

TSEK
ISO 9001-2008



THE FEATURES OF AOYS FRONT BURNER COMBUSTION SYSTEMS

- AOYS Front burner combustion systems are mounted on flame-smoke pipe and water pipe boilers in order to ensure enough burning surfaces and it ensures to be burnt of the solid fuel in sufficient burning volume and the transfer of the energy to the fluid.
- By installing on the liquid-gas fuel boilers, it allows the system to burn solid fuel, and in compensation for increasing the operation expenses of the liquid-gas fuels that are outsourcing and with high cost, it reduces the operation expenses of front burner combustion systems at the rate of 65%.
- It allows the solid fuels removed in our country to burn in high efficiency with appropriate furnace and burning systems.
- In necessary situations, thanks to suitable design facility, liquid-gas fuel burner connection is made to the front burners allow the fuels in different quality to burn easily without changing burning system.
- AOYS Front burner combustion systems form a section composed of water walls occurred by pipes- water pipes with pipe construction.
- AOYS Front burner combustion systems were manufactured from seamless steel drawn pipes, this feature allows it to resist to high pressures and the usage of heating surfaces at optimum level.
- With AST Mechanical powder coal burner stocker application, automatic loaded burning systems are obtained and energy needs can be met at high capacities.
- In order to ensure the heating surface increase of the boilers of AST present boilers, front furnace application can be done.
- At high capacities that cannot be reached by AST Mechanical Powder Coal Burner stocker, it shows superior performance with chain grate stocker burning systems.
- AOYS Front Burner Combustion Systems are environmentally friendly with high combustion efficiencies.
- Its design and manufacture is conducted in accordance with TS EN 12953-1-3, TS 377-1-2-3-4-5-6-7-8-10-11-12-14, TS EN 12953-1-2-3-4-5-6-7-8-10-11-12- 14 standards.
- It is manufactured with computer aided design and manufacturing technology in accordance with CE quality standards, TRD pressure vessels directive, EN and TSE 377 standards.
- According to the process used, it has maximum heating surface that will be enough to obtain the highest efficiency.
- With optimum isolation amount, it increases boiler performance in reaching to maximum performance.
- With high capacity range, it provides wide industrial usage area.
- AOYS Front Burner Combustion Systems are specially designed and manufactured according to the required energy amount.