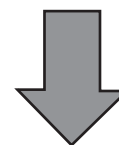
- Simple design that is easy to operate
- Cools up to 2 liters per minute of sample gas
- Fast cool down
- AC powered
- Digital readout of cooler temperature
- Modular layout that is easy to maintain
- Continuous condensate removal
- Built-in flowmeter, PTFE liquid blocker, and drain pump
- Rugged wall-mount NEMA12 cabinet
- Corrosion-resistant wetted parts

OPTIONS

- Built-in sample pump for analyzers without a pump
- Alarm light for plugged filter



Cooled and dried gas sent
to analyzer
(sold separately)



NOVA ANALYTICAL SYSTEMS

www.nova-gas.com

DESCRIPTION

The Model 400M Thermoelectric Gas Cooler is ideal for use with flue gas analyzers where continuous moisture removal is required.

The Model 400M is installed in series with the sample line between the probe filter and analyzer. Once it has AC power, it will cool the incoming sample down to about 10°C or 50°F. This will cause any excess moisture to condense and fall into a trap where it is drawn off to drain with a small pump.

The Model 400M ensures that the sample gas to the analyzer will always be clean and dry.

SPECIFICATIONS

Nova reserves the right to specification changes which may occur with advances in design without prior notice.

Description	
Maximum Inlet Temperature:	175°F (80°C)
Maximum Inlet Pressure:	0.5 PSI (3.5 KPa)
Flow Rate:	1-2 LPM
Controlled Temperature:	10°C (50°F)
Inlet & Outlet Tubing Connections:	1/4" FNPT
Ambient Temperature Range:	40° to 120°F (4° to 49°C)
Size and Weight:	Approx. - 14" H x 12" W x 8" D (35.6 x 30.5 x 20.3 cm) @ 18lbs. (8.2kg)
Power:	115VAC 60 Hz / 220VAC 50Hz

UNIQUE APPLICATIONS

All Nova analyzers are built using proven technologies and techniques. If this product does not suit your application, please contact Nova at 1-800-295-3771. In many cases, we are able to build an analyzer specific to your needs.



NOVA ANALYTICAL SYSTEMS
A UNIT OF TENOVA GOODFELLOW INC.

IN USA:
1925 Pine Avenue • Niagara Falls, NY • 14301
Tel: 1-800-295-3771 • 716.285.0418 • Fax: 716.282.2937
IN CANADA:
270 Sherman Avenue North • Hamilton, ON • L8L 6N5
Tel: 905.545.2003 • Fax: 905.545.4248
email: sales@nova-gas.com
websales@nova-gas.com



www.nova-gas.com