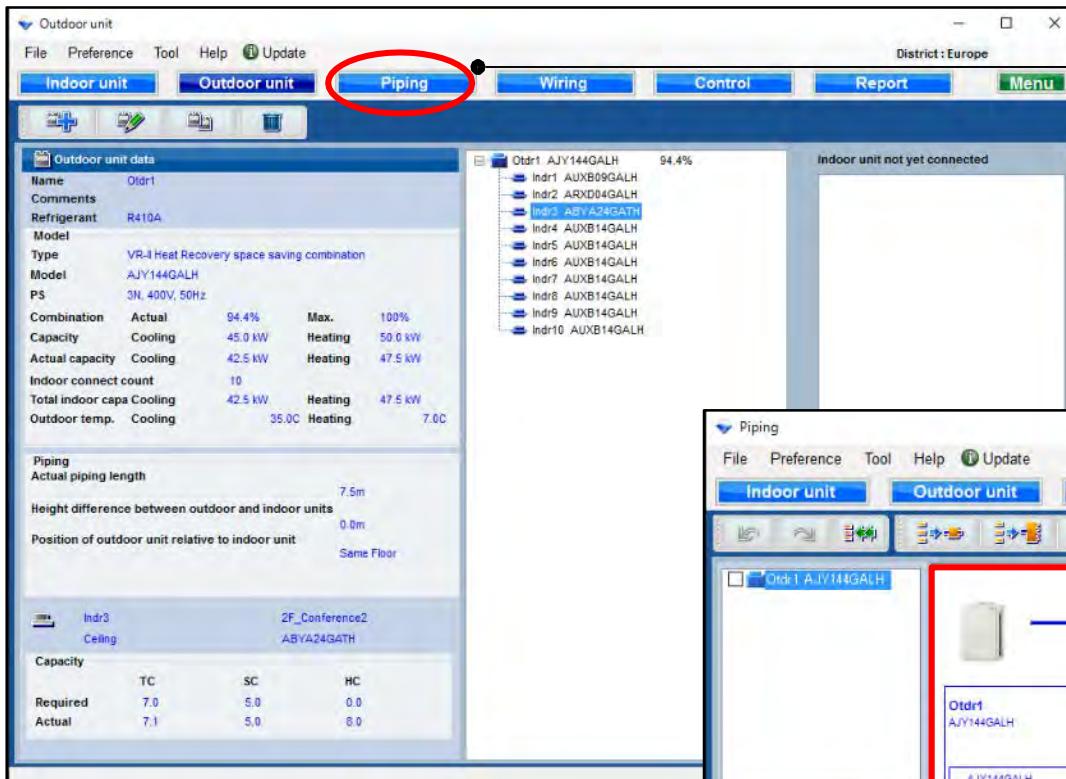


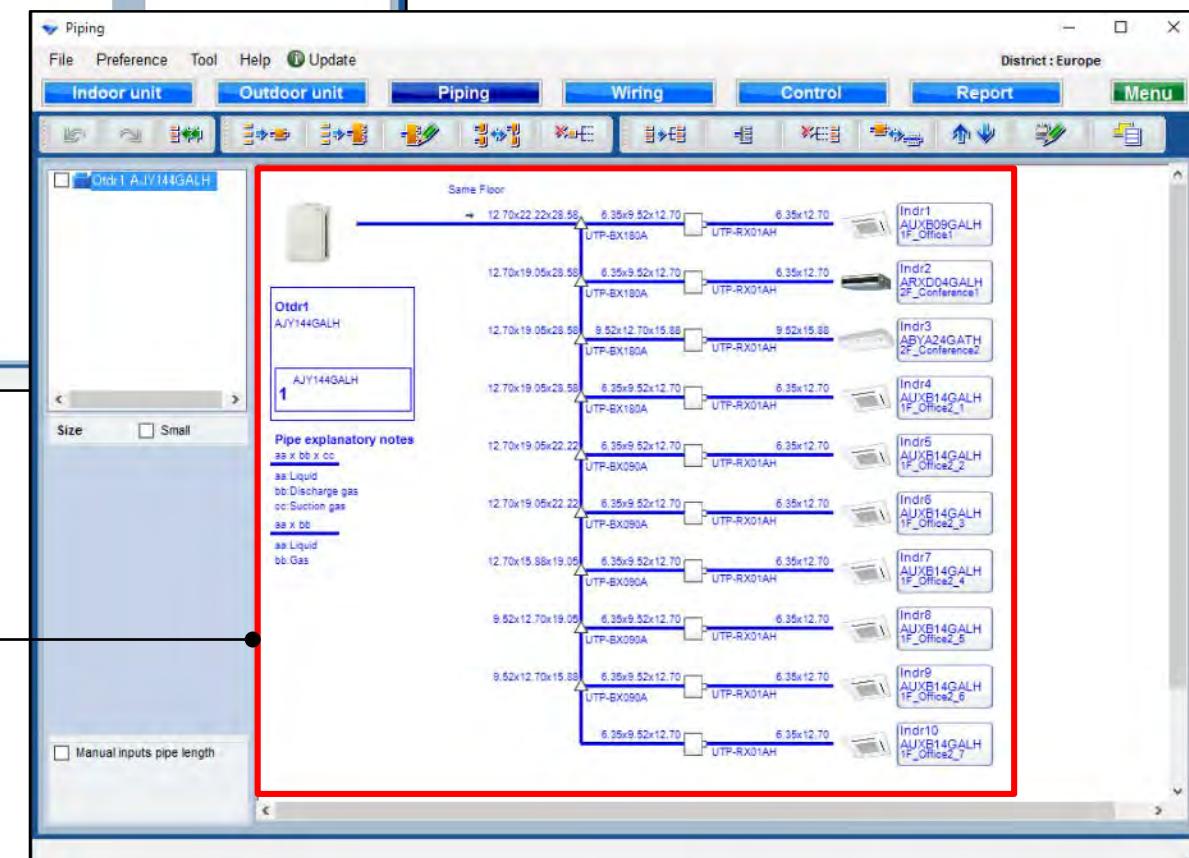
Piping settings

Design Simulator



Select “Piping”

Piping system diagram creation

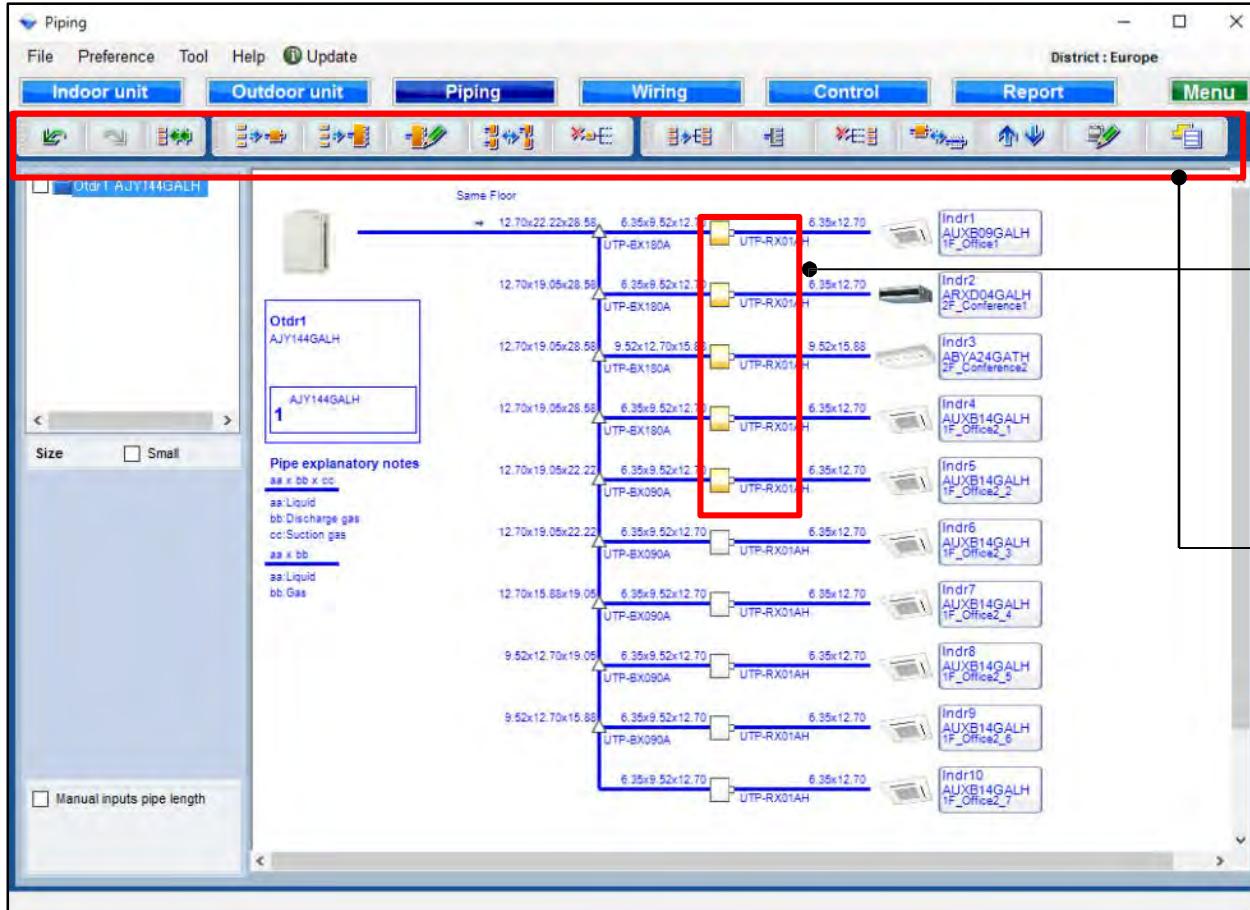


Pipe diameter , model names of outdoor unit, indoor units and connection units are displayed.

