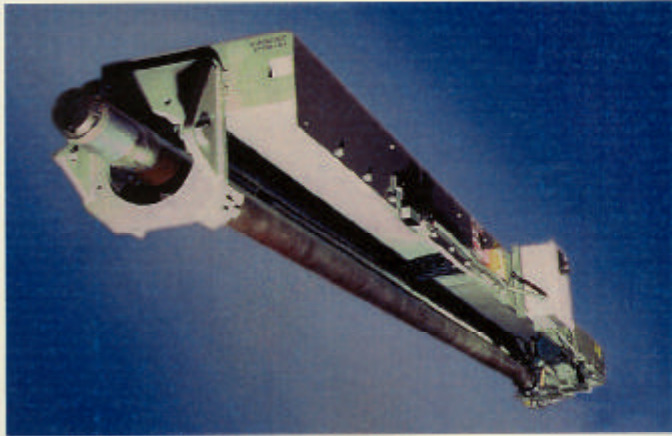




IK-510-LR

Dual Media Air/Gas Gas Heater Cleaner



The IK-510-LR Air/Gas Gas Heater Cleaner provides the ability to clean high density air/gas gas heater baskets with steam or air while a unit is on-line and wash with high pressure water while the unit is on-line or off-line.

The IK-510-LR responds to increasing cleaning demands due to fuel changes and ammonia salt deposits associated with selective catalytic reduction (SCR) installations.

The lance tube is fully retractable to maximise operational life and is fitted with a unique nozzle configuration. This design allows three modes of operation: steam and/or air for day-to-day improved element cleaning, low pressure water for water soluble cleaning action and high pressure water for tougher cleaning applications.

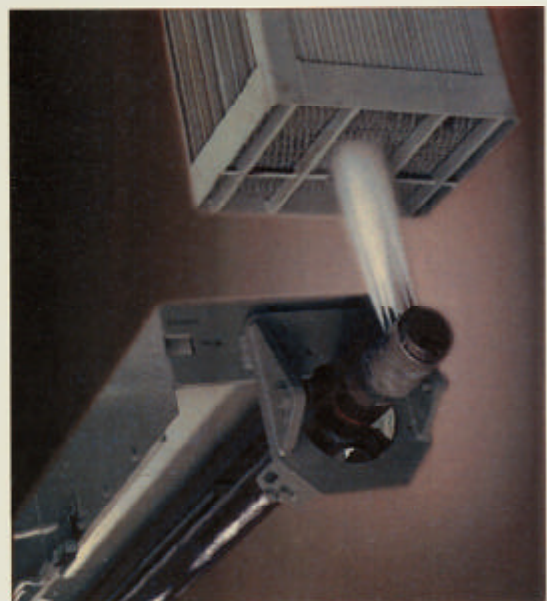
With the push of a button, the IK-510-LR can switch from efficient daily cleaning mode to a highly effective in-place, high-pressure wash (up to 275 bar) mode during scheduled and unscheduled outages.

The IK-510-LR achieves **complete** cleaning coverage while minimising cleaning media consumption due to the unique nozzle design and One Way Cleaning™ technology.

Introduced in 1967, the original IK-525 has long demonstrated its effectiveness and reliability in multiple-cleaning applications. The IK-525 is the design basis for the IK-510-LR Air Heater Cleaner. Today's IK-525 design is a product of 30 years of proven success.

Cleaning Advantages

- Improved heat transfer rates.
- Improved cleaning while on-line resulting in reduction in water washing efforts.
- Tremendous reduction in set-up time to begin water washing.
- Reduction in water usage due to our concentrated water cleaning by multiple nozzle design and One Way Cleaning™ technology.
- Extended lance life due to full retraction from the gas gas heater.
- Ability to water wash during unscheduled outages with the push of a button.
- Better cleaning results compared to conventional manual efforts.



