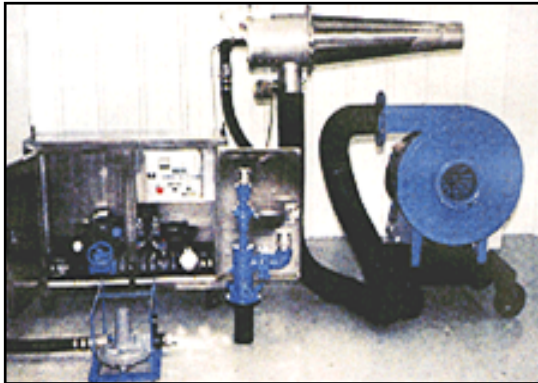




Gas Equipment & Combustion Heating

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High Velocity Combustion Units

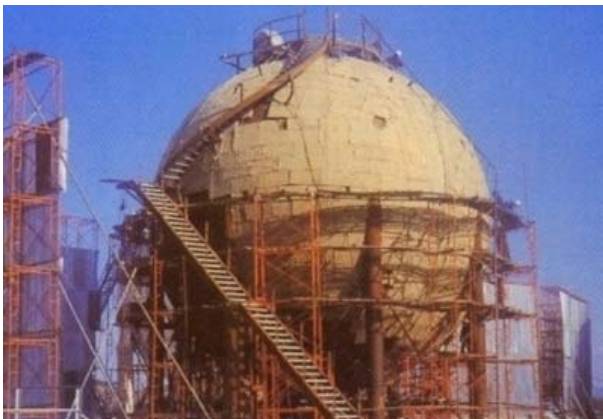
MANNINGS' High Velocity combustion units have proven themselves in all types of heating projects, where heat uniformity, accurate control, dependability, and safety is critical. MANNINGS' equipment has been designed with the customer in mind. Burner sizes range from 500,000 BTU/hr. to 20 million BTU/hr., each having exceptional turn down characteristics.

Manual and Automatic Features

We provide high volume, uniform low temperature conditions that are essential at the beginning of an operational cycle. The units are designed to be operated manually with programmable automatic controls. Robust in construction, with a heavy on-site work load capability.



Portable and Practical



Large steel vessels that must be fabricated On site are impractical to transport for heat-treating. This photo shows a gas storage sphere that after onsite fabrication was insulated externally. Mannings' high velocity gas equipment was then used to heat the sphere from the inside, in essence turning the fabrication into its own furnace!

Gas Equipment / Radiant Preheat Burners



Stock No. **91000**

Stock No.	Description
91000	Twin Channel Semi-Automatic Control Unit
91100	Single Channel Semi-Automatic Control Unit
90000	Burner: 6" x 24" (Maximum 50,000 BTU/Hour)
90100	Burner: 6" x 36" (Maximum 75,000 BTU/Hour)
90200	Burner: 6" x 48" (Maximum 100,000 BTU/Hour)
90300	Burner: 12" x 12" (Maximum 50,000 BTU/Hour)

Burner Accessories

Stock No.	Description
92000	Pedestal Stand: Height 30" x 54"
92010	Pedestal Stand: Height 18" x 30"
92100	Scissor Stand: Height 10" x 30"
93000	Flame Failure Unit: Valve Only
93100	Stainless Steel Deflector Plate
93200	Link Fitting for Series Linked Connectors
93300	4-Way Manifold: With Pressure Regulator and Gauge
93400	Propane Bottle Regulator

Burner Hoses

Stock No.	Description
94000	Main Supply Hose: From Bottle to Control Unit or Manifold, 20 feet long, Complete with Couplings
94100	Burner Supply Hose: From Bottle to Control Unit or Manifold, 20 feet long, Complete with Couplings
94200	Series Link Hoses: Burner to Burner, Three at 3 feet long, Complete with Couplings

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Gas Equipment & Combustion Heating

Gas Burner



Stock No. **90400**

- Stainless Steel 6-8 Million BTU Burner. Portable, Dual Wall with Self-Contained Ignition Transformer and Igniter.
- U.V. Scanner
- Inlet Gas Line, Two (2) Inch Quick Disconnect Connectors
- Gas Shut-Off Switch with loss of Air
- Air Damper Butterfly Valve on Air Inlet

Gas Train



Stock No. **91200**

Stock No. **91300 (AUTOMATIC)**

- Gas Train in Self-Contained Stainless Steel Cabinet Mounted on Four (4) Inch Rubber Tired Wheels.
- Control System, Blocking Valves, Main and Pilot.
- Manual Control, Main and Pilot.
- High Limit Switch, Indicating Pressure Outlet Gauge (Magnehelic).
- Flame Safety Tervcon U.V. System with Meter Readout.
- Two (2) Inch Disconnect Coupling on Gas Inlet and Outlet.
- Interconnecting Cable from Cabinet to Burner

Blower



Stock No. **93500**

- 93,000 Cubic Feet Per Hour at 14 Ounces of Pressure or 80,000 C.F.H. at 16 Ounces of Pressure
- 460/230 VAC 3-Phase, 60 cycle-15 Horsepower Motor.
- Self-Contained Starter Incorporating Motor Overload Protection.

Miscellaneous Burner Accessories

Stock No.	Description
96000	Fuel Jets: A Pack of 5
96100	Ceramic Plaques: A Pack of 5
96200	Inconel Mesh Burner Face: (24" x 6")
96400	"O" Clip Rings: A Pack of 10 (0.625)
96500	"O" Clip Pliers
96600	Female Link Hose Coupling
96610	Male Link Hose Coupling
91400	Motorized Gas Valve 4-20 MA/120Vac
91500	Controller: P-2000

Hoses

Stock No.	Description
94300	Hose: 3 each - Twenty (20) foot gas hoses
94400	Hose: 1 each - Twenty five (25) foot length of air hose
94401	243-8-1: Pressure Regulator Steel Frame / Disconnect Coupling to fit Gas Train
94402	Vaporizer: Direct fired 520 Regulator, Thermostat, Self pilot

Spares for High Velocity Gas Burner

Stock No.	Description
94500	Flame Safety Module
94510	Peeper
94520	Spark Plug
94530	Transformer 600V
94550	2" 110V Solenoid Valve 25 Psi
94560	1/2" 110V Solenoid Valve 25 Psi
94511	U.V. Peepers Line Plug
94512	U.V. Peepers Line Socket
94531	Ignition Line Plug
94532	Ignition Line Socket
94581	Main Power Line Plug
94582	Main Power Line Socket
94575	6" Hose Clamps
94576	Air Limit Socket (Receptacle)
94577	Air Limit Switch
94578	Gas Limit Switch

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