



## **Technology Advantage**

Heat boiler feedwater, increase the boiler efficiency;
Heat the soot after the absorber

Recover 5% heat

Low inlet soot temperature, lo High EP Efficiency

Low inlet temperature of absorbater

In case of ESP retrofit, low the dust concentration or increase purity of gypsum.

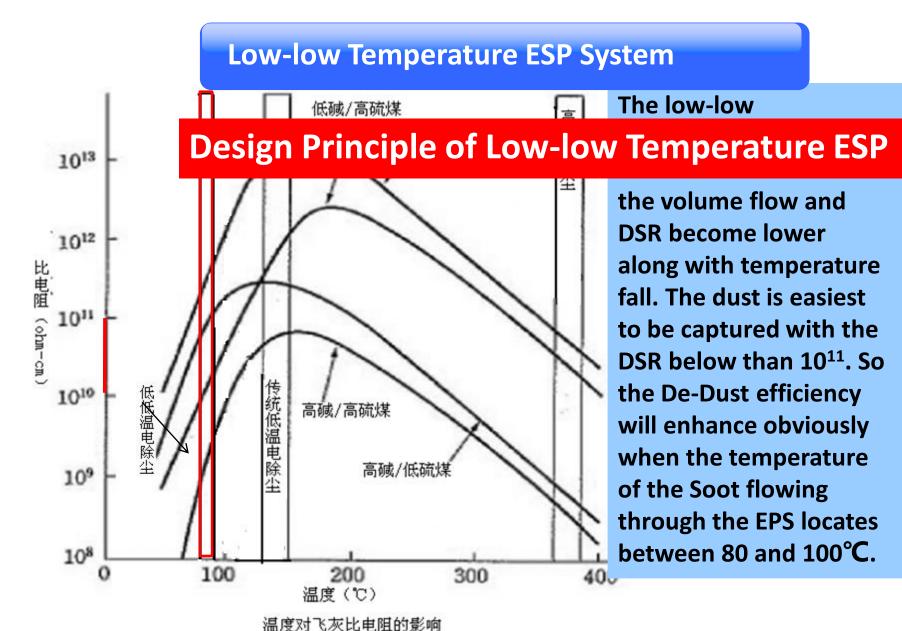
The body of ESP can be miniaturized.

Condensation H<sub>2</sub>SO<sub>4</sub> under dew large alkalinity material in the dust.

Decrease FGD feedwater

Prevent the body of heat recovery and equipments of downstream from corrosion.







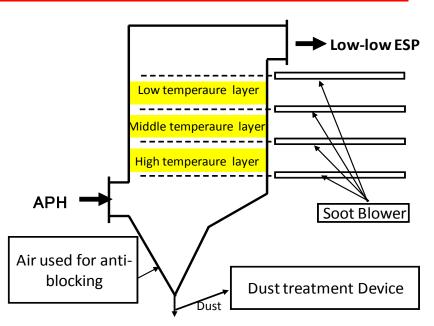
### The Structure Diagram of Heat Recovery Inside-Vertical Flow

CS in LTL

CS in MTL

CS in

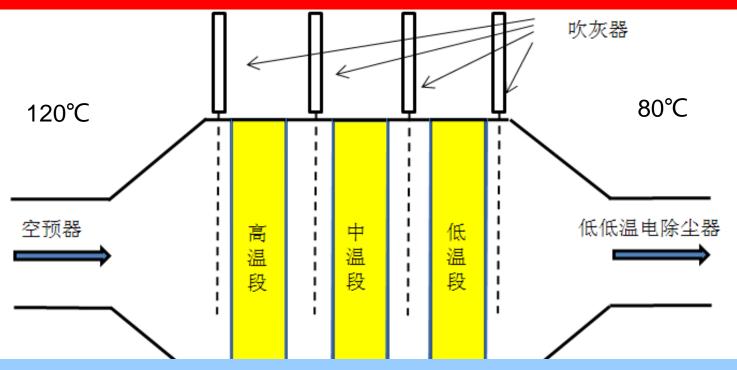




Vertical heat recovery is better for SO<sub>3</sub> removal as lower flow and longer contact time of dust and soot. The ash hopper is set to remove the most big particulate dust.



### The Structure Diagram of Heat Recovery Inside-Horizontal Flow



The horizontal flow is suitable for retrofit, smaller room and don't need ash hopper.



