

Water Cooled Series

Heating or Cooling

WY series — PQHY-P Y(S)LM-A

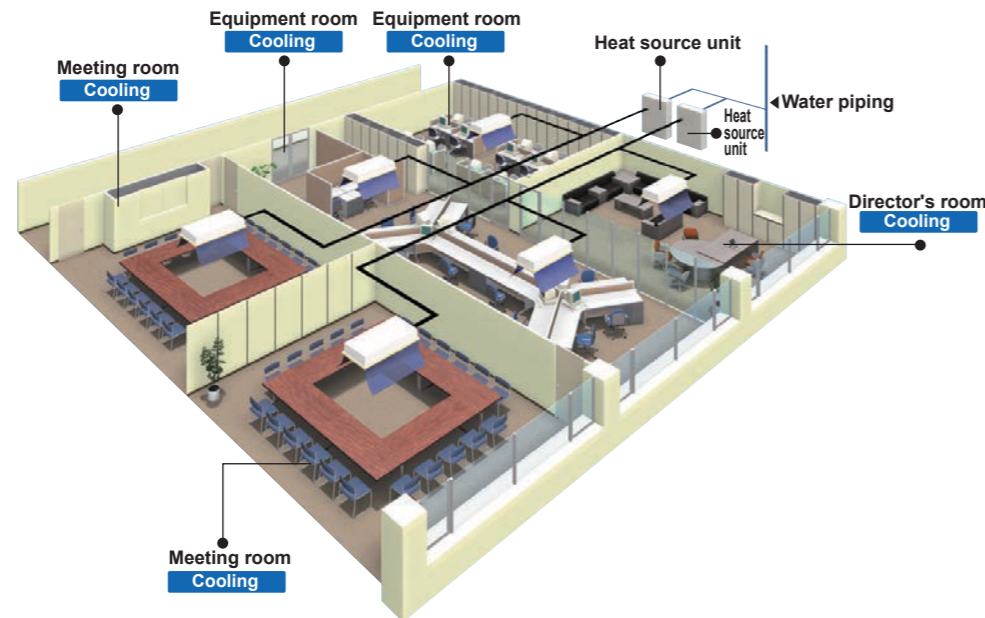
WR2 series — PQRV-P Y(S)LM-A

[WY (Heat Pump) series]

Water energy source system allows switching between heating and cooling.

The WY-Series has all the benefits of the Y-Series using water source condensing units. Condensing units can be situated indoors allowing greater design flexibility and no limitation on building size. Depending on capacity, up to 15 to 50 indoor units can be connected to a single condensing unit with individualised and/or centralised control. The two-pipe system allows all CITY MULTI solutions to switch between heating and cooling while maintaining a constant indoor temperature.

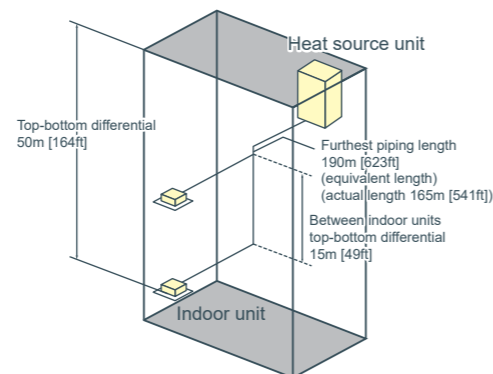
Installation image (WY series)



System Pipe Lengths

[P200-P900 (WY series)]

Refrigerant Piping Lengths	Maximum meters [Feet]
Total length	300-500 [984-1640]
Maximum allowable length	165 (190 equivalent) [541 (623)]
Farthest indoor from first branch	40 [131]
Vertical differentials between units	Maximum meters [Feet]
Indoor/heat source (heat source higher)	50 [164]
Indoor/heat source (heat source lower)	40 [131]
Indoor/indoor	15 [49]