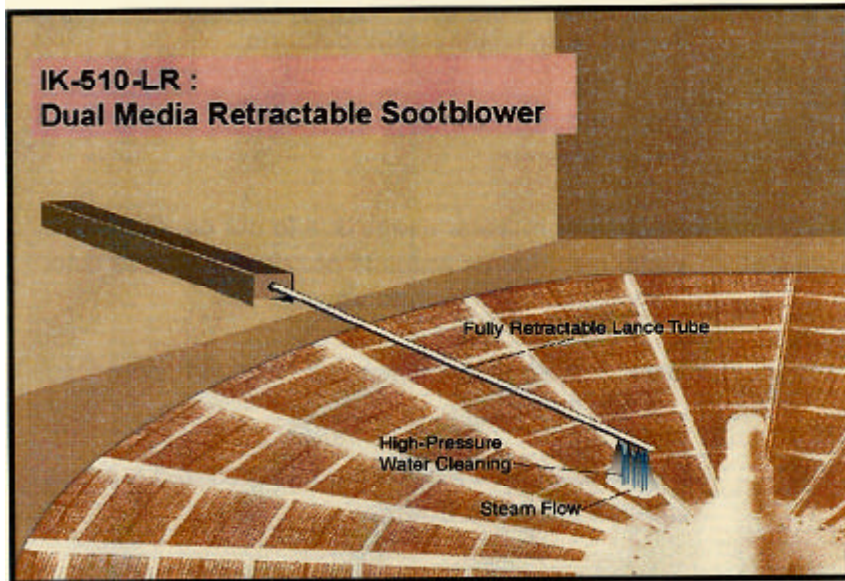
IK-510-LR in high pressure water wash mode. The Air/Gas Gas Heater Cleaner can be mounted vertically (for blowing left or right) or horizontally (for blowing up or down).

Ease of Maintenance

IK-510-LR air/gas gas heater cleaner design allows carriage and lance assembly retraction beyond the carriage rest position for online inspection of water nozzles. Nozzles can be maintained *without* lance removal.

Safety

IK-510-LR air/gas gas heater cleaner is designed to comply with EC applicable directives. The beam canopy covers the majority of the carriage and surrounds all moving parts, i.e. drive pinions, rollers, Powerlink™ Cable Carrier.



Flexible Operation

The IK-510-LR is capable of delivering multiple cleaning mediums through one unique nozzle configuration, with built in programmable zone control multiple pass cleaning.

High Pressure Water

Steam, Air or Low Pressure Water

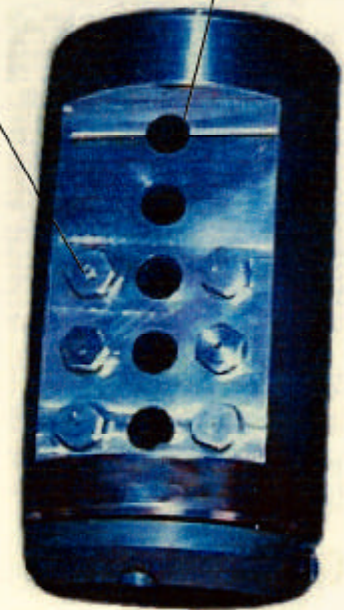


Figure 1
IK-510-LR
(Detail)

Product Specifications

Beam	5mm carbon steel, primer and enamel paint
Carriage	Series One with segregated chamber
Lance Tube	125mm OD high strength/high temperature BW6330, replaceable on line
Feed Tube	60mm OD polished stainless steel
Hi-Pressure Water Tube	Dual 16mm stainless steel tubing
Steam/Air Nozzles	5 x 14mm ID
Hi-Pressure Water Nozzles	6 x 0° fan, replaceable on line
Poppet Valve	Diaphragm operated, 40 bar carbon steel (std.)
Motor	1.5 kW, 3 ph, 50/60 Hz TEFC
Power Cord	Powerlink Cable Carrier
Limit Switches	Proximity or Mechanical

For engineered solutions to your specific boiler cleaning needs, contact your local Diamond Power representative or call our main office at:
Glasgow Road, Dumbarton, Scotland Tel: 44 (0) 1389 744000 Fax: 44 (0) 1389 744028