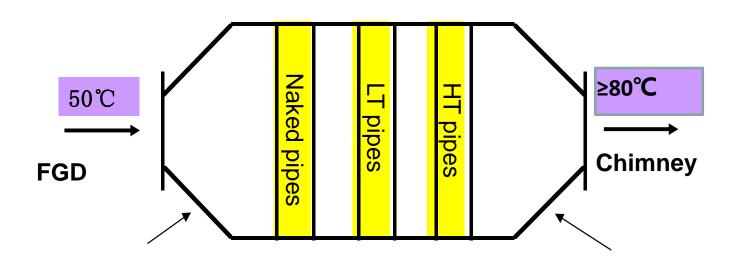
# **The Object Picture of Heat Recovery**







# The Structure Diagram of Re-heat Inside



CS + flake lining

Stainless Steel H<sub>2</sub>SO<sub>4</sub> Resistance Steel

CS

H<sub>2</sub>SO<sub>4</sub> Resistance Steel

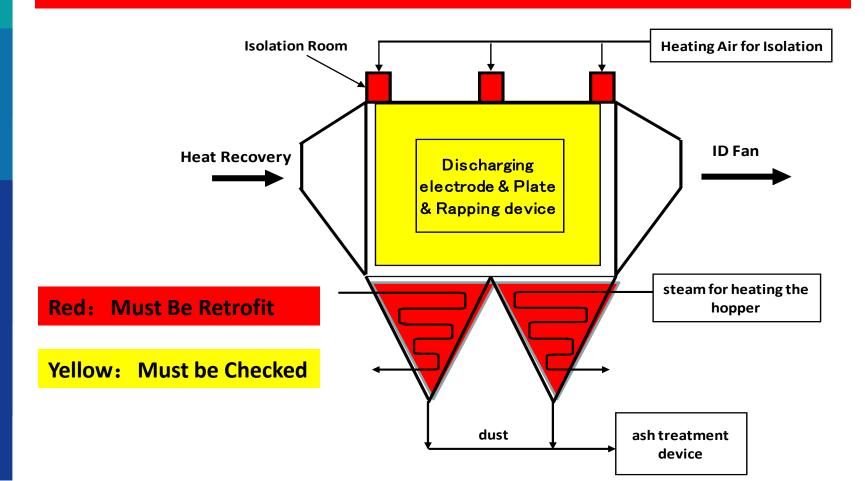


# **The Object Picture of Re-heat**



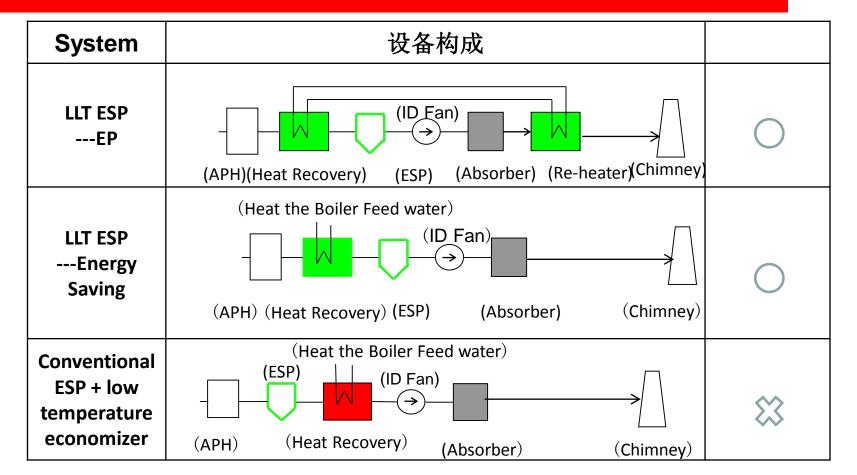


# The Structure Diagram of Low-low ESP



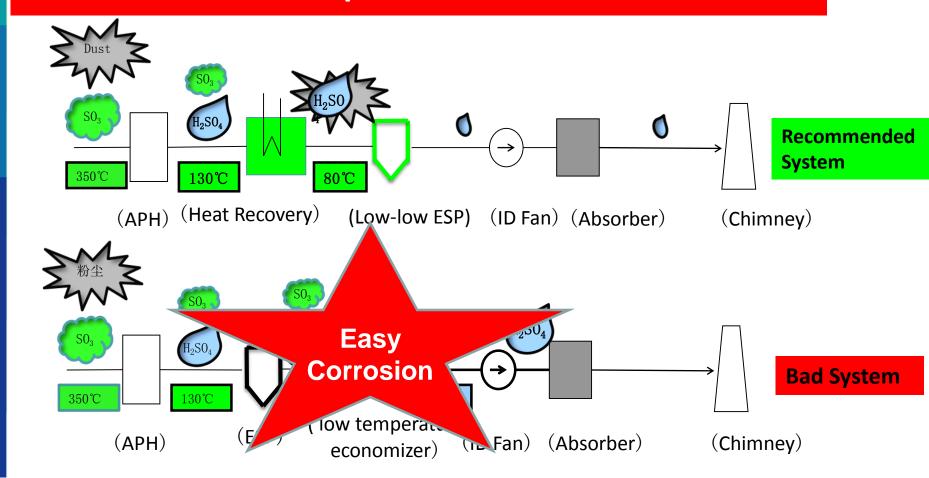


# The Structure Diagram of Low-low ESP





### **Anti-Corrosion Principle of Low-low ESP**





### **Recommended Material for Heat-Exchanger**

	Heat Recovery		Re-Heat	
Housing	CS		CS +Flake Lining	
Pipe for heat exchanger	High- temperature Section	CS	High- temperature Section	CS
	Low- temperature Section		Low- temperature Section	ND Steel
			Naked pipe	Stainless Steel