DURAG

Engineering Design & Systems Pty Ltd
11, 9 Narabang Way, BELROSE, NSW, 2085
t: 02 9450 2208 www.edsi.com.au

Combustion Technology

Electrical Igniters

High Energy Ignition devices suitable for the ignition of gas or liquid fuels in industrial burners of any capacity

Ignition Lances

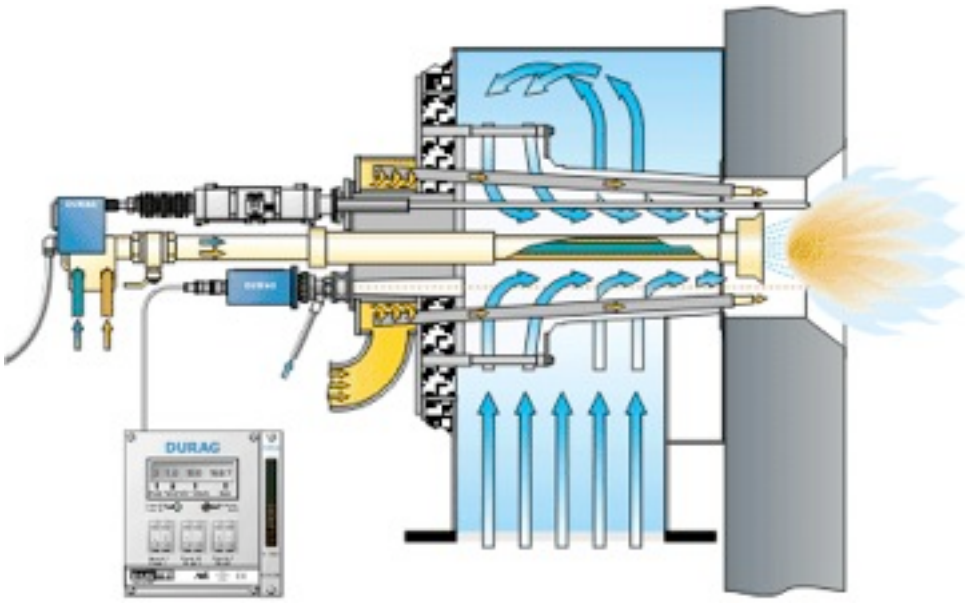
Ignition tip temperature-proof up to 600°C, up to 800°C for a short period. High-temperature model temperature-proof up to 1000°C

Retraction Units

Pneumatic Retraction Units

Gas, Oil & Dual-Fuel Igniters - Gas Burners

- Compact design with integrated ignition transformer and flame monitor/burner control.
- Built-in flame ionisation electrode, ideally located.
- No high-voltage cable required on site.
- Guaranteed electromagnetic compatibility.
- Rugged, low-maintenance design



Flame Monitors

Self-monitoring and fail-safe compact flame monitors for the monitoring of gas, oil and coal flames with integrated UV, VIS or IR flame sensor, monitoring for burners of any load.

Flame Sensors

Flame sensor for the monitoring of gas, oil and coal flames, rigid or flexible fibre optics, harsh environment sensors

Control Units

Self-monitoring and fail-safe control unit for the monitoring of gas, oil and coal flames with DURAG UV, UV+IR or IR flame sensors, primarily in single burner furnaces

Burner Controls

Self-monitoring and fail-safe burner control for the control of gas and oil burners as well as combined gas/oil burners of any capacity

Accessories for Combustion Technology

Housings, terminal boxes, calibration aids

Accessories for Burners & Igniters

Pressure switches & gauges, gas valves, hoses, pilot gas valves.

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Environmental Monitoring

Optical Transmission Dust Concentration Monitors

Measuring of dust concentration in dry stacks with larger diameters. Application in heating plants, power plants, converter plants, waste incineration plants, asphalt mixing plants, cement plants.

Reflection Dust Concentration Monitors

Measuring of low dust concentrations in stacks with smaller diameters. Application in heating plants, waste incinerators, cement plants

Triboelectric Combination Filter

Measuring of dust concentration, flow velocity, volume flow, exhaust gas temperature and stack pressure

Volume Flow Meters

Ultrasonic measuring in exhaust gas below dew point, e.g. behind wet scrubbers, in waste incinerators etc. Differential pressure measuring in high temperature gas.

Troboelectric Filter Monitors

Broken bag detection in dry dust. Filter efficiency monitoring. Continuous dust measurement.

Environmental & Process Data Management.

Modular system for continuous acquisition, long-term storage, calculation and visualisation of environmental and process data. Instruments for monitoring legally prescribed limit values and recording their observance. Emission monitoring and remote data transmission to the authorities if required. Specifications according to EU guidelines 2000/76/EC and 2001/80/EC. Adjustable to any plant size through to complete assessment of complex industrial sites. Continuous monitoring of 1 to 320 components per system workstation. Interconnection of any number of components via data networks