

















## 1. Combustion Chamber

Large volume combustion chamber; flame and combustion gases in the burner fed from the back of the boiler combustion chamber and enter the second pass flues. As the furnace temperature is not too high, lower furnace pressures and combustion gases enable lower NOx levels.

## 2. Second Pass Flues

They transfer the hot gases formed in the combustion chamber to the boiler front fume box. This is one of the main factors that enable lower NOx emissions.

## 3. Third Pass Flues and Turbulators

Stainless and cor-ten steel turbulators located inside the flues enable the combustion gases to swivel. maximum heat transfer to the boiler water. Decrease the temperature of the flue gas to ensure an optimal setting.

## 4. Boiler Body

The boiler has a completely welded, flame flue type, single block steel body. Possible thermal stresses are balanced thanks to homogeneous heat transfer. It has a long service life.

## 5. Cover

The front cover can be opened in both directions. Easy installation, maintenance and cleaning. Independently adjustable sealing on the 4 edges thanks to specially designed hinge system. To protect from possible sealing damage, the cover is automatically pulled forward while loosening the hinge side.

## 6. Front Cover Insulation

Insulation with a high temperature resistant refractory material. Extended gas tightness life thanks to flexible thick filters.

## 7. Boiler Outer Protection Plates

Metallic grey, double coated special protective paint. Aesthetically appealing and modern look. Types 1.000 to 3.000 the outer shield is in the form of galvanized plates wrapped around the body.

## 8. Body Insulation

Boiler stand-by losses are reduced to minimum thanks to perfectly insulated body.

## 9. Feet

Single piece, robust steel feet that extend throughout the boiler. Easy to slide along piping to move the boiler.

## 10. Gas/Liquid Burner

No need for long nozzle, high pressure burners. It is fully compatible with all burners that are standards compliant.



The right to amend specifications under technologic developments is reserved

**ALARKO**



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