



DELTA

Measurement & Combustion Controls



NO and NOx Monitoring Systems

MULTI-GAS COMBUSTION ANALYZER

ENHANCED
COMBUSTION
CONTROL

IMPROVES
EFFICIENCY

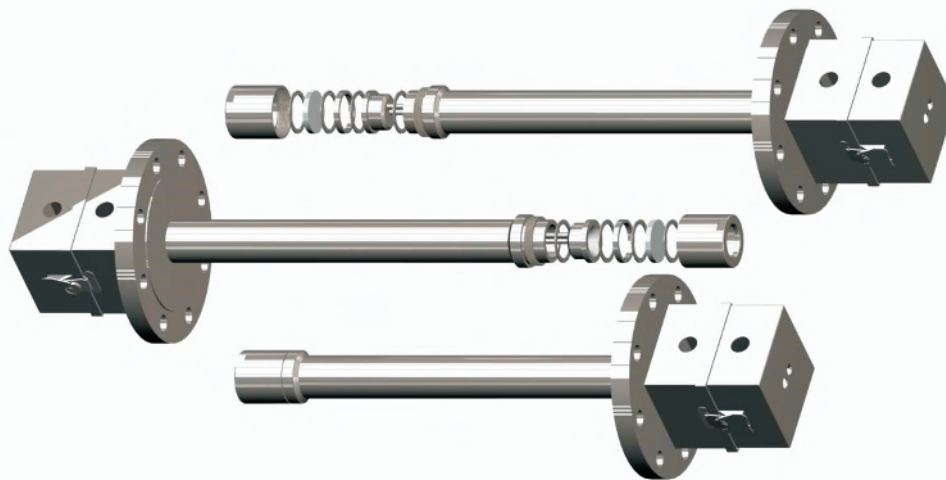
SUPPORTS
ENVIRONMENTAL
COMPLIANCE

NO and NO_x Monitoring Systems

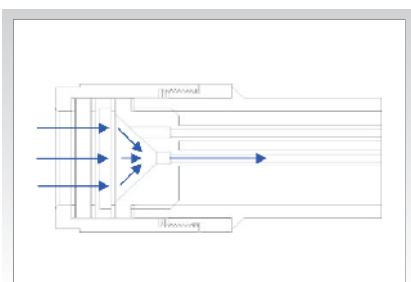
DMCCO provides highly reliable NO and NO_x systems using their custom extractive probe design and localized cabinet.

- ☑ Measurement method uses precise chemiluminescent analyzer technology.
- ☑ SCR inlet and outlet NO_x measurement and control.
- ☑ Replaces existing high maintenance analyzers and elaborate extractive sampling systems.

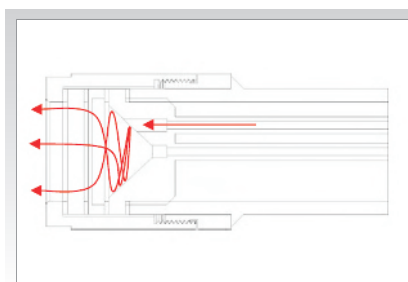
Probe design offers years of maintenance free operation in high ash and high sulfur environments.



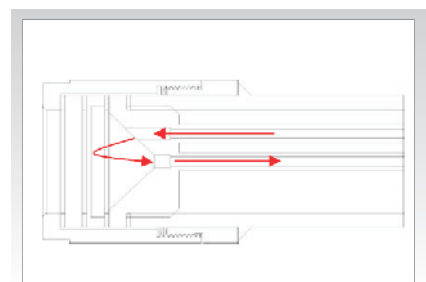
Sample



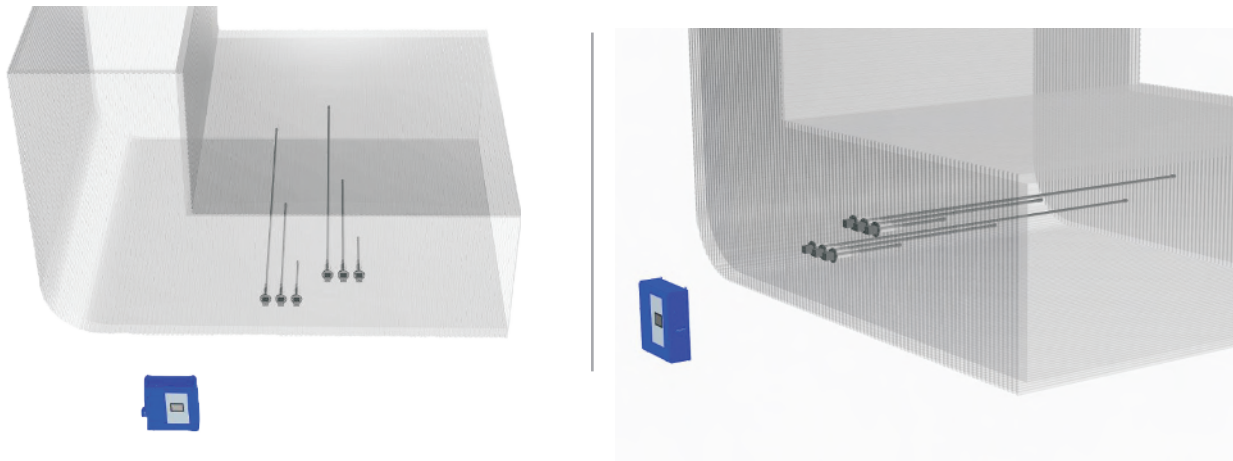
Purge (Drain Closed)



