



M-System's PRP Series has been adopted for a garbage incineration plant that does not have air supply equipment.

2018-11

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Rev. 0

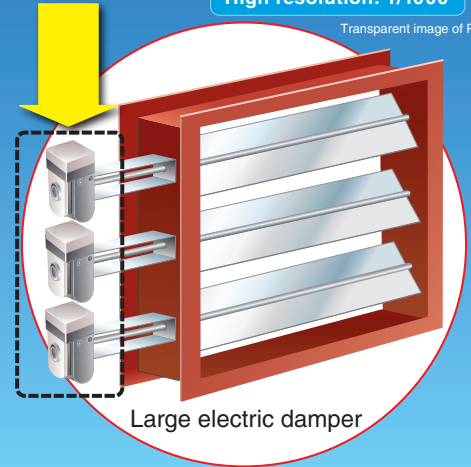
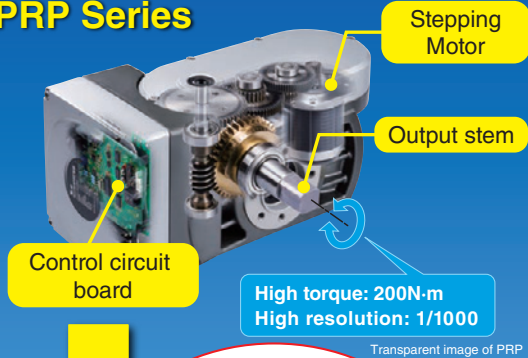
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Garbage incineration plant

When air supply equipment is not required, labor and equipment costs decrease!!



Rotary Motion Electric Actuator PRP Series



Compact equipment

By driving each damper blade individually with the PRP Series, the entire equipment becomes compact in size.



Energy saving

As no air supply equipment is required, energy savings are significant.



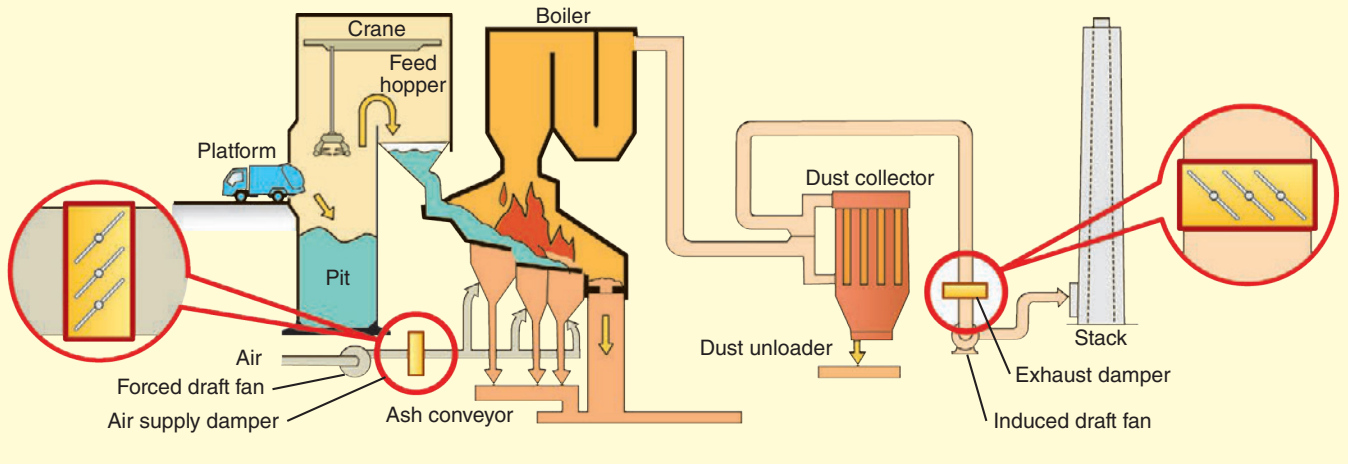
Simple Wiring

Wiring is simple and easy.



PRP Series in Electrical Damper Control

Incineration system diagram



PNEUMATIC

Control signal 4-20 mA DC

Pressure reducing valve with filter

I/P positioner

20 - 100 kPa

Pressure reducing valve with filter

Pneumatic positioner

Stop valve

Air header

Drain

Pneumatic actuator

Large pneumatic damper

Power source (high or low voltage)

Air Dryer

Compressor

The devices eliminated by the adoption of electrical control valves

ELECTRIC

Electric Actuator PRP Series

Control signal 4-20 mA DC or Open network (*1)

Power source

Large electric damper

Equipment cost 1/5 (*2)!

Energy consumption 1/10 (*2)!

When the control loop is in a steady state, only standby power is consumed. (*3)

A compressor requires installation costs along with labor-consuming maintenance! It costs a lot in electricity!

When the control loop is in a steady state, only standby power is consumed. (*3)

(*1) Contact M-System. (*2) The data surveyed by M-System. (*3) Max. power consumption: Approx. 180 VA Standby power: Approx. 18 VA

Rotary Motion Electric Actuator PRP Series

- High Resolution of 1/1000
- High-speed opening and closing: 8.5 s/90°
- Ensures flexible opening and closing speed setting.



Max. torque: 100 N·m
Model: PRP-0



Max. torque: 200 N·m
Model: PRP-1

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