Piping settings

Design Simulator

For Heat Recovery



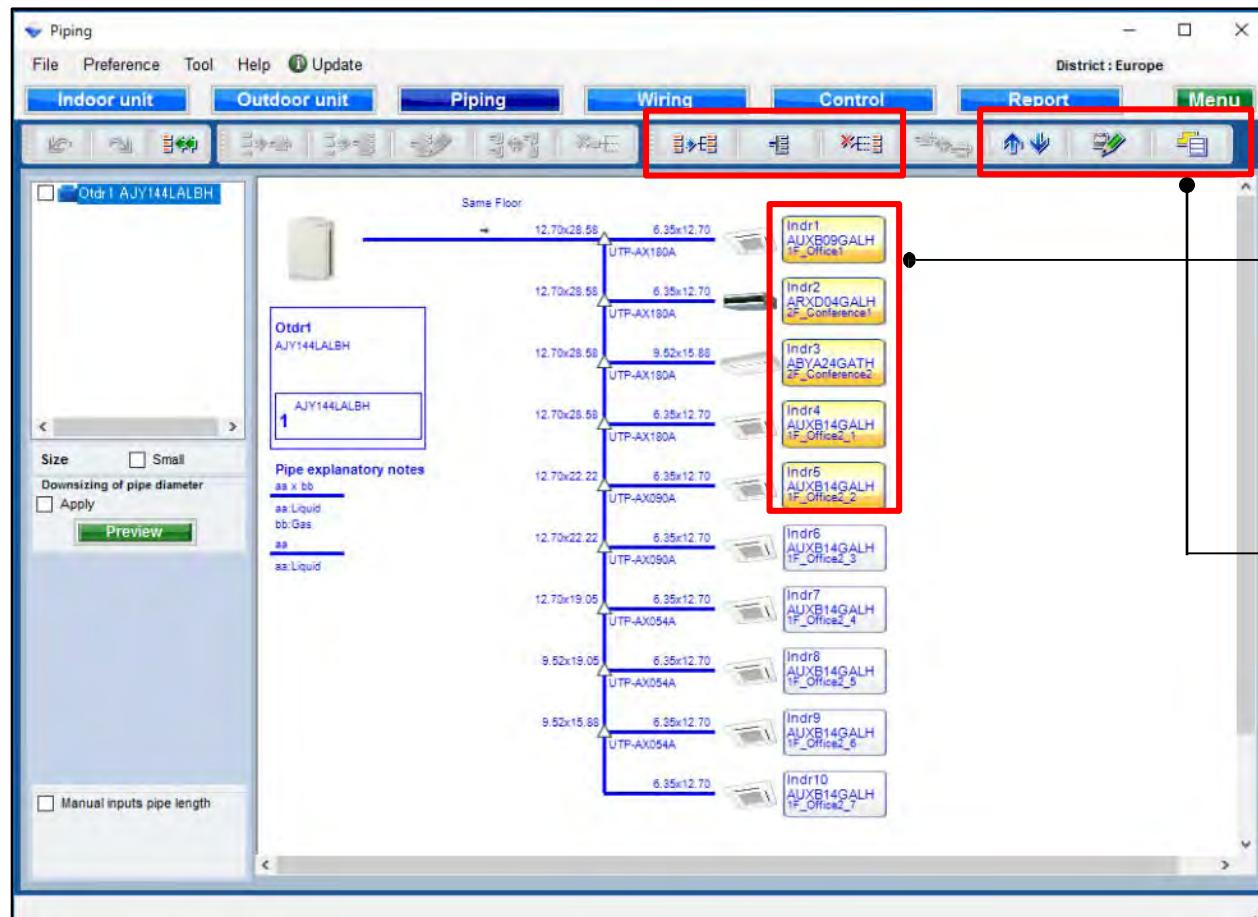
For Heat Recovery, select RB Unit.

Press each button to edit.

Piping settings

Design Simulator

For Heat Pump



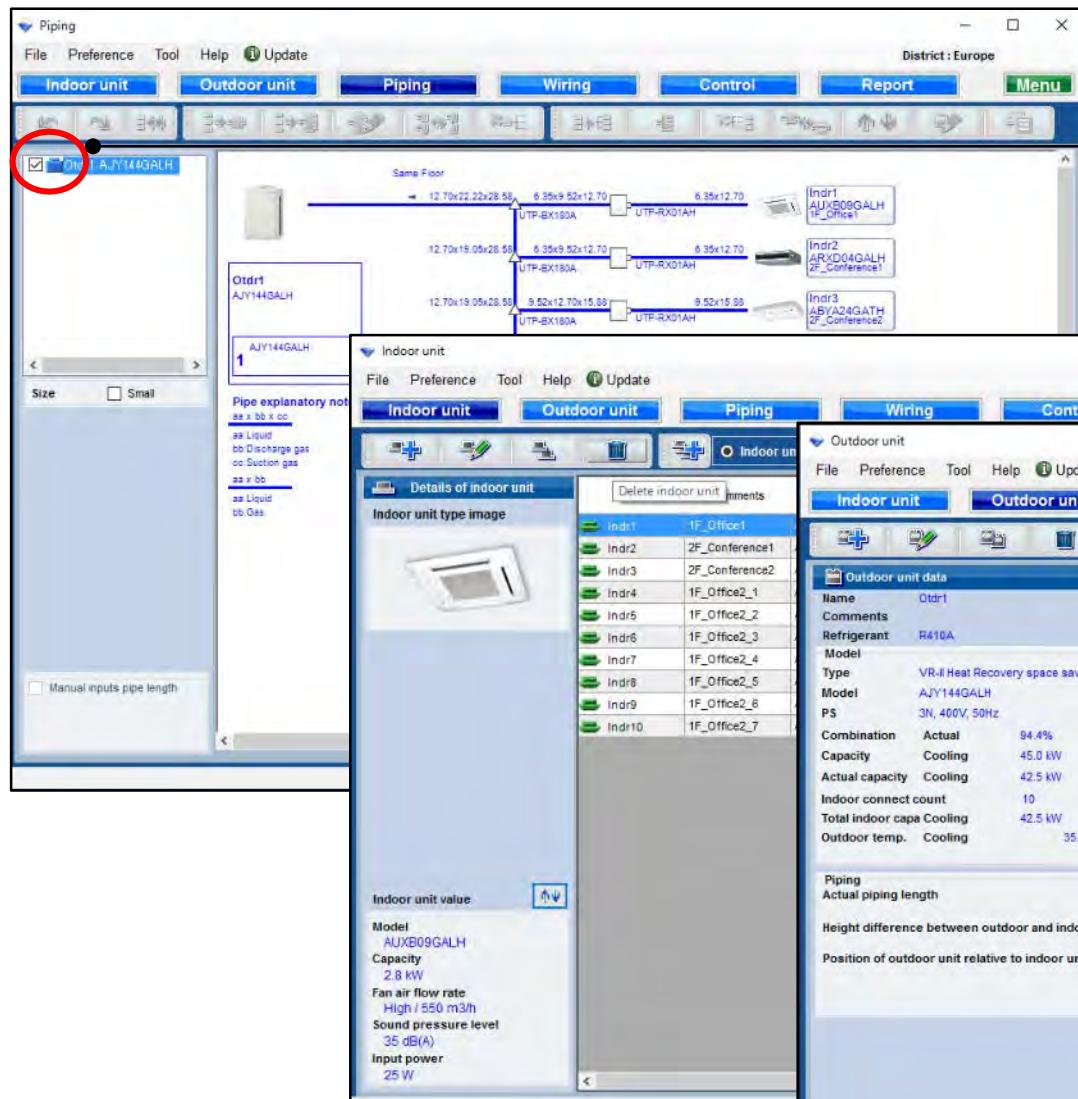
For Heat pump, select indoor unit.

Press each button to edit.
For Heat pump, functions are limited.

Piping settings

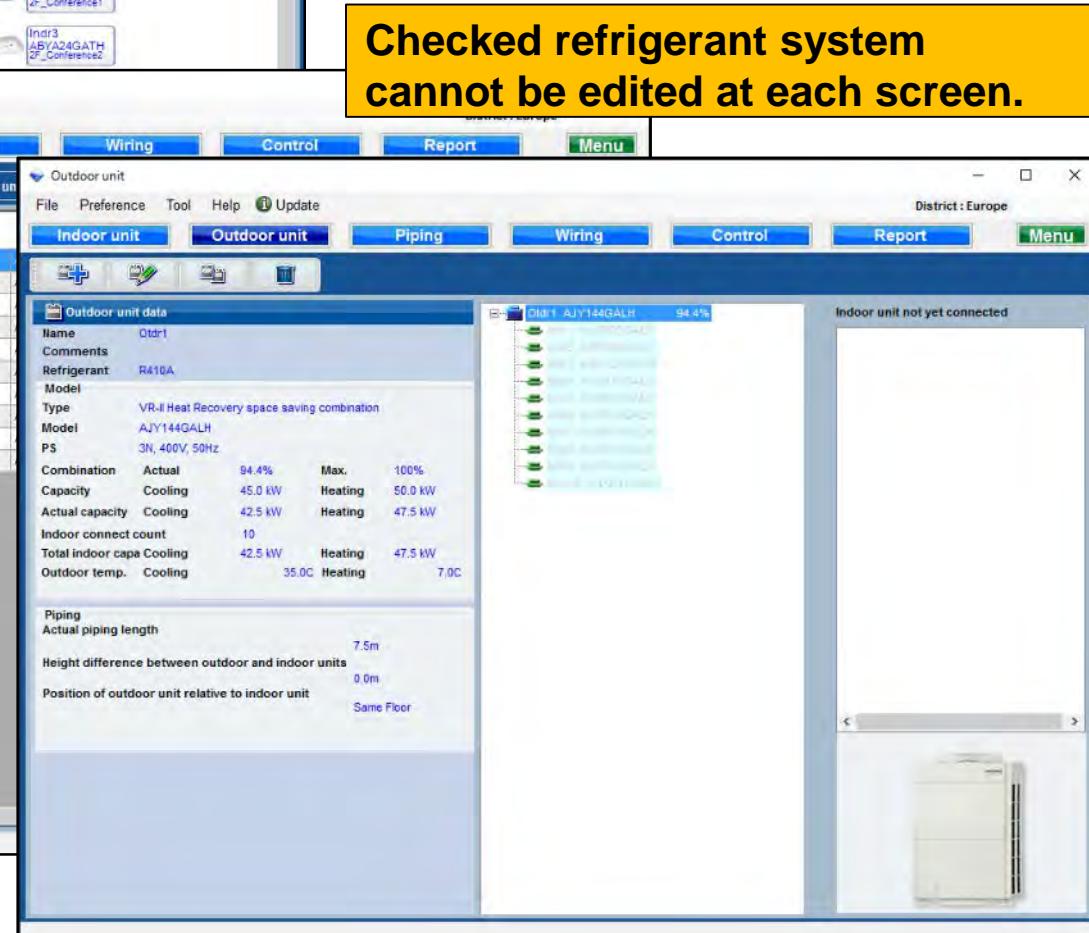
Design Simulator

Refrigerant system confirmation function



Check the refrigerant system.

