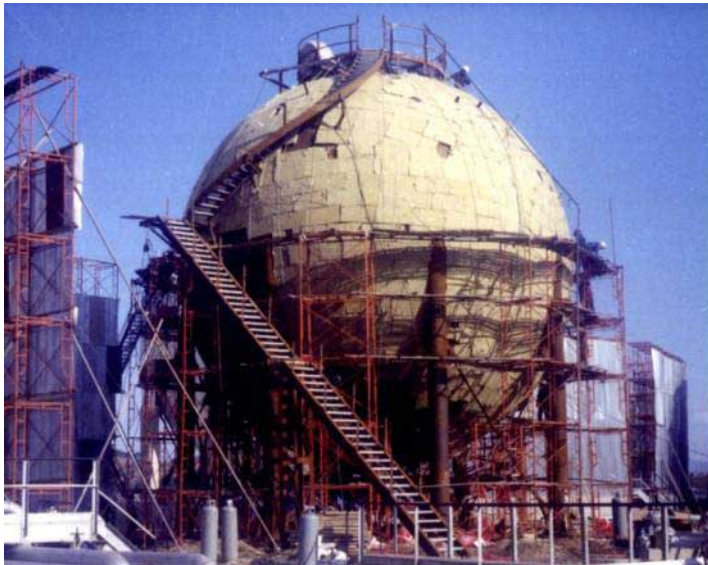


## Heat Treatment, Curing & Dryout



Large steel vessels fabricated on site and impractical to transport when complete and of necessity requiring postweld heat treatment, are insulated externally as soon as the fabrication is complete.

Gas fired portable high velocity burners are fired into the vessel, exterior insulation converting it into its own furnace.

The photograph shows two of six 15M diameter Oxygen Storage Spheres erected in Korea requiring postweld heat treatment at a temperature of  $600^{\circ}\text{C} \pm 10^{\circ}\text{C}$ . Similar work has been carried out by Mannings in countries throughout the world, such as

## High Velocity Combustion Equipment

Mannings high velocity combustion units can be used for refractory dryouts and curing, together with temporary furnace and P.W.H.T. of large fabrications by direct firing.

Mannings also manufacture a dual fuel burner, for use with diesel-oil and gaseous fuels.

The unit has a maximum full air flow of 80,000 S.C.F.H. and a maximum output of  $8.10^6$  BTU/h ( $2.8^6 \times 10^6$  kCals/h)

Having an exceptional turn down characteristic it can provide high volume low temperature conditions that are essential at the beginning of an operational cycle.

The unit is designed to be operated manually, but automatic control can be introduced as an extra feature by adding a Mannings P250A programmer.

Fully mobile, the unit has a sensible purchase price, is economical to use and simple to operate. Robust in construction, the equipment has a heavy on-site work load capacity.

***U.K., U.S.A., Egypt, Spain, Singapore, Korea, Canada, Nigeria, Indonesia, Malaysia, Brazil, Thailand, Australia, Bahrain, Qatar, Italy, France, Germany, Japan, and Jordan.***

The burner may also be used to fire an on-site temporary furnace where conventional furnaces are not available or the charge is too large for transporting and not of suitable shape or construction to use the internal heating technique.

