



## **One System, Many Benefits**

### **Perfect Comfort Setting for Each and Every Guest**

A simple 2-pipe fan coil system can cool and heat with cold water supply. However, it cannot cool when the water supply is hot. Replacing a traditional fan-coil system with PAFMAC technology allows heating with cold water supply, and cooling with hot water supply. This is possible because the PAFMAC unit contains both a fan-coil and heat pump in the same unit.

### **No Disruption to Normal Business Operations**

Renovation Without Business Disruption!

Renovation projects can proceed room-by-room, allowing your facility to remain open for business during the construction period. Depending on your needs, renovation can proceed one room, one floor, one vertical, or one entire building at a time. For floor units, renovations to replace existing fan-coil units can be completed in just one day. For ceiling units, renovation can be completed in three days.

Depending on your needs, you can choose to renovate the entire hotel, or just a part of it at a time.

### **Easy Installation and Maintenance**

Repair, installation and maintenance can be completed on one unit at a time, minimizing disruption to operations.

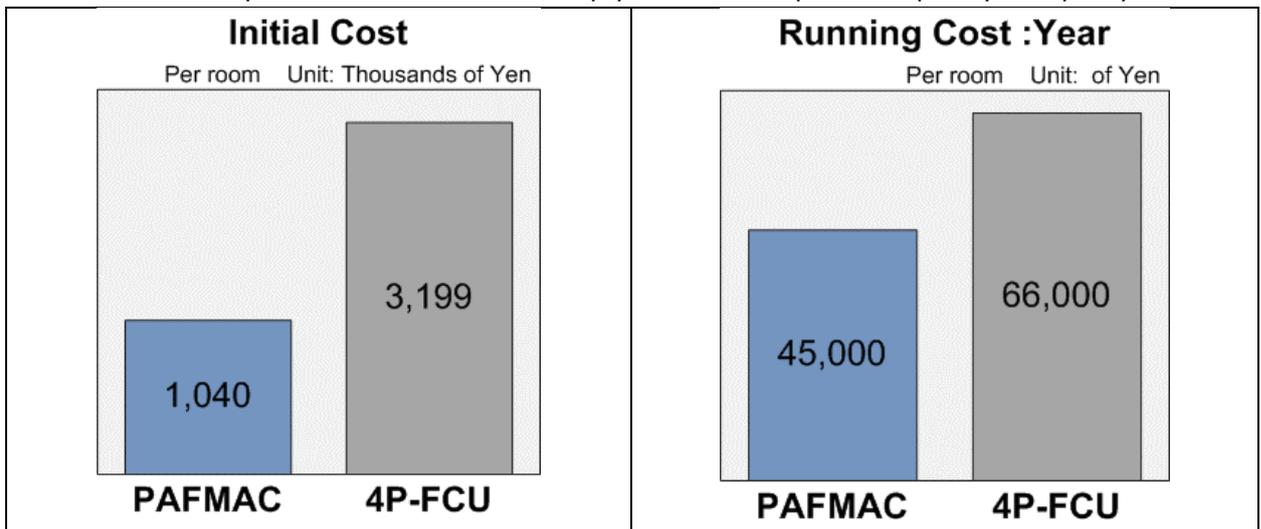
### **Energy Savings When Heating and Cooling at the Same Time**

PAFMAC's design means that cooling operations increase the water temperature by 10 °F, and heating operations lower the water temperature by 10 °F. When cooling and heating are combined, the system is able to save energy by capturing the heat produced during operation of the system. For example, when the building's load is 50% cooling / 50% heating, there is no need to generate additional heat, thereby saving energy.



## Retrofit Existing System at Lowest Possible Cost

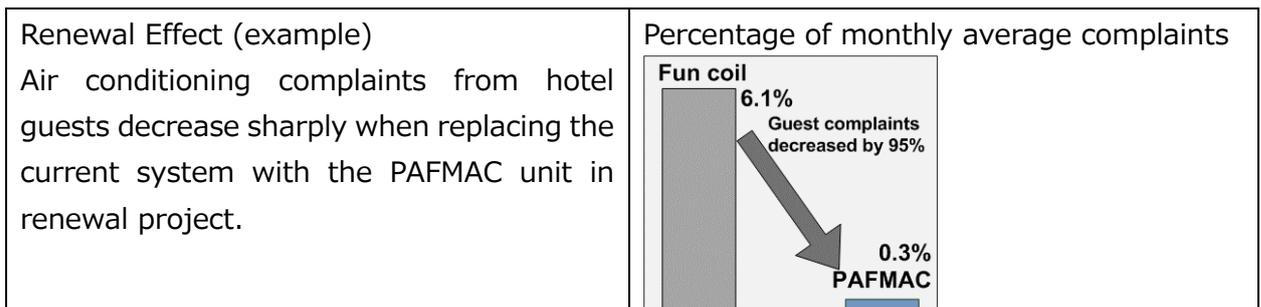
PAFMAC can be operated much more cheaply than a comparable quality 4-Pipe system.



4P-FCU is expensive due to the expansion of two pipes and the replacement and new construction of the chilled / heat source system.

## "PAFMAC Technology Leads to Dramatic Drop in Customer Complaints

One hotel client saw guest complaints about room temperature drop by 95% after installing PAFMAC units.



Renewal Effect (example)  
Air conditioning complaints from hotel guests decrease sharply when replacing the current system with the PAFMAC unit in renewal project.

The number of air conditioning complaints for one year.

	Rooms	Jan.	Feb.	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
FCU	672	49	46	63	31	38	47	22	34	15	38	56	60	499
PAFMAC	231	2	-	-	2	-	-	-	1	-	-	1	3	9