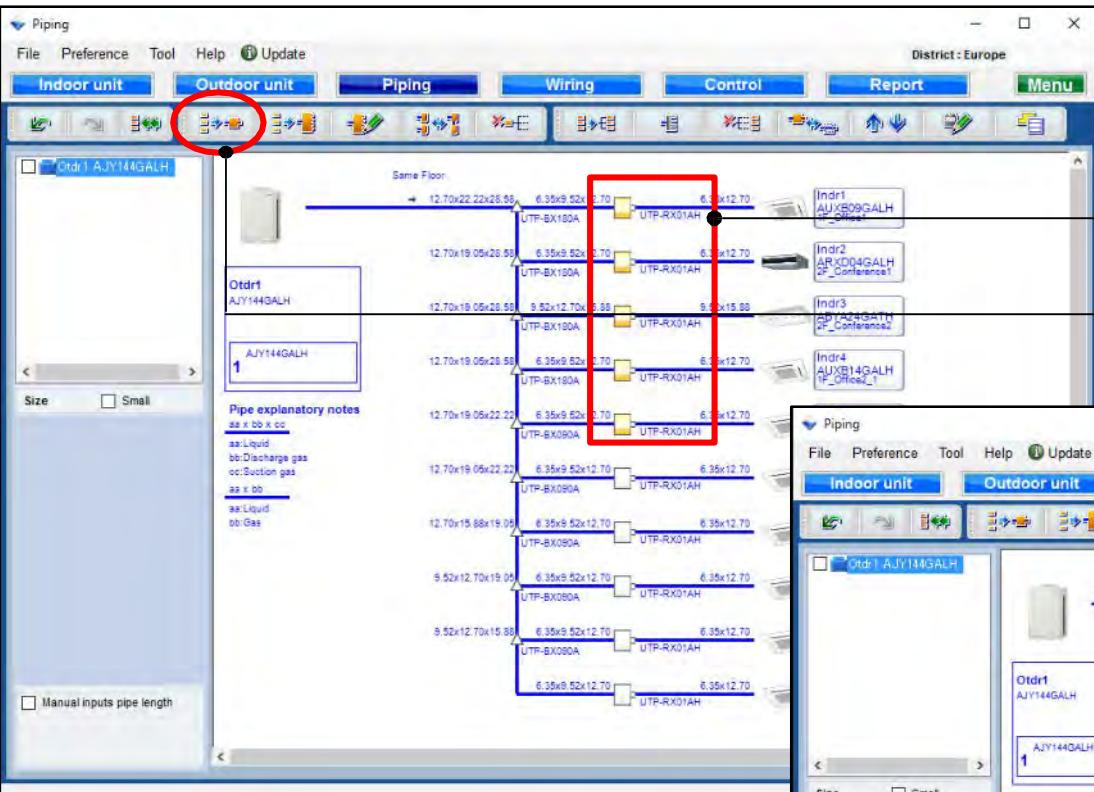
Checked refrigerant system
cannot be edited at each screen.



Piping settings

Design Simulator

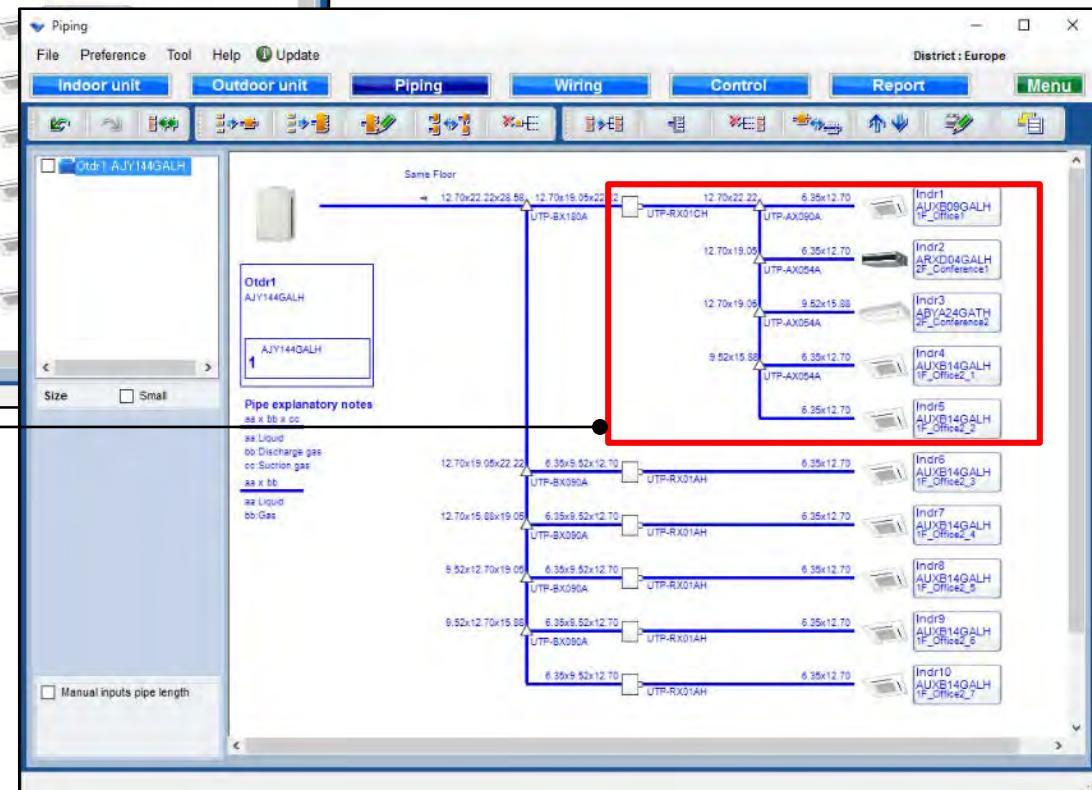
RB Single function



Select RB units

Select “RB Single”

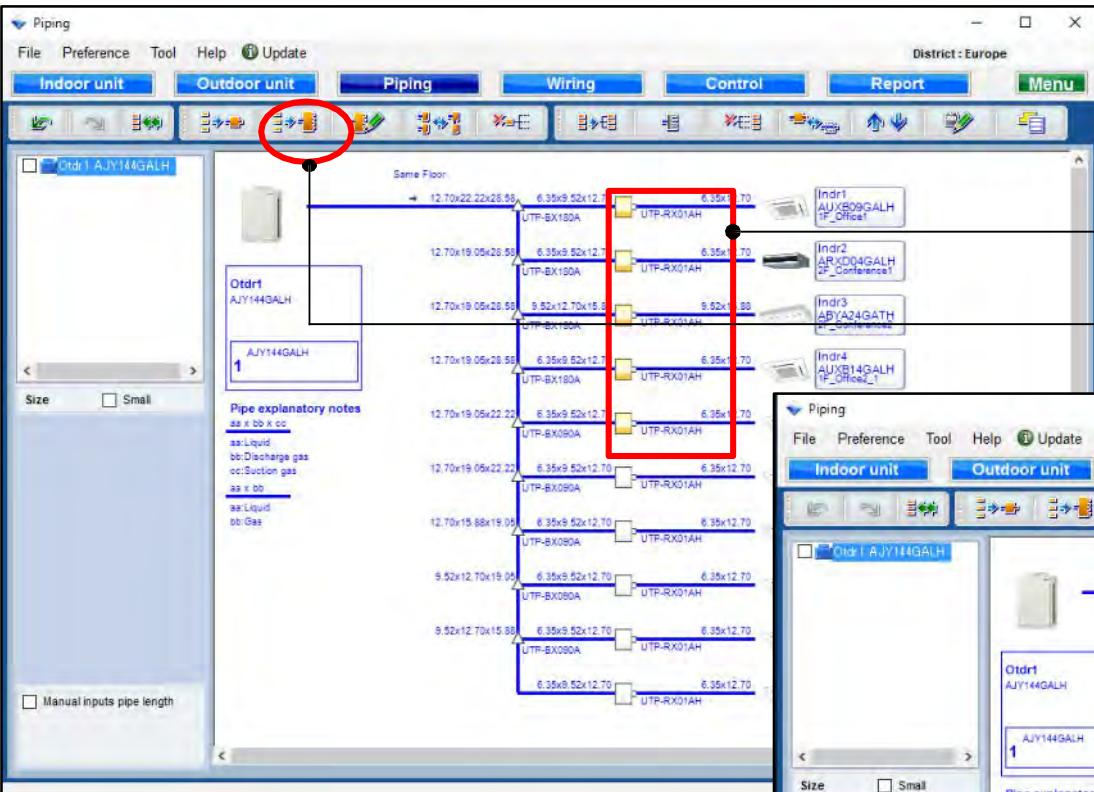
Combine indoor



Piping settings

Design Simulator

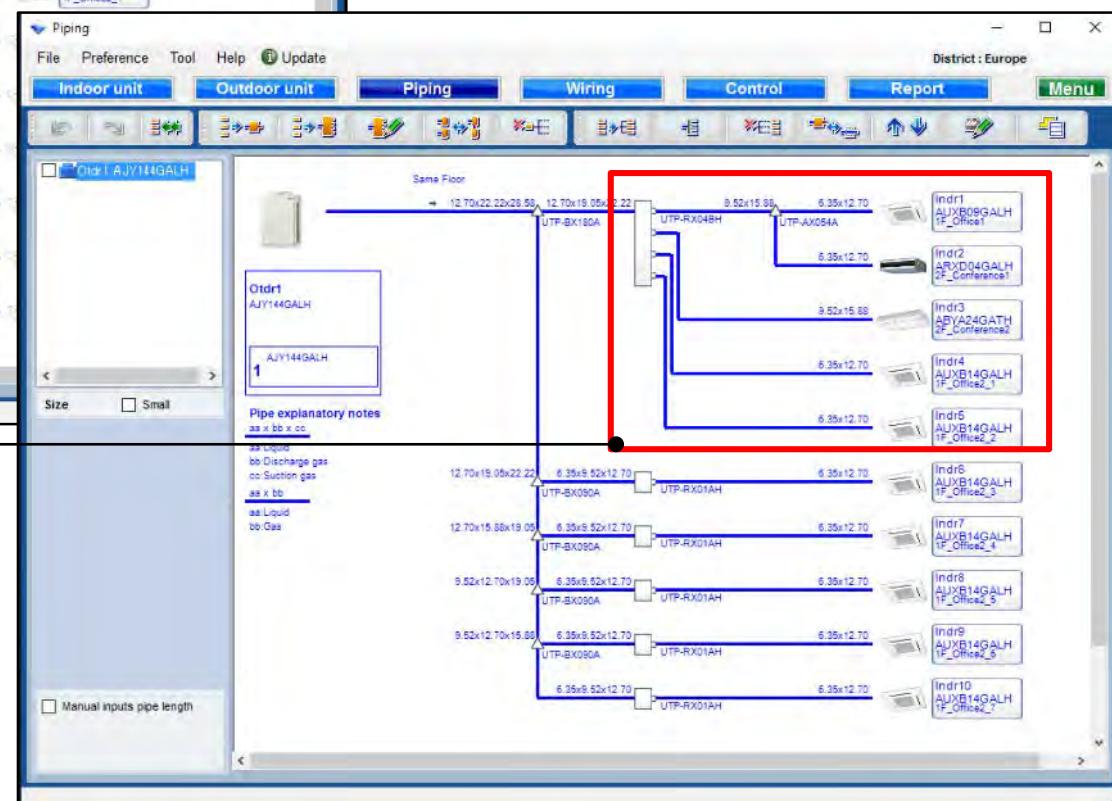
RB multi function



Select RB units

Select “RB multi”