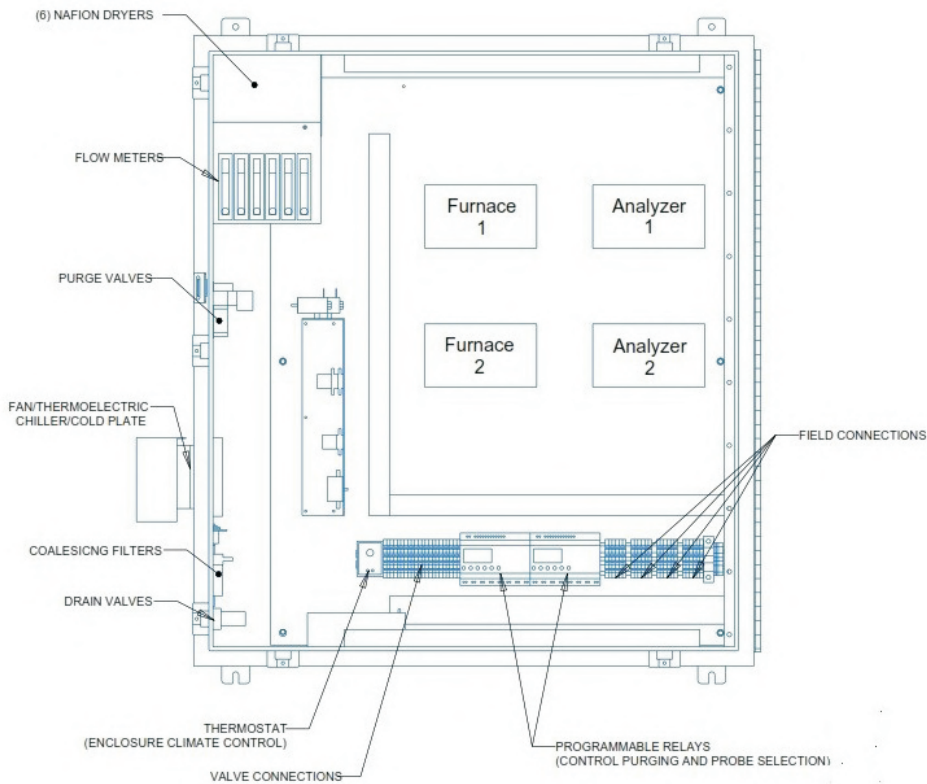
Purge (Drain Open)



Various length probes can be installed in a grid formation. Local Cabinet can be mounted close to the extraction probes for simple and low-cost installation.



Cabinet Layout for Multi Zone NOx Analyzers



General Specifications-ANALYZER

Product Type	NO monitoring system for low level continuous monitoring of NO and NOx in flue gas.
Coverage	Single zone and multi point
Measuring Range	0 to 500 ppm
Monitoring Distance	Up to 100 feet maximum gas-sample line length
Front Panel	Indicator lights: INSTRUMENT ON – Display is lit and LED on analyzer is lit when power is on.
Detector Type	Chemiluminescence
Sensitivity	0.25% of reading
Zero Calibration Drift	±0.2 ppm
Span Calibration Drift	± 1% of reading
Temperature Drift	±0.2% of reading per degrees C
System Noise	Less than 40dB(A) at 10 feet
Conditioned Signal	4–20 mA (non-isolated unless provided with an independent
Power Safety Mode	Fully automatic system reset; all programmed parameters retained
Operating Temp	32 to 122 °F (0 to 50 °C)
Ambient Humidity	5% to 90% RH (non-condensing)
Altitude Limit	2000 Meters

Sample Gas Conditions-SAMPLE PROBE

Flow Rate	0.20 lpm
Process Gas Temp	Up to 950 °F (0 to 510 °C) continuous, HT versions avail.
Process Pressure	From -0.5 psi to 1.0 psi
Process Gas Constituents	Common with coal-fired effluent

Connections-PROBE to ANALYZER

Pneumatic Connection	0.25 inch high temp, thick wall, PTFE tubing
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