

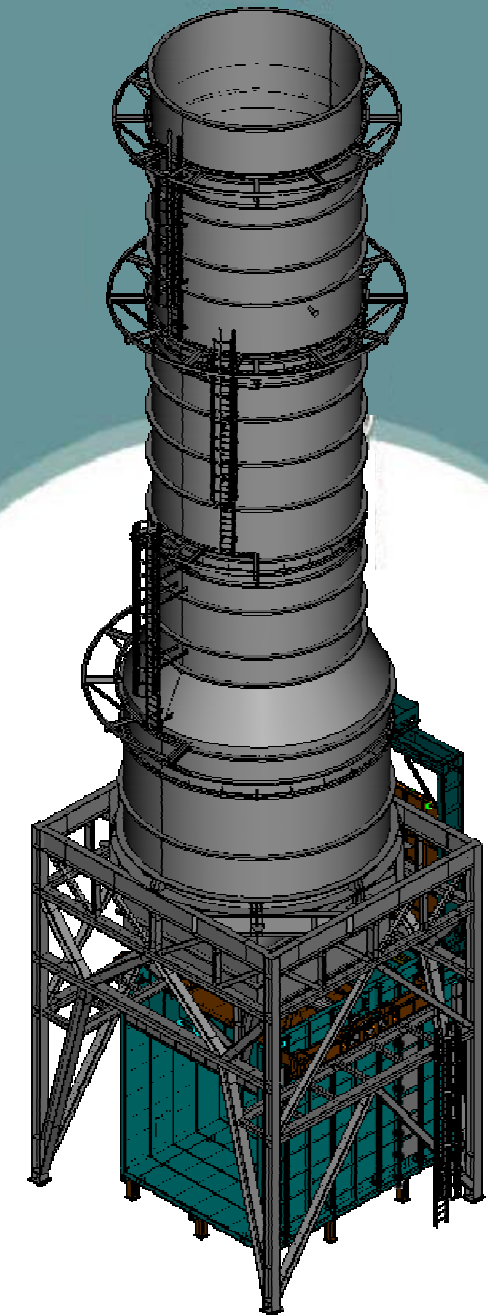
JK POWER CORPORATION

Damper & Renewable Energy
with JK Power

| Product Catalog |

JKPOWER

- DAMPER / BYPASS SYSTEM / RENEWABLE ENERGY SYSTEM
- FIELD SERVICE / QUALTY CONTROL / RESERCH & DEVELOPMENT



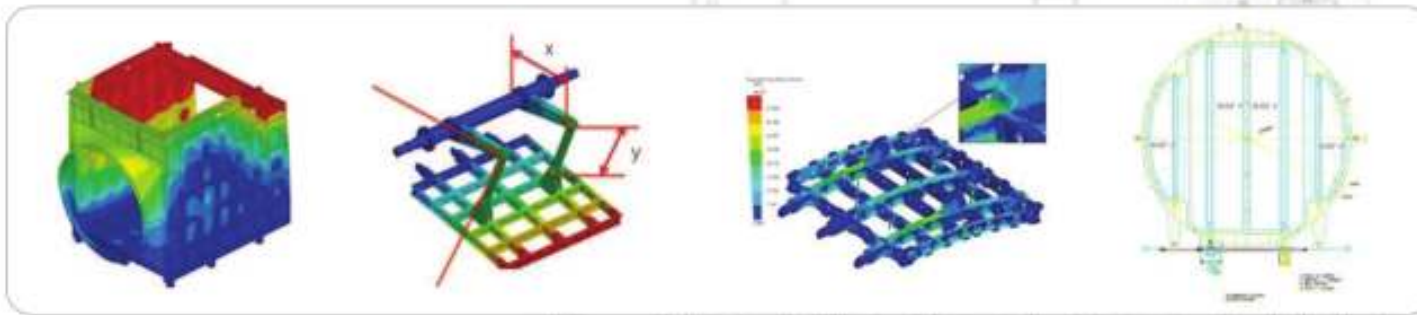
Catalog

Service

JK Power specializes in custom-engineered dampers used in critical application. JK Power offers full technical supports for customer's needs.