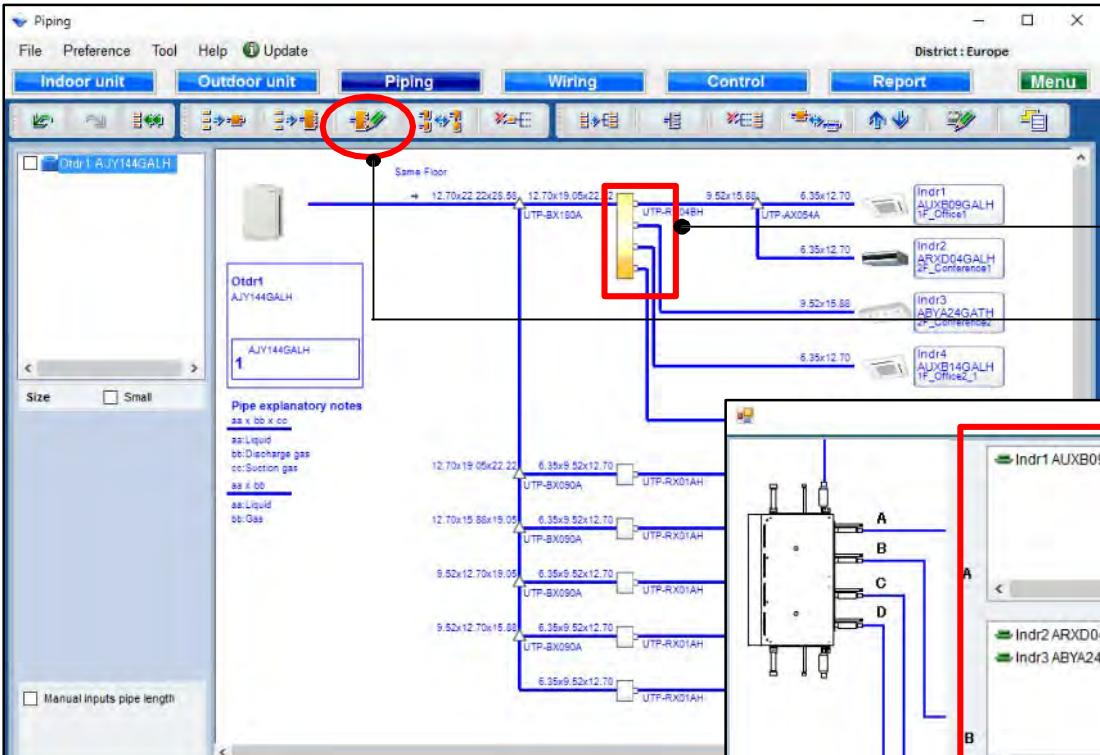
Combine indoor



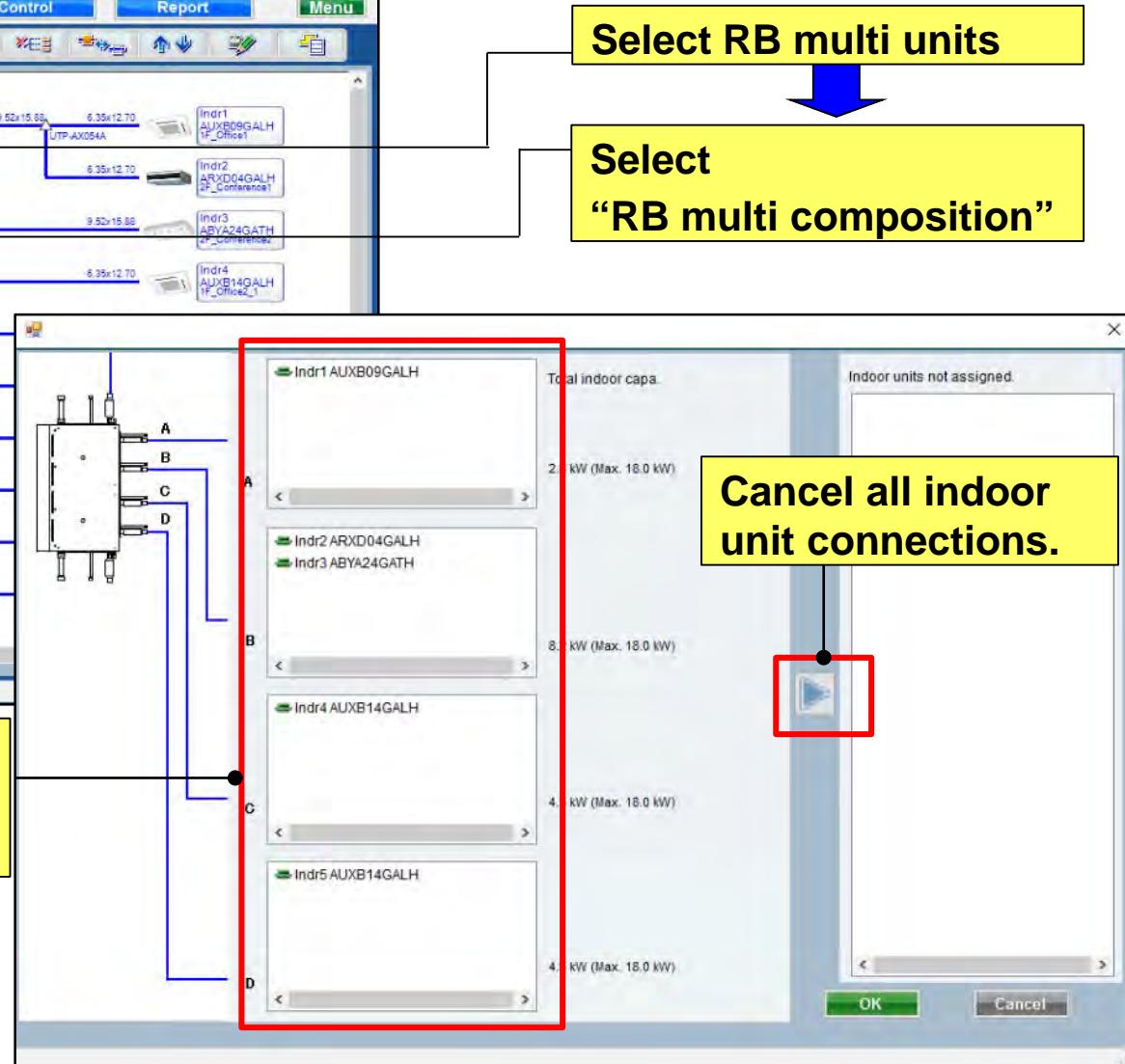
Piping settings

Design Simulator

RB multi composition function



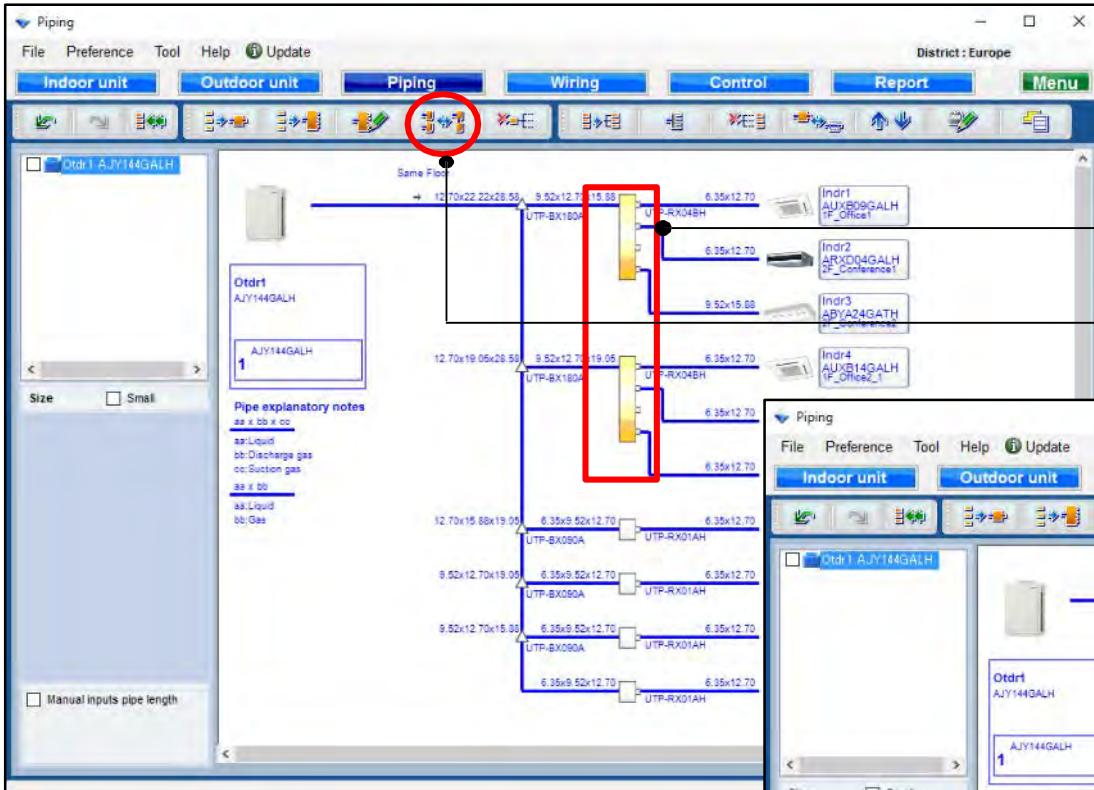
Indoor unit connection method when RB multi is used can be changed.



Piping settings

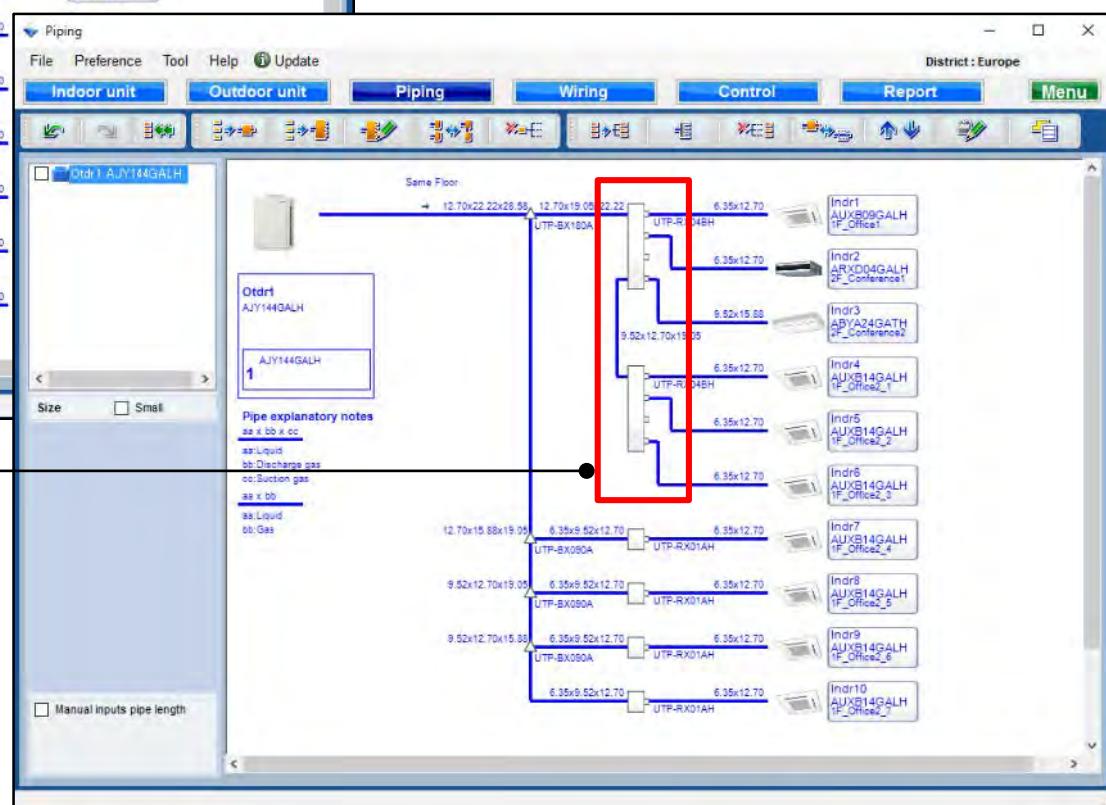
Design Simulator

Combine RB multi function



Select RB multi units

Select
“Combine RB multi”

