

Specialising in the Design and Manufacture of Low NOx Oil & Gas Burners

Oil Gun Test Rig



Design Principles

Credfeld are able to carry out flow testing of atomizers on an in-house test rig specifically designed for the purpose. Similar test rigs can be supplied to the end user for maintenance and testing of oil guns on site.

The reason for this is to ensure that, in a multi-burner system, the fuel is distributed uniformly between the burners as near as possible so as to match the air, which should also be evenly distributed. This means that control over combustion

efficiency can be maintained to the highest level. The rig has been constructed with a typical Power Station oil gun installed so that the conditions on the rig match those at the site as near as possible. There is also a viewing window so that the spray pattern can be observed and photographs taken to record the outcome of design changes or the implementation of varying pressures and flow rates, etc.