

GAS CONDITIONING SYSTEM



The Catco Gas Conditioning System provides an easy setup- single post solution for clean and effective gas warming.

This design will minimize condensation and reduce the potential to freeze due to pressure loss while maximizing the filtration effectiveness ahead of any process use.

The Filtration solves for moisture, dissolved solids and other particulates that would otherwise be damaging to critical need components or measurement instruments.

Our system combines a catalytic heater with a filtration flow path through a durable insulated housing. The housing is mounted to a powder-coated T-Stand post for easy installation and deployment.

CATCO Gas Conditioning System ADVANTAGES

CONTINUOUS OPERATION

With the Twin Valve Filter design, gas is allowed to continuously flow during servicing or replacement of filter cartridges

SAFETY

Using the safe, flame-less heating of our Catco heater, we satisfy all Class 1, Division 1, hazardous location needs.

DURABLE

The entire unit is designed for use in extreme environments with heavy-duty construction and corrosion-resistant parts

FLEXIBLE

The filter cartridge holders are easily replaced with the cartridge brand or style of your choice for variable conditions and desired particulates or deodorization isolation.





HOW IT WORKS

1

The Catco GCS will pre-heat all gas and flow through a twin valve Filter/ Dryer station.

2

A 1st Stage Heat Process is applied as well as pressure regulation.

3

A 2nd Heat Process is applied to the gas before flowing to service.

SPECIFICATIONS

Filter/ Dryer Specifications

- Maximum Allowable Operating Pressure: 1500 psig (x4) safety factor.
- Maximum Allowable Operating Temperature: -20 -200F.
- Max flow rate: 50 SCFM or 3000 SCFH.
- Media: Silica Gel and Activated Carbon mix. Remove solid (down to 4 microns). moisture, liquid hydrocarbons, aerisols, odorants, and sulfur.
- 1/4" Female NPT inlet, outlet, and drain connections.

Construction Specifications (for model shown 15-1220-1-40)

- 3/8" stainless steel tubing.
- Uses a Catco Catalytic Heater that can be installed in FM class, Division 1 or 2 Group D hazardous locations.
- Three high-pressure regulators.
- Relief valve
- Low-pressure regulator.
- Four glycol-filled gauges to measure the output of high-pressure regulators and filters for safety and accuracy.
- Thermostat to decrease heat output ~50% at adjustable setpoint



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