JK Power's services are :

- **System Analysis**
We provide analysis of structure, heat and flow of damper
- **Calculation**
We provide calculation of pressure drop and torque
- **Design & Drawing**
We provide design and drawings of damper according to customer's need





Catalog

Service

- 3D Modeling



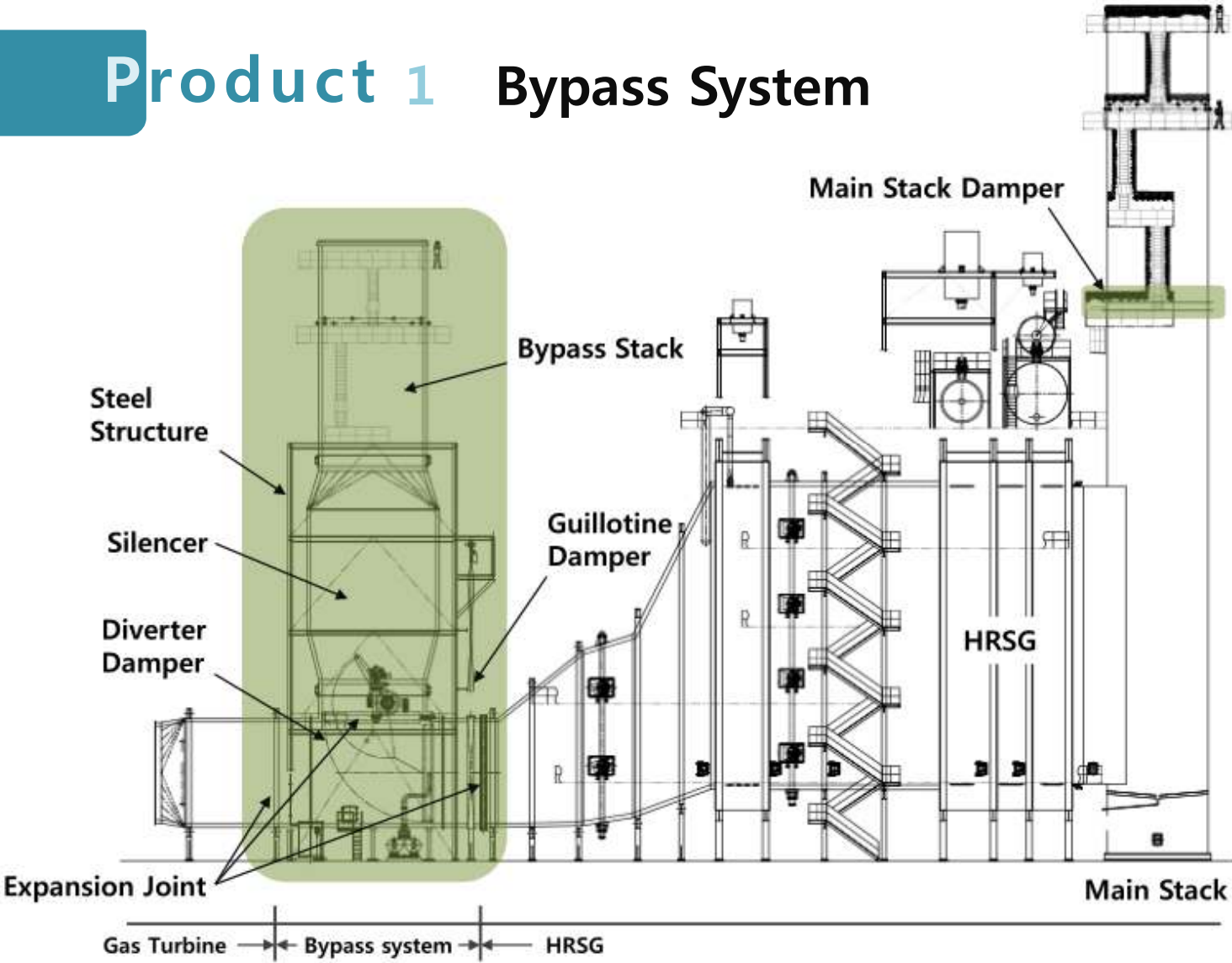
- Field Service

We provide technique about installation, maintenance, repair, training and so on.