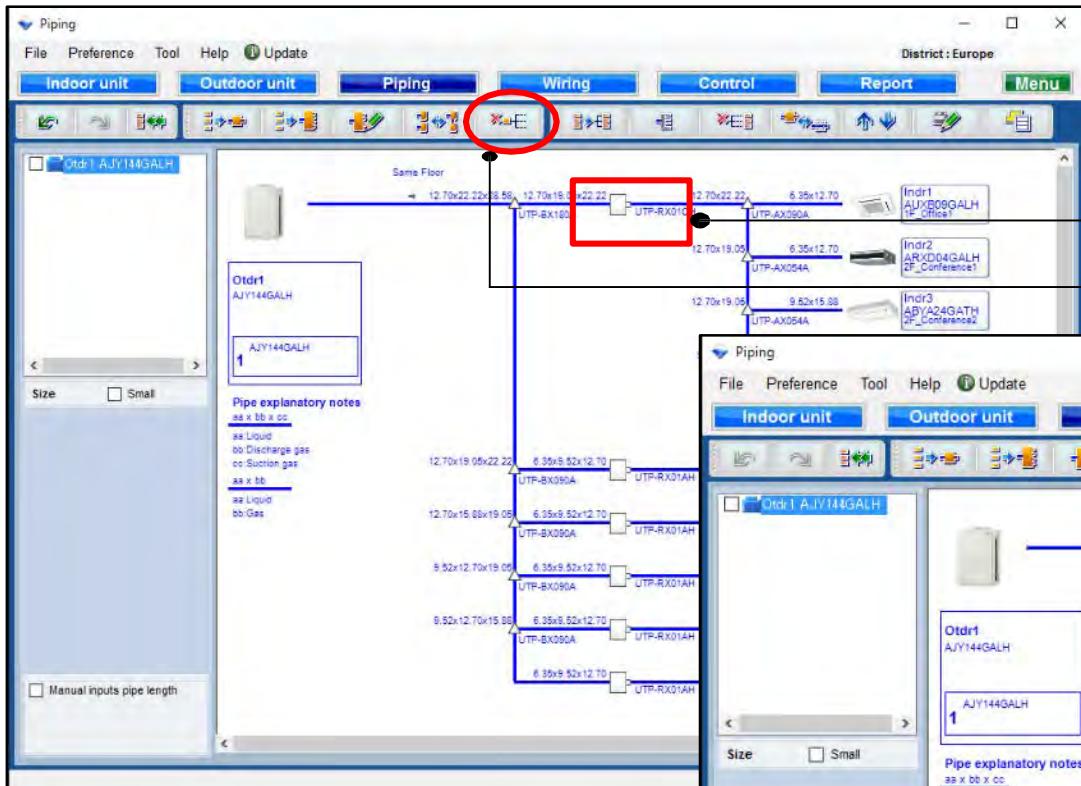


Combine 2 RB multi groups
into 1 group.

Piping settings

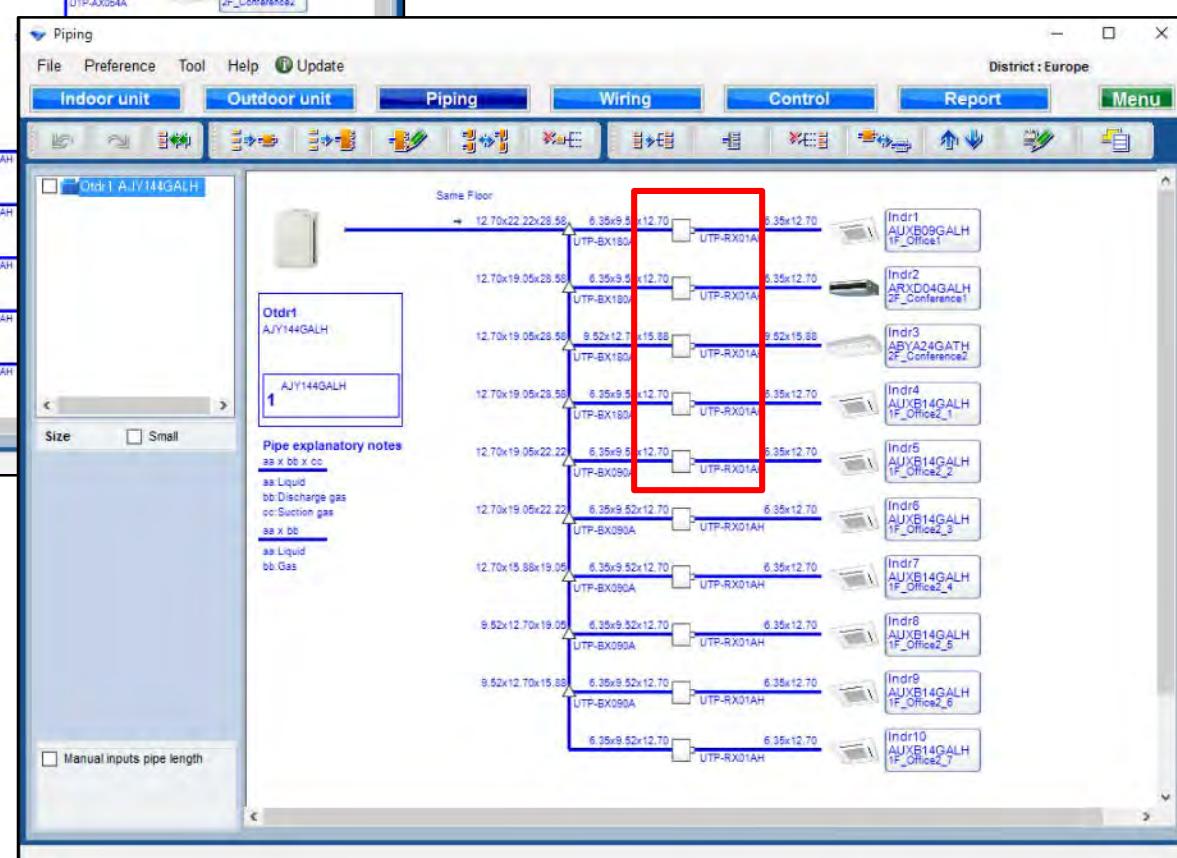
Design Simulator

Release combine function



Select RB units

Select "Release combine"



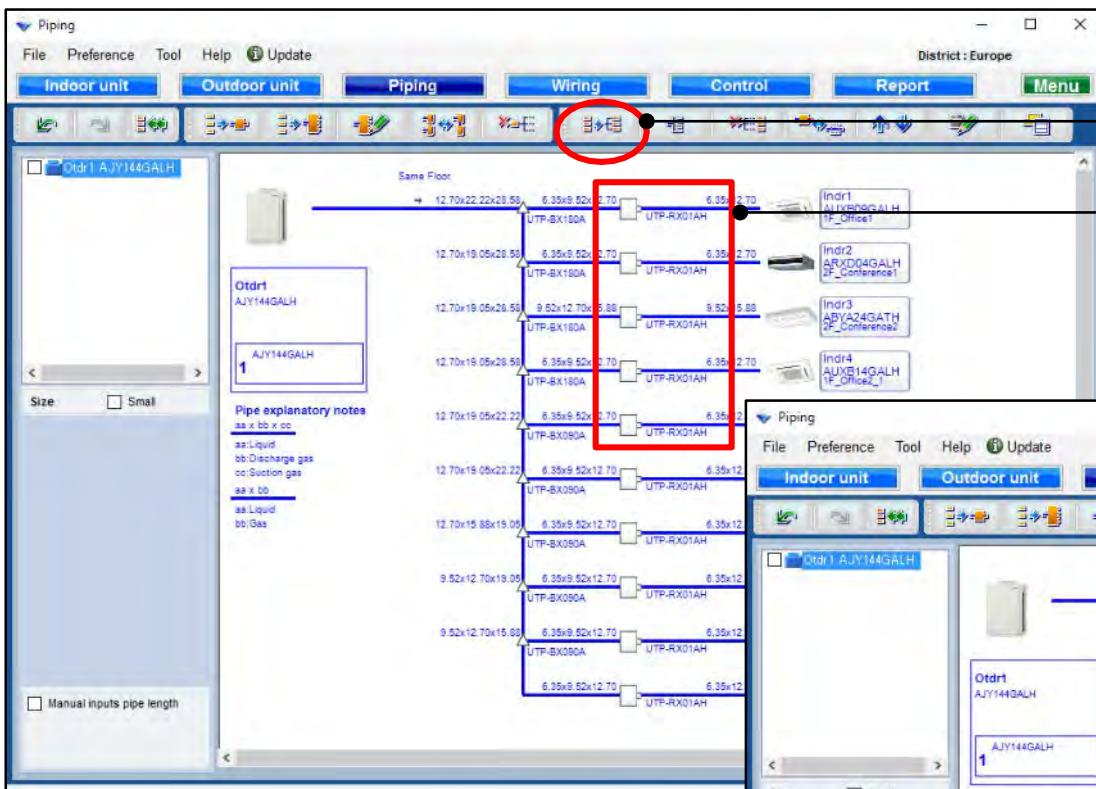
Release combine

*Selected RB multi or all units combined by single can be released.

