

The Wall - Eye LT camera system is composed of a stainless steel housing which protects the camera and a high temperature lens tube. The lens tube focuses the image from the boiler opening to the camera in the housing, see picture below for lengths available. The large housing allows the use of various different camera as depending on the application . The lens tube is factory - assembled into replaceable units for easy maintenance.

The stainless steel housing is made to endure harsh working environments. The housing provides high corrosion resistance and is equipped with a silicone tube gasket which provides good sealing from dust and moisture. The silicone tube is also covered with a monel mesh which improves the housings protection against electromagnetic interference. The housing has a vortex cooler fitted to provide cooling air for the camera electronics.

BENEFITS

- A very versatile and rugged solution which allows monitoring of the most severe parts of the furnace.
- The camera electronics is easily accessible by removing the upper half of the housing to simplify maintenance and ease field adjustments.
- High definition cameras available for a better view of the process.
- Easily mounted in existing boiler openings, lens tube with wall sleeve measuring at roughly 60 mm diameter to fit smaller openings.

SPECIFICATIONS

Air requirement: Dry, oil free plant or instrument air.

Air pressure: Min: 4 Bar (60 PSI), Max: 7 Bar (100 PSI)

Lens tube: 72°H x 54°V Field of view

Operating temperature: Up to 1650°C furnace temperatures

Camera system: PAL color (NTSC optional)

Applications: Industries served include Utilities, Pulp and Paper, Steel and Glass. Coal-, oil-, wood- or gas-fired boilers and furnaces.

OPTIONAL

Pneumatic retract system with field control cabinet.
Remote control box for pneumatic retract system.

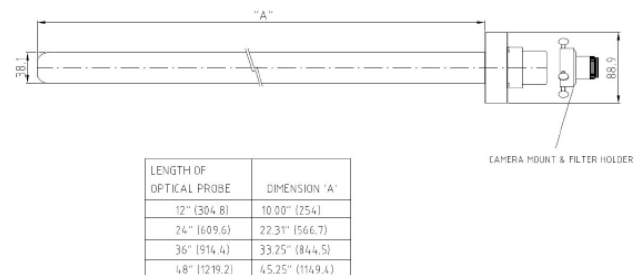


Figure 1: Available lengths of optical probe