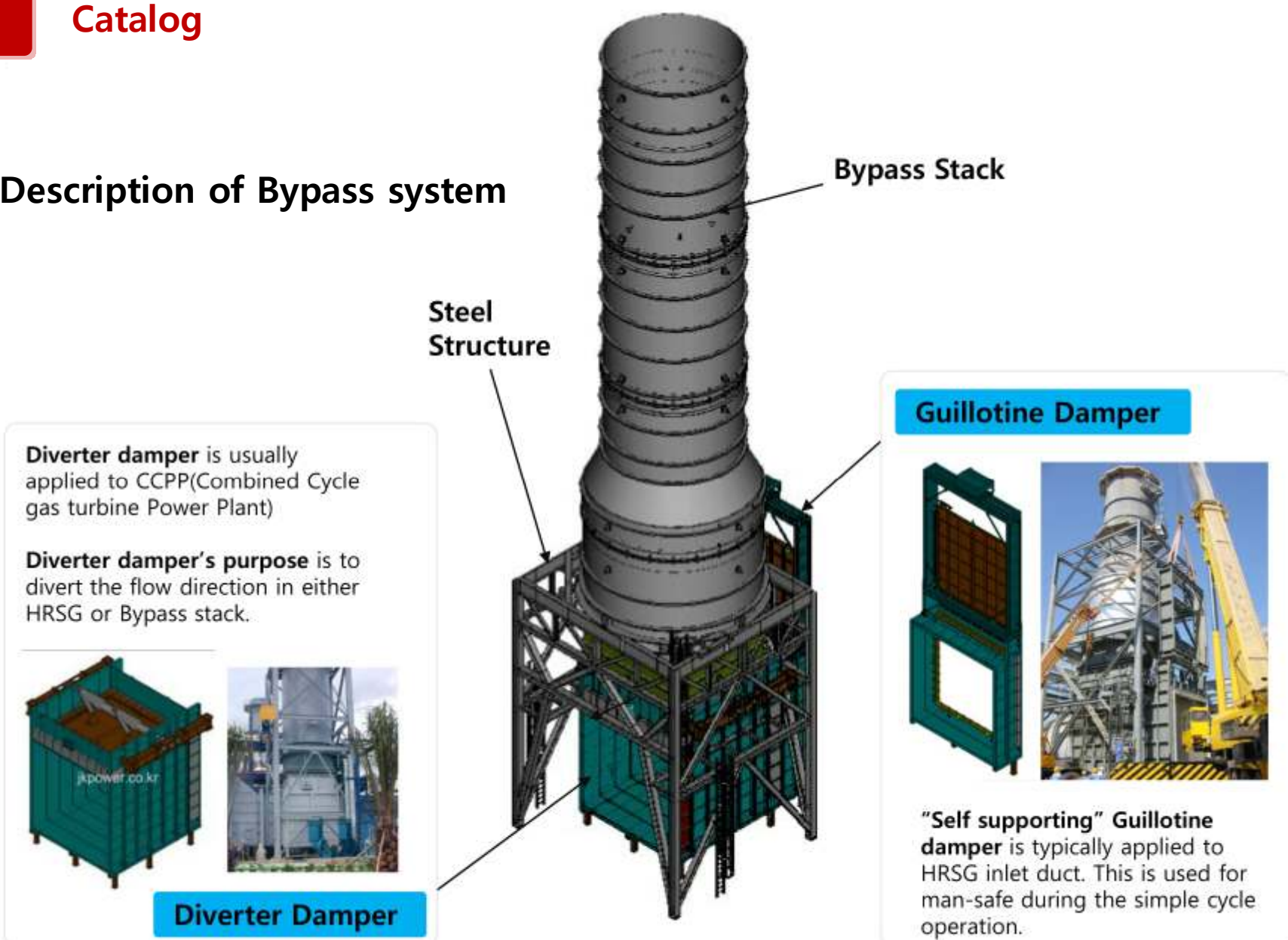




Product 1 Bypass System



■ Description of Bypass system



Diverter damper is usually applied to CCPP(Combined Cycle gas turbine Power Plant)

Diverter damper's purpose is to divert the flow direction in either HRSG or Bypass stack.