Piping settings

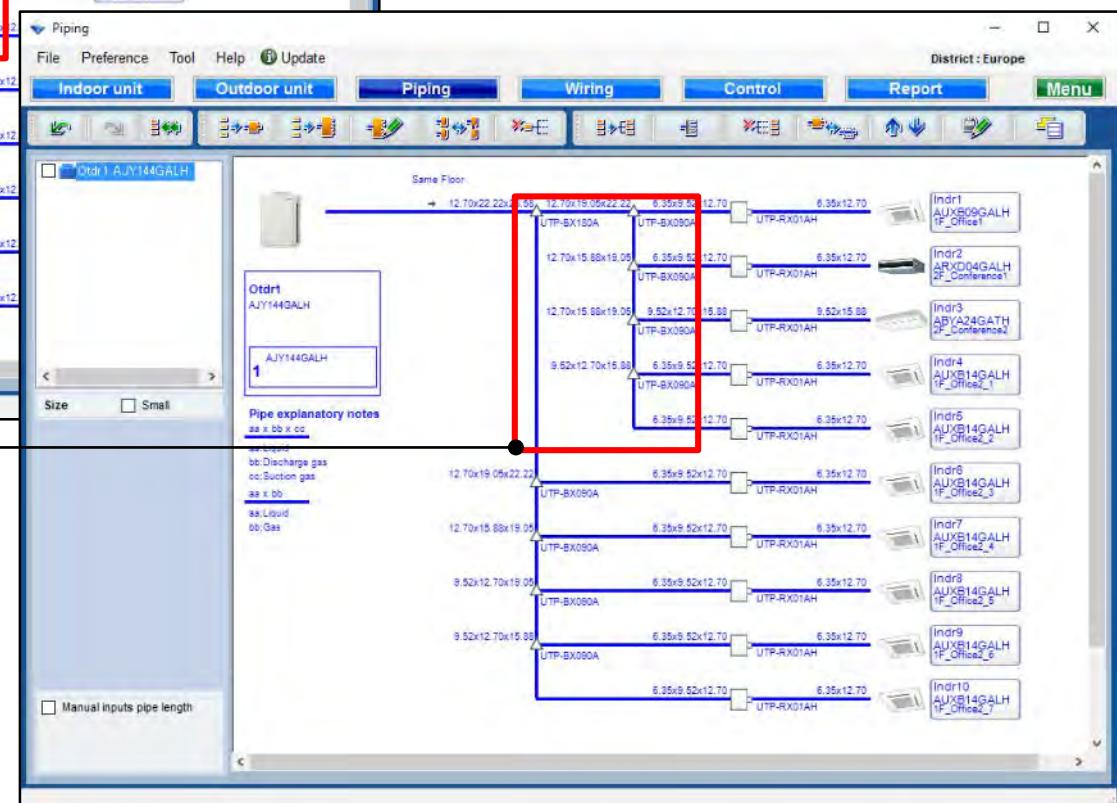
Design Simulator

Combine indoor function



Select RB units

Select “Combine indoor”

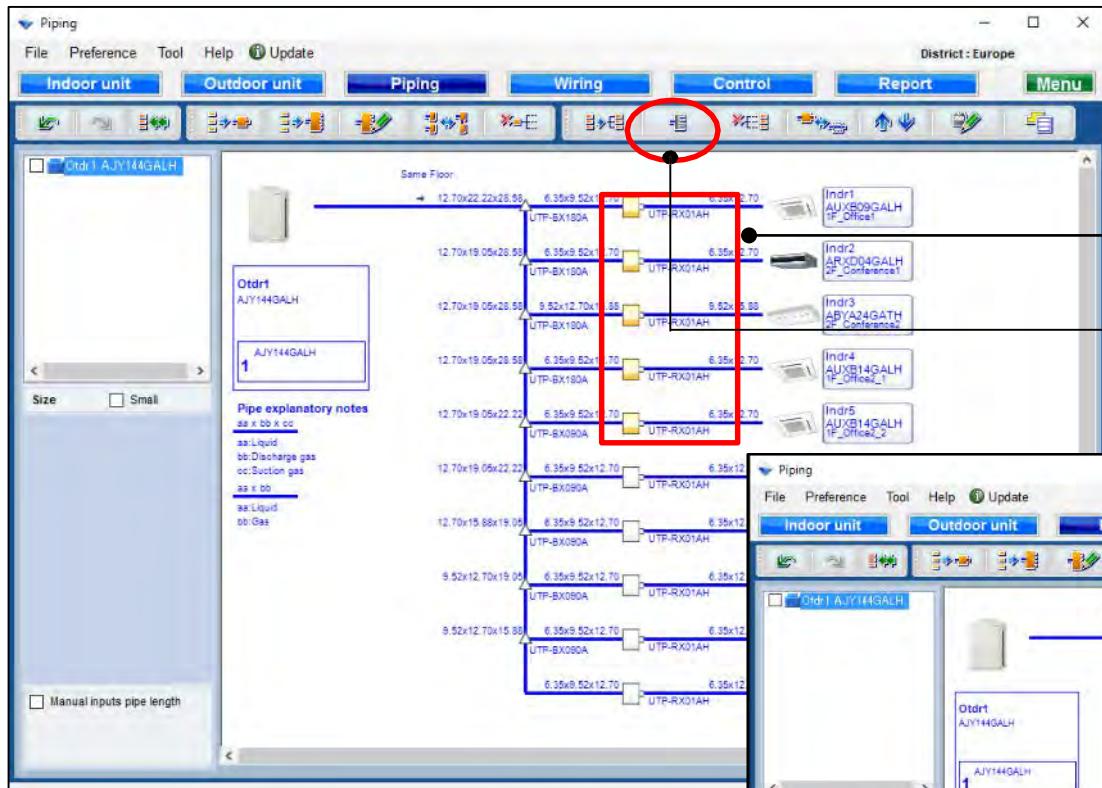


This part can be separated.

Piping settings

Design Simulator

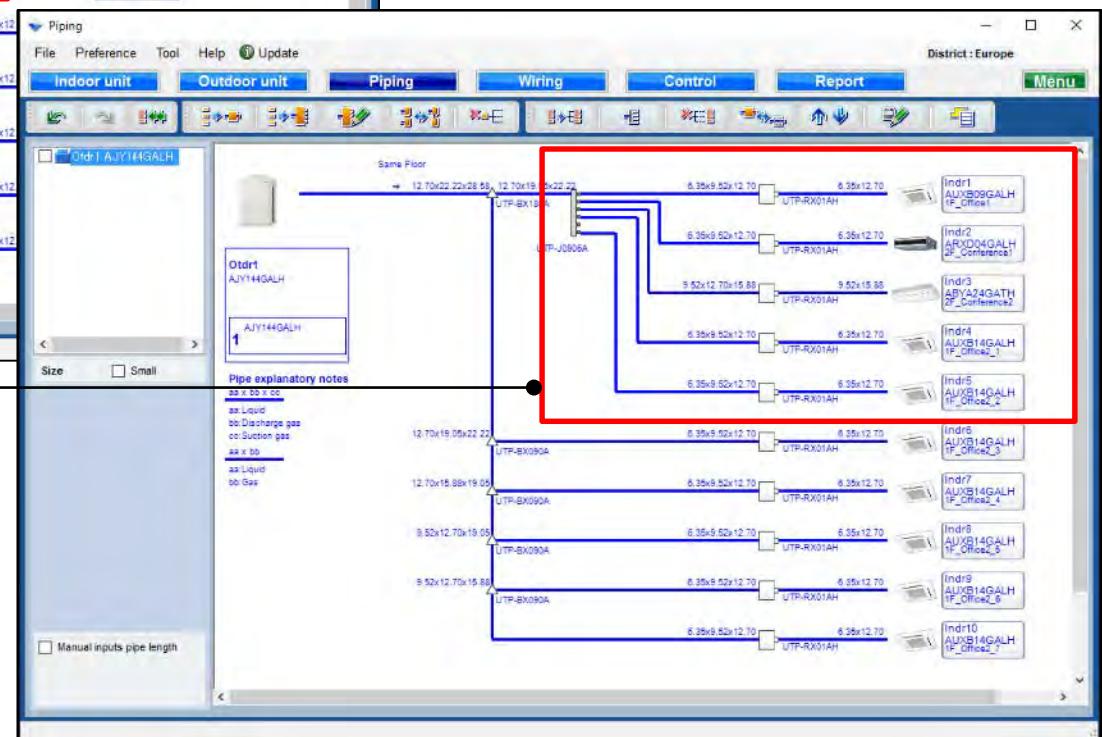
Add header function



Select RB units

Select “Add header”

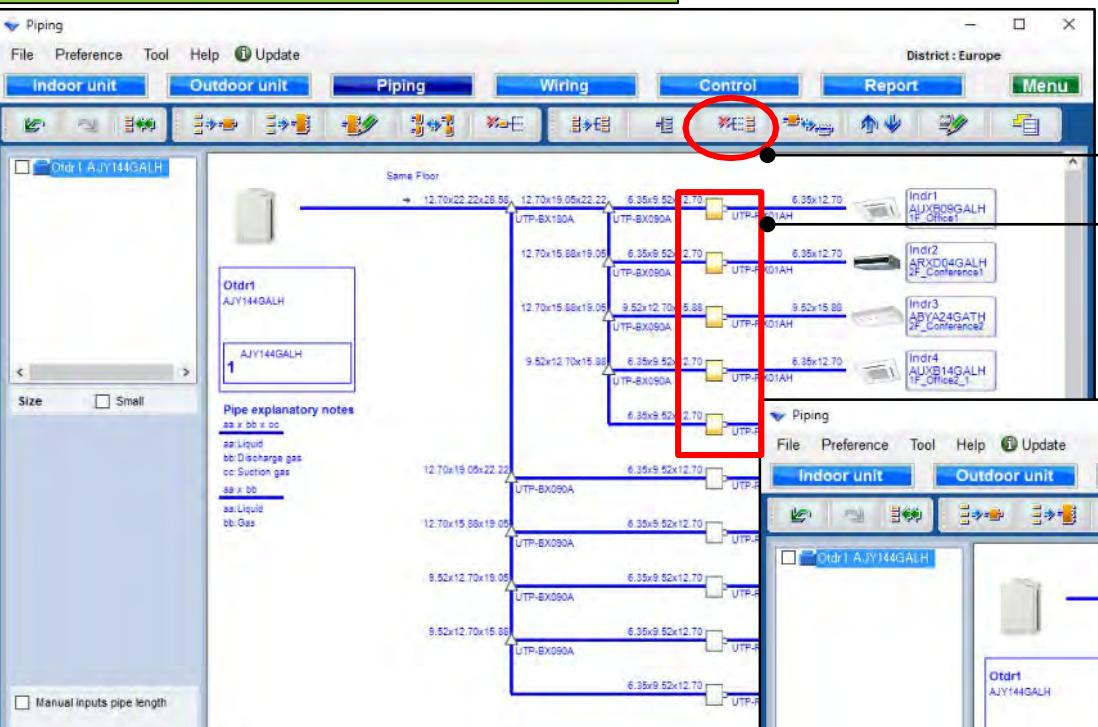
Create header combine



Piping settings

Design Simulator

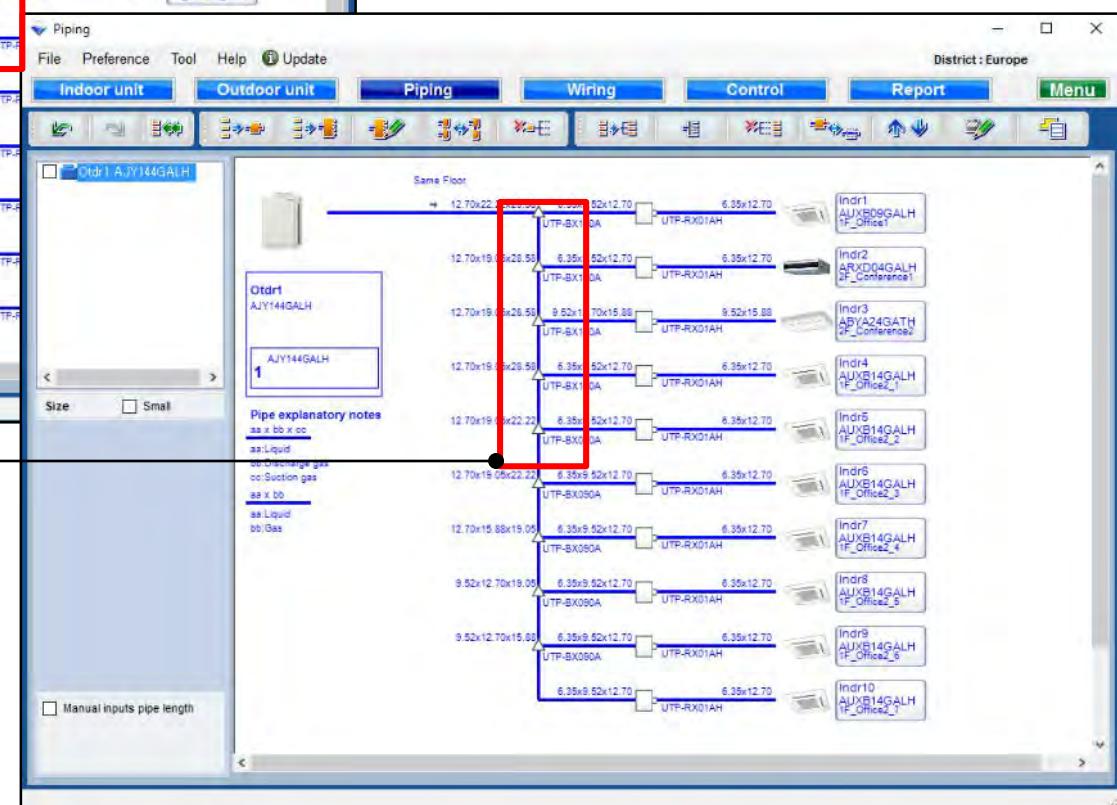
Release combine function



Select RB units

Select “Release combine”

