



Enclosed Combustor - AB-200

COMSTDAB200-2.0

Introduction

Cimarron is pleased to offer the Aereon AB-200 Quad-O Certified Combustor to meet the specified needs of your application. Please note that the shell of this combustor is constructed out of stainless steel and it is not insulated. The skin temperature could be greater than 1000 degrees Fahrenheit.

Advantages of Using Our Unique Combustion Technology

Operating Temperatures up to 2100°F

Modular, Compact Design & Easy to Install/Service

OOOO (Quad O) Certified. >98% DRE when operating within flow rate guidelines and stated process sizing parameters.

Combustion Chamber

47" Diameter enclosed combustion chamber, 20 feet overall height

Single piece design for ease of transportation and installation

Material of Construction

- Flare Stack Enclosure: 304SS

Internal Burner Nozzle Assembly

Proprietary Design Promotes Air Induction & Complete Combustion

Requires No Assist Gas, No Steam, No Premixing, and No Blowers

3" x 150# RFSO Stainless Steel Inlet Nozzle For Waste Gas

304 Stainless Steel Piping

Gas Fittings in Accordance with NFPA, UL, and/or CSA

Flare Inlet Line (Shipped loose for field installation) including Pneumatic SDV & Deflagration Arrestor, see below for instrument details.

Cimarron Standard Pilot

Electric Spark Ignition

Pilot Monitored Via Ionization Rod

Pilot Nozzle/Body - 310/316SS

Pilot Fuel Gas Assembly Line Including:

- Pilot Isolation Ball Valve 1/2IN 150# ONE PIECE 304SST
- Pilot Shutdown Solenoid Valve 1/4IN 2WAY 24VDC





Included Accessories

Description	OEM	OEM Model #	QTY
Deflagration Arrestor RF 3In CS X SST	Protego	156897	1
Valve, Butterfly Pneumatic 3IN LP IRON 304 SS	Cimarron	156398	1
Pressure Transducer 1/2" NPT 0-50IN H2O W/ 6IN LEADS 304 SS	Cimarron	156892	1
Sight Glass 2" MNPT without Reflector 304 SS	Generic	201061	1
Stack Thermowell 9" X 0.260 BORE 1/2IN MNPT STRAIGHT 304 SS	Generic	157953	1
Stack Thermocouple 9" TYPE K 304 SS	Generic	157952	1

Utilities

Pilot Gas:	Propane: 15 SCFH @ 4 psig. If Natural Gas is used: 30 SCFH @ 8 - 10 psig (per ignitor). Max Inlet Pressure: 150 psig
Electrical:	24 VDC (Controls)
Instrument Air	30 psig minimum

Optional Accessories

Description	OEM	OEM Model #	QTY
Kit Bird Screen AB200	Cimarron	201068	1
5'x5' Half Skid For AB200	Cimarron	1622702	2
Weldment Stack Extension AB200 47"ODx60"	Cimarron	3503805	1
72"OD x 12" Concrete Pad For AB-200	Cimarron	159230	1
AB200 Air Intake / Windguard	Cimarron	159193	1

Optional Spare Parts Kits (Other Voltages available as custom kit)

Aereon Control System Kit				
Description	Part No.	Start-Up	2 Years	Weight
Thermocouple, 1/4"x9" 316SS Single Type K	157952	1	1	4 lbs.
Thermowell 1/2"MNPTx1/2"FNTP 9"x.250" Bore 304 SS	157953	1	1	4 lbs.

Operational Clarifications

This is a non temperature-controlled unit, therefore NOx and CO emissions cannot be guaranteed.

Minimum DRE is 98%

This unit is not insulated. Customer to inform if there are any special requirements regarding maximum allowable temperature around the unit.

The unit may not meet all structural requirements of the Plant. Customer to inform if there are any local regulations to consider.



AB-200 Flow Curve