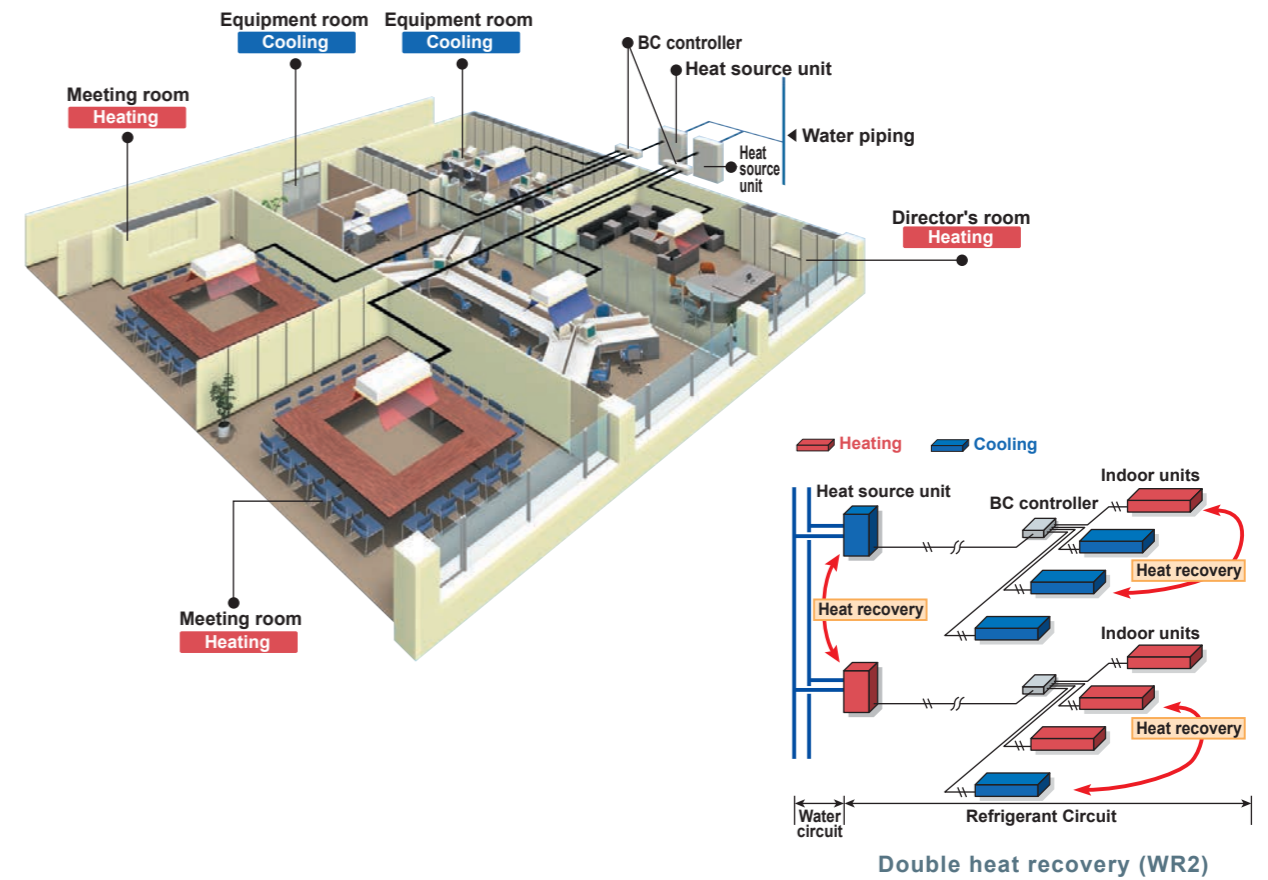
[WR2 (Heat Recovery) series]

Advanced water heat source unit enjoying the benefits of R2 series

The CITY MULTI WR2 series provides all of the advantages of the R2 series with the added advantages of a water heat source system, making it suitable for a wider range of applications in high rises, frigid climates, coastal areas, etc.

Not only does it produce heat recovery from the indoor units on the same 2-pipe refrigerant circuit, it also produces heat recovery via the water circuit between heat source units, making it a very economical system.

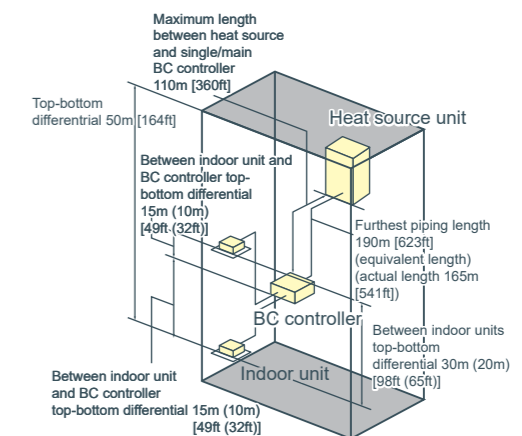
Installation image (WR2 series)



System Pipe Lengths

[P200-P900 (WR2 series)]

Refrigerant Piping Lengths	Maximum meters [Feet]
Total length	550-750 [1,804-2,460]
Maximum allowable length	165 (190 equivalent) [541 (623)]
Maximum length between heat source and single/main BC controller	110 [360]*1
*Maximum total length is dependent upon the distance between the outdoor unit and the single/main BC Controller.	
Maximum length between single/main BC controller and indoor	40 [131]**2
Vertical differentials between units	Maximum meters [Feet]
Indoor/heat source (heat source higher)	50 [164]
Indoor/heat source (heat source lower)	40 [131]
Indoor/BC controller (single/main)	15 (10) [49 (32)]*3
Indoor/indoor	30 (20) [98 (65)]*4
Main BC Controller/Sub BC Controller	15 (10) [49 (32)]*5



*1 Details refer to the DATA BOOK.
 *2 Farthest indoor from BC controller can exceed 40m [131ft.] till 60m [197ft.] if no Indoor sized P200, P250 connected. Details refer to the DATA BOOK.
 *3 Distance of Indoor sized P200, P250 from BC must be less than 10m [32ft.] , if any.
 *4 Distance of Indoor sized P200, P250 from IU must be less than 20m [65ft.] , if any.
 *5 Distance between BC (Main) and BC (Sub) must be less than 10 m, if two BC (Sub) are installed or Indoor sized P200 and/or P250 is connected.