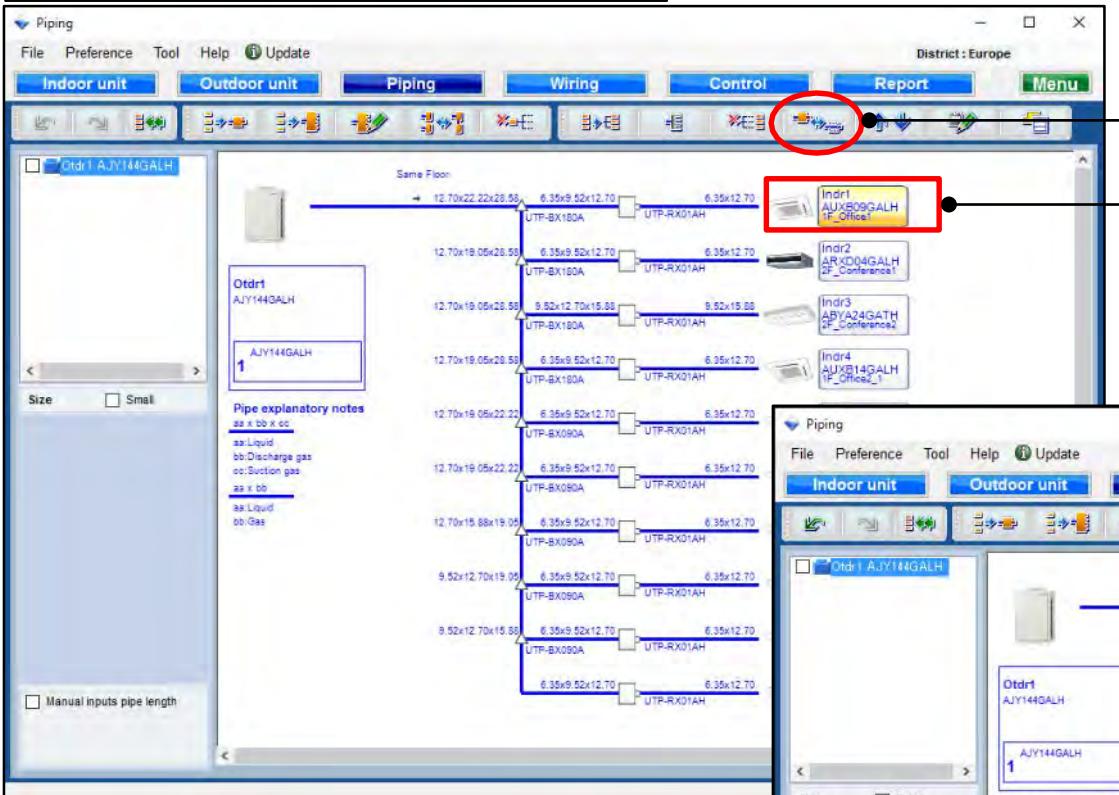
Release combine



Piping settings

Design Simulator

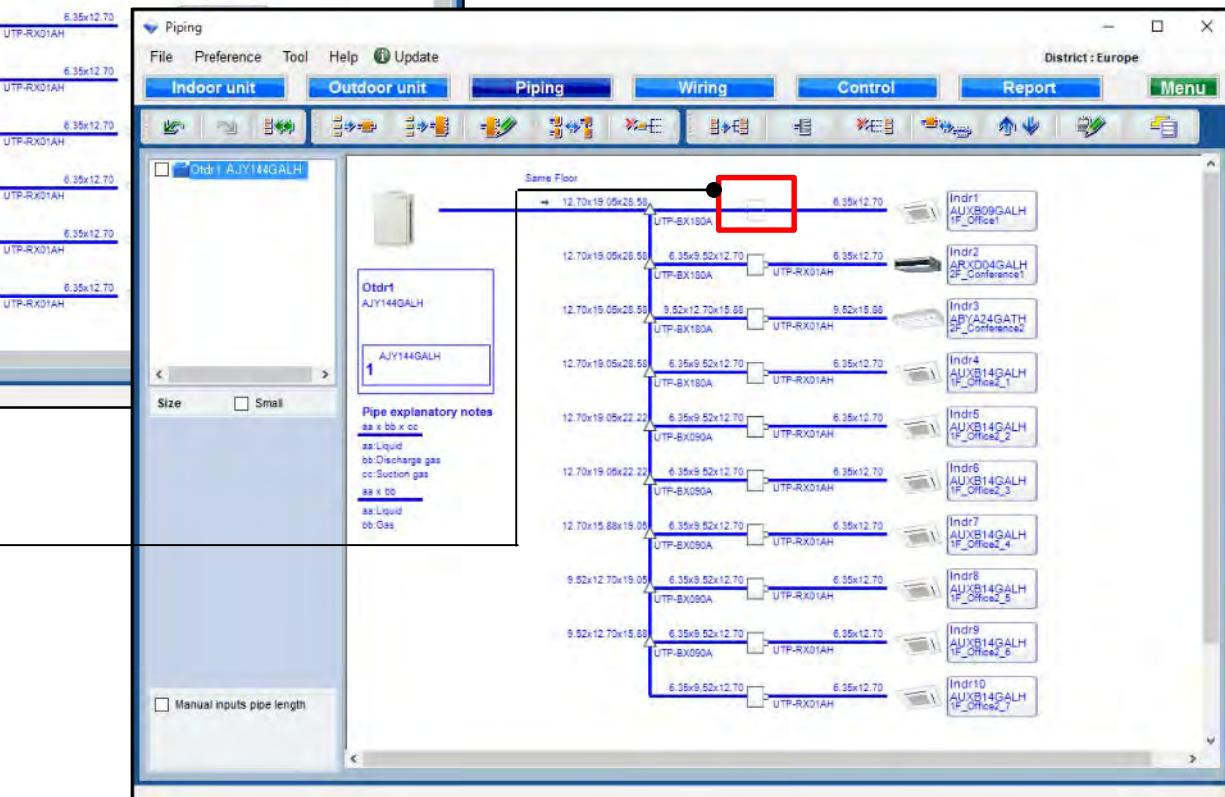
Release Single RB function



Select indoor unit

Select “Release Single RB (make cooling only IU)”

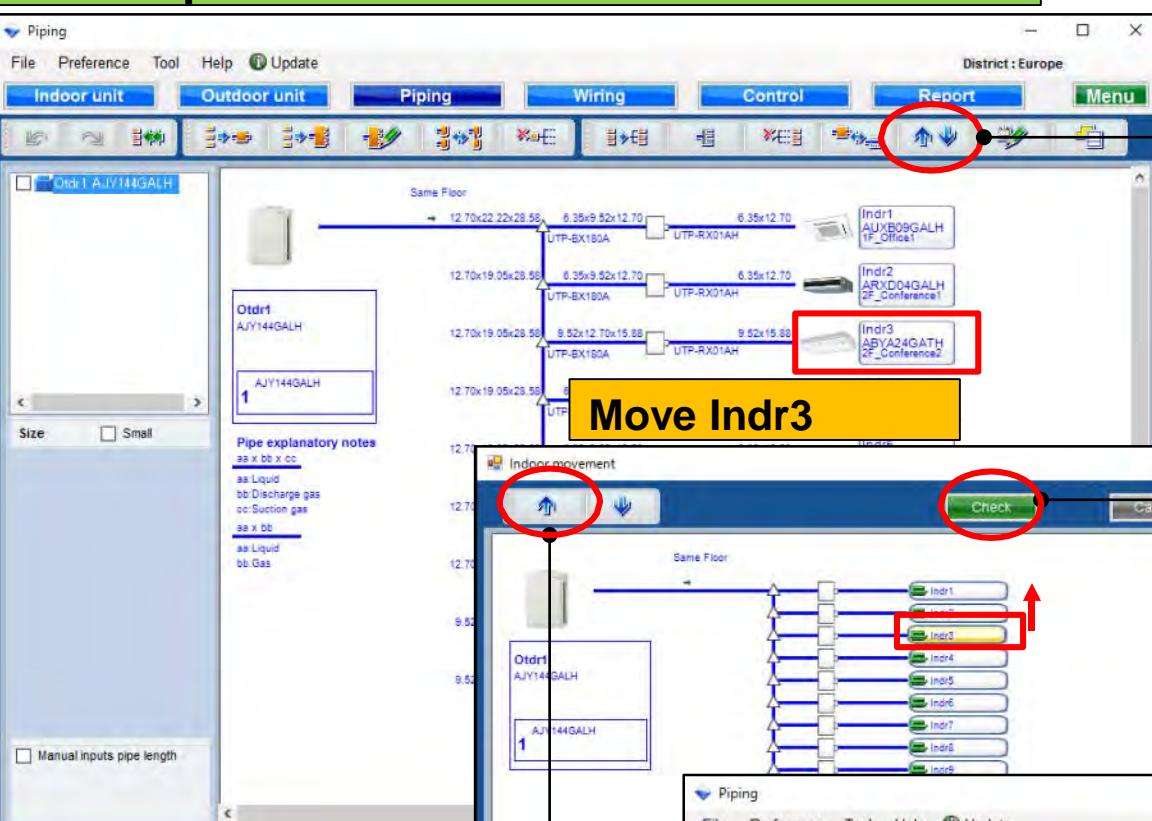
Less than 50% of all capacities in all indoor units can be changed to Cooling only.



Piping settings

Design Simulator

Move up the indoor combine order function



Select
" Move up the indoor
combine order "

Open Indoor movement

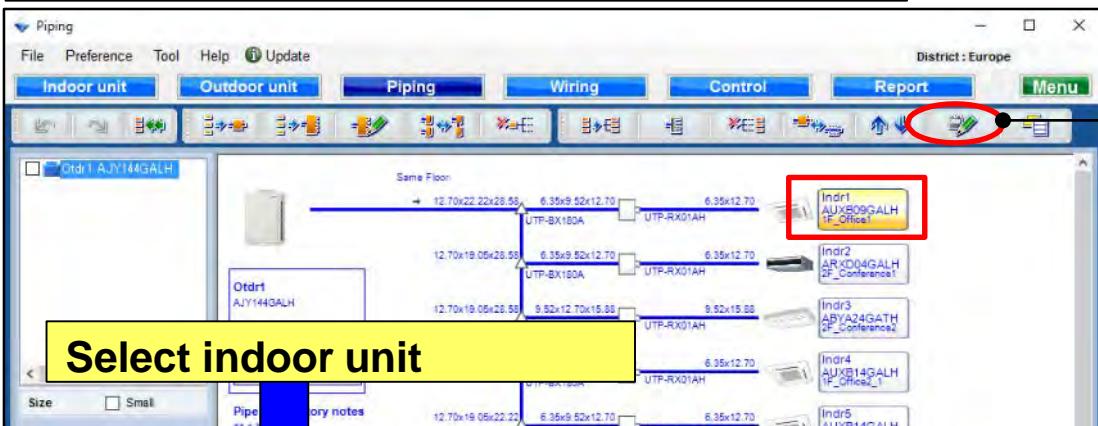
Press Check and then
press OK



Piping settings

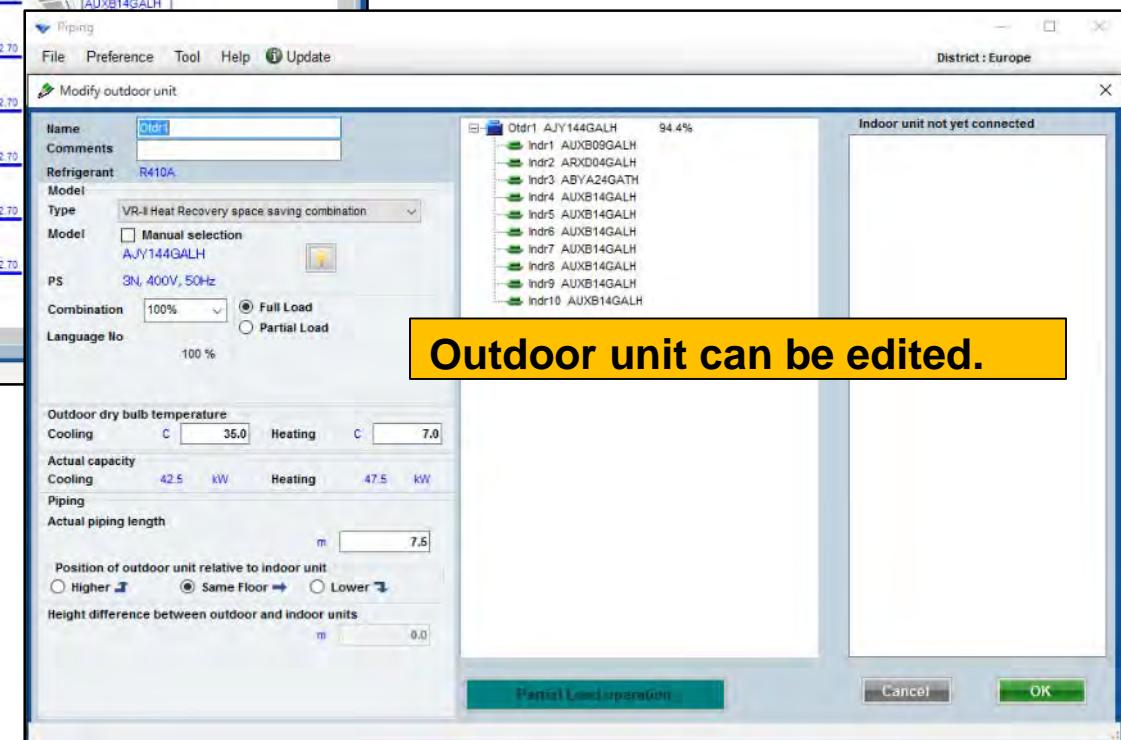
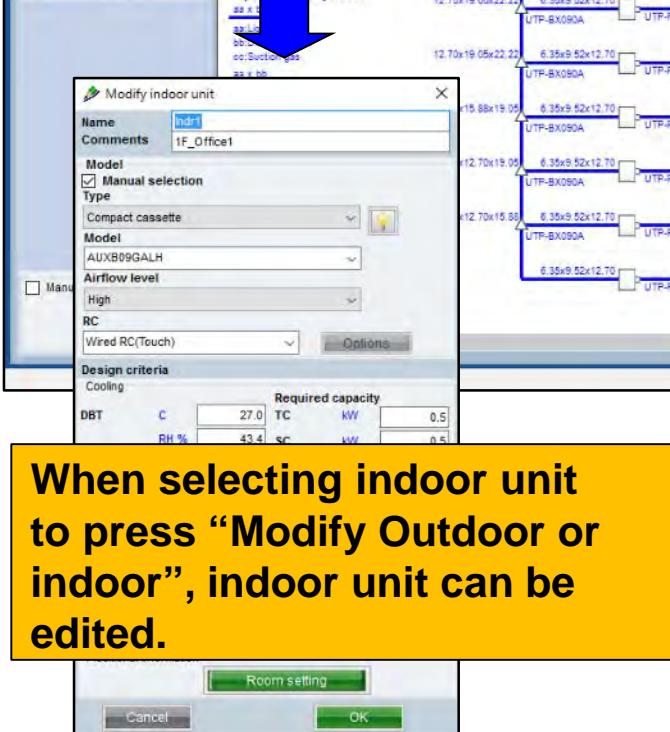
Design Simulator

Modify Outdoor or indoor function



Select

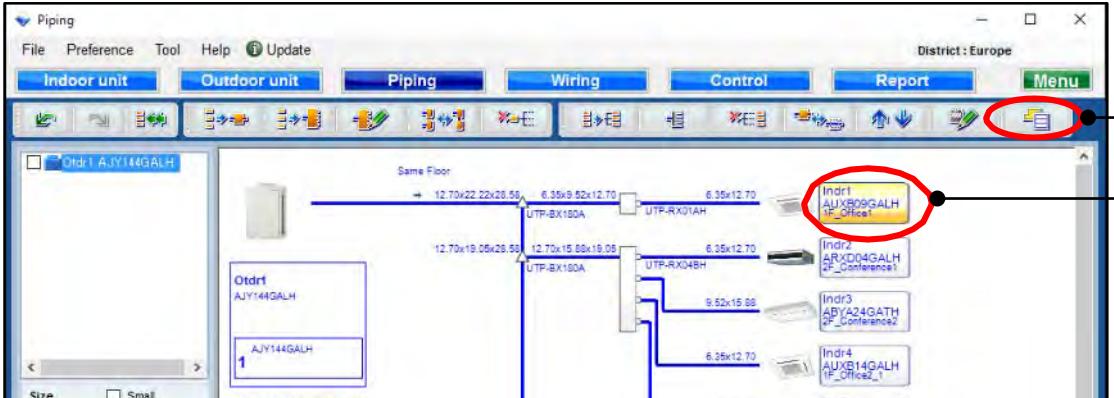
“Modify Outdoor or indoor”



Piping settings

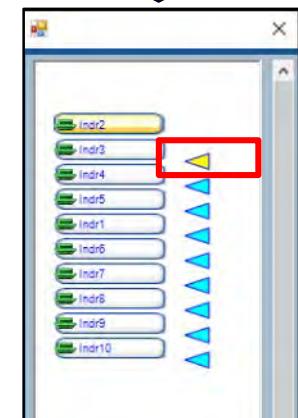
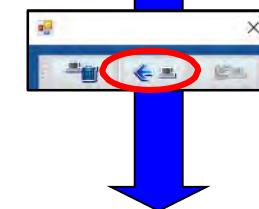
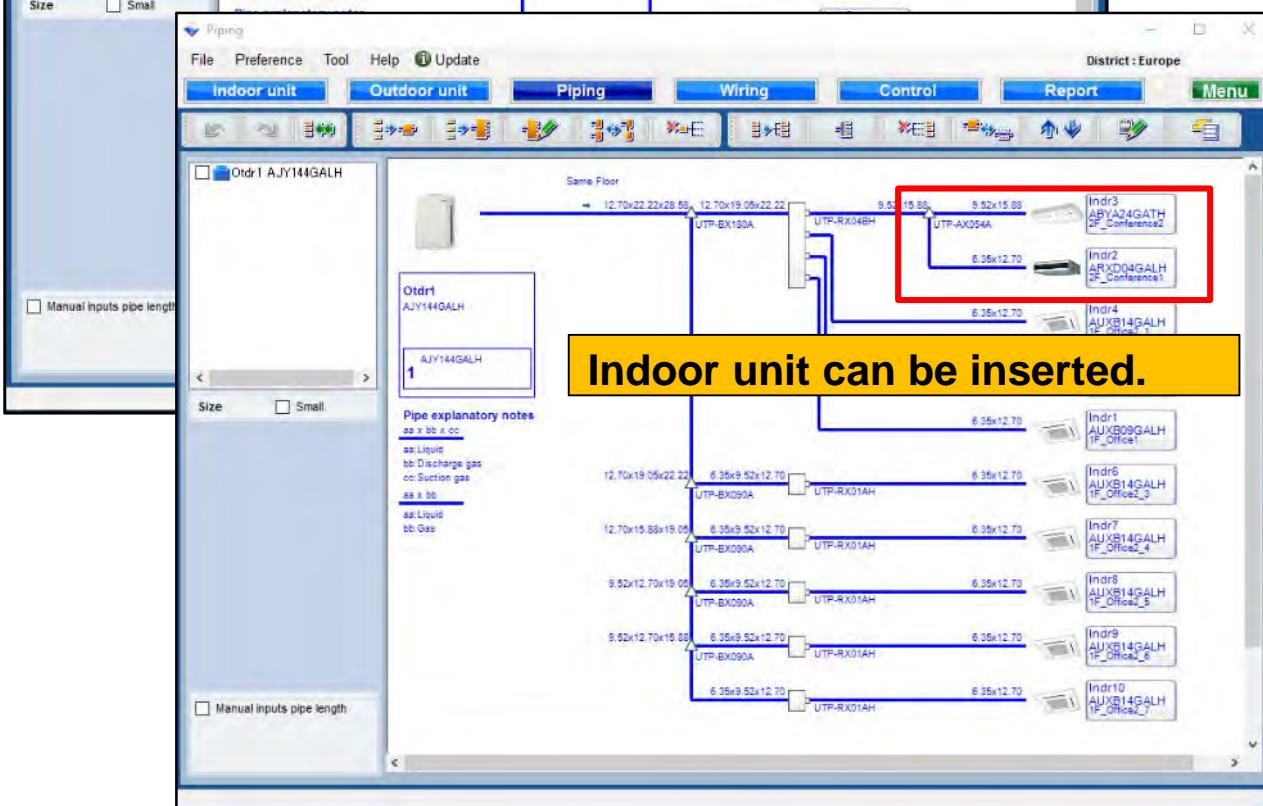
Design Simulator

Insert function



Select indoor unit

Select
“Remove, Insert or undo”