Diverter Damper

Guillotine Damper



"Self supporting" Guillotine damper is typically applied to HRSG inlet duct. This is used for man-safe during the simple cycle operation.

Catalog

■ Silencer _ Bypass System

Silencer is required to reduce noise, which is generated at gas exhausting stacks. Silencer can be normally provided as vertical types inside of bypass stack.



Section view of vertical type

Product 2 Diverter Damper

JK Power's damper products are used in HRSG, Boiler, FGD and so on.

Diverter damper is usually applied to CCPP(Combined Cycle gas turbine Power Plant)

Diverter damper's purpose is to divert the flow direction in either HRSG or Bypass stack.



▪ Main Parts



Casing, Blade and Toggle



HPU



Seal air Fan



DPS&DPI



Control Panel

Product 3 Guillotine Damper

Guillotine damper is usually applied to heavy duty and gas tight shut-off duct. Pressure drop is low across the wide-open damper



This "Self supporting" Guillotine is typically applied to HRSG inlet duct. This is used for man-safe during the simple cycle operation.



This "Zero leakage" Guillotine is typically used to protect FD fan from hot gas.



This "Low leakage" Guillotine is typically applied to Mill inlet.



This Slide gate is typically applied to Ash Cooler line.



Product 4 Main Stack Damper

Main stack damper is usually applied to HRSG stack



Two Blades Stack Damper



Four Blades Stack Damper

This is mainly used to prevent cooling down of HRSG during shut down.

In addition, this damper is used for other usages as below :



Rain protection and drainage during shut down.



Pressure relief mechanism in case of system overpressure



Product 5 Louver Damper

Multi louver damper is widely applied to the equipments and industrial plants. This damper is mainly used for fast isolation and control of gas flow.

In addition, this damper is used for other usages as below :

- Short opening and closing time
- Low torque and power

↓ Control with Hyd. actuator



↓ Shut-off with Pn. actuator



↓ Control with Pn. actuator



↓ Shut-off with El. actuator

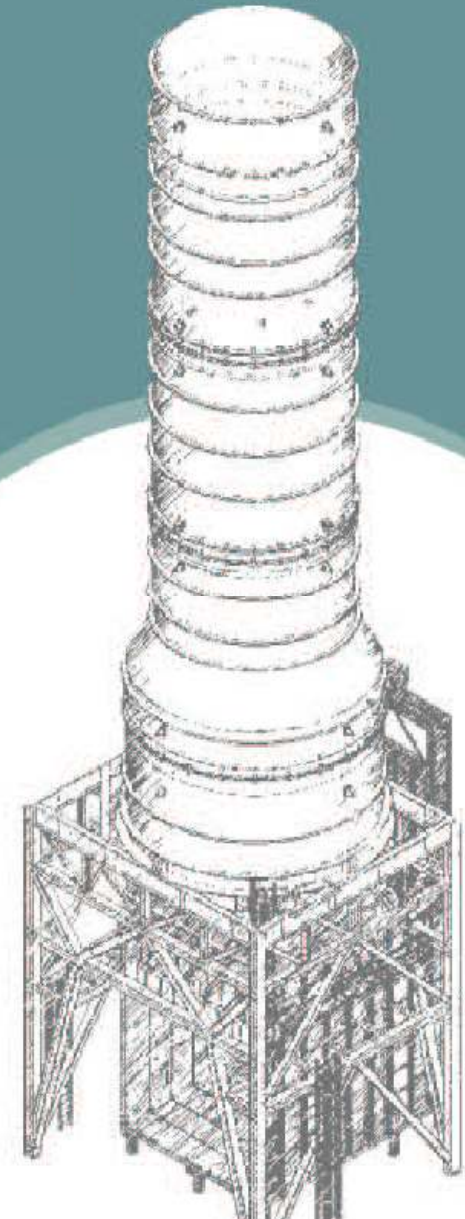


Double louver damper and TANDEM are generally applied to FGD.



Your Reliable Partner, JK Power

Thank you



- DAMPERS / BYPASS SYSTEM / RENEWABLE ENERGY SYSTEM
- FIELD SERVICE / QUALITY CONTROL / RESEARCH & DEVELOPMENT