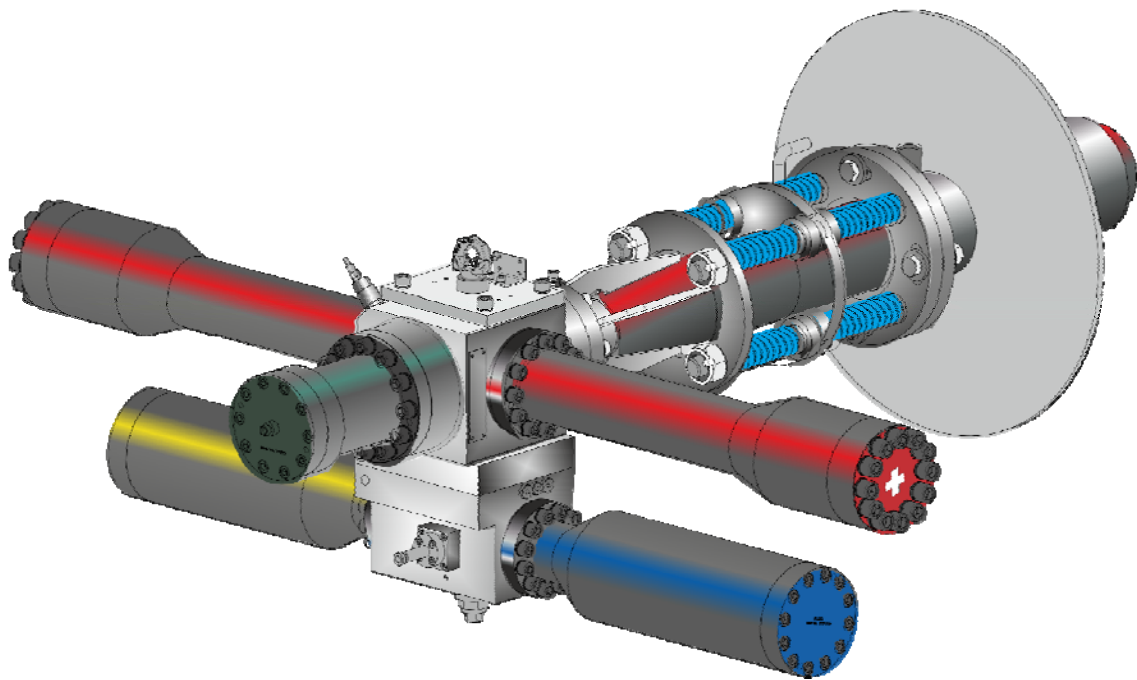


Brand new phase of Soot Blower



Shock Pulse Soot Blower

for highly efficient boiler cleaning

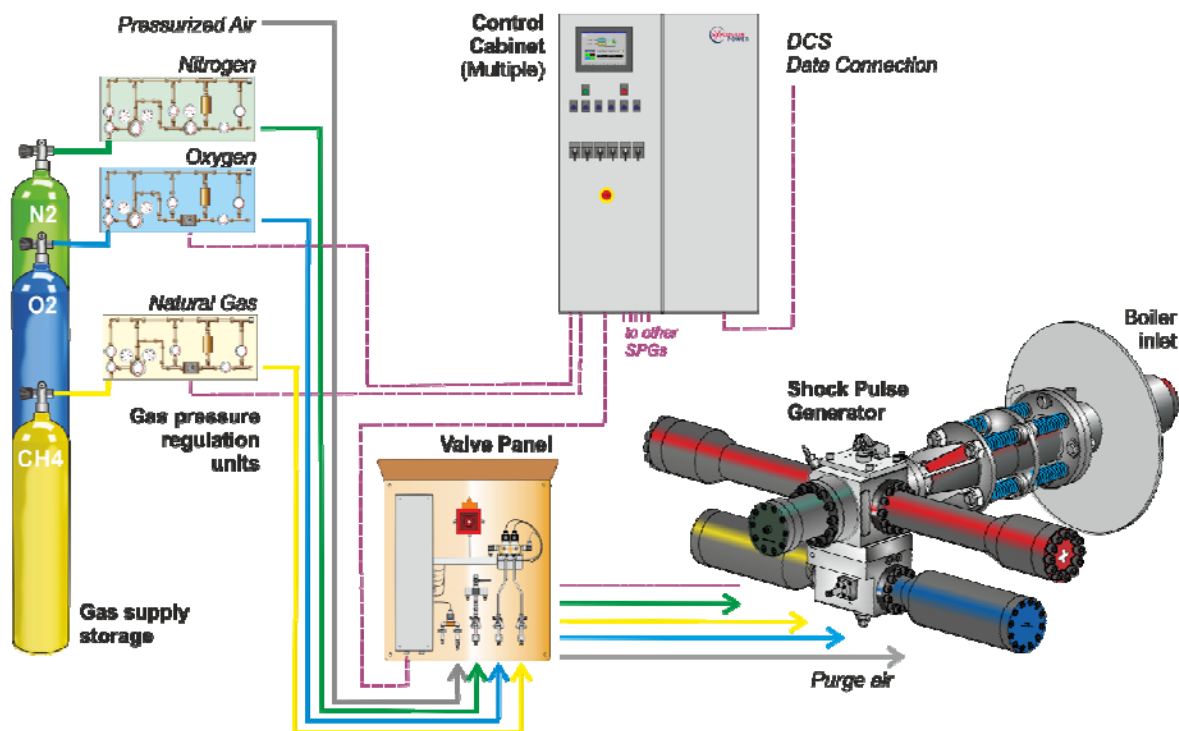


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Shock Pulse Soot Blower Characteristics

- Most efficient online boiler cleaning system with automated shock pulses
- Pressure wave injection at supersonic speed results in outstanding cleaning efficiency
- Standardized and modular type series
- Compact robust design for simple installation at the boiler
- Installation with or without spring package
- Higher boiler efficiency
- Reduced standstill periods
- > 500 reference installations in over 20 countries

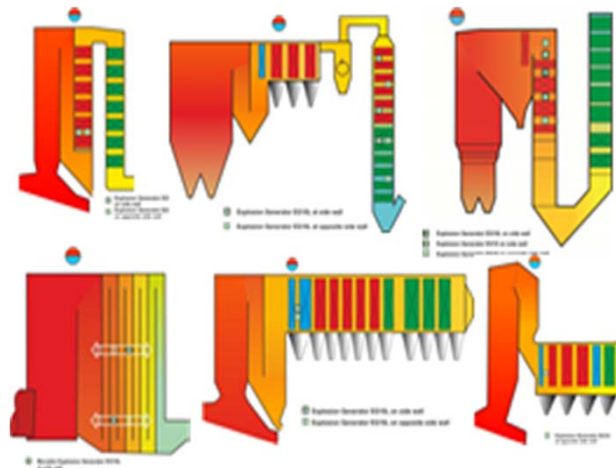
배치도



The Shock Pulse Generator is mounted at the outside of the boiler wall. The discharge nozzle is introduced into the boiler by means of a boiler nozzle or a boiler manhole. The supersonic shock pulse is discharged into the boiler, puts the gas volume and boiler surfaces into a short oscillation, causes an impact sound wave within the deposits and therefore cleans off the fouling in a very effective way.

Application Range

- Energy from waste plants
- Industrial boilers (biomass / various fuels)
- Sludge incineration plants
- Hazardous waste incineration plants
- Coal fired power plants
- Black liquor boilers
- Filters and spray absorbers
- Cement kilns
- Metallurgic factories
- Divers other applications



Function and cleaning effect

- Automated filling of dosing tanks with oxygen and natural gas /methane
- Mixing of gases in combustion chamber
- Ignition by activating glow plug
- Opening of piston, releasing discharge valve
- Injection of supersonic shock pulse into the boiler
- Short shock pulse cleans heating surfaces
- Removal of slag and fly ash deposits
- No danger of boiler damages

Certified Safety

- SPG-technology is designed according to highest safety requirements
- All SPG-System components incl. PLC certified
- Gases are only mixed in the pressure resistant generator
- Boiler remains closed, no opening of doors, manholes etc. during operation
- High sophisticated SPG-PLC system monitoring
- CE-certification and EU-Conformity declaration according pressure equipment directive PED, Category II /III
- No ASME code requirements
- No ATEX requirements except for gas storage and gas pressure reducing unit of natural gas (CH₄)
- Installation of gas distribution according to local regulation

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고수정공 주식회사
KOSU Precision & Industry Co.,Ltd.

주소 : 54002 전북 군산시 외항로 1072

전화 : '+82 63-466-8441

팩스 : '+82 63-466-8447

KOSU Precision & Industry Co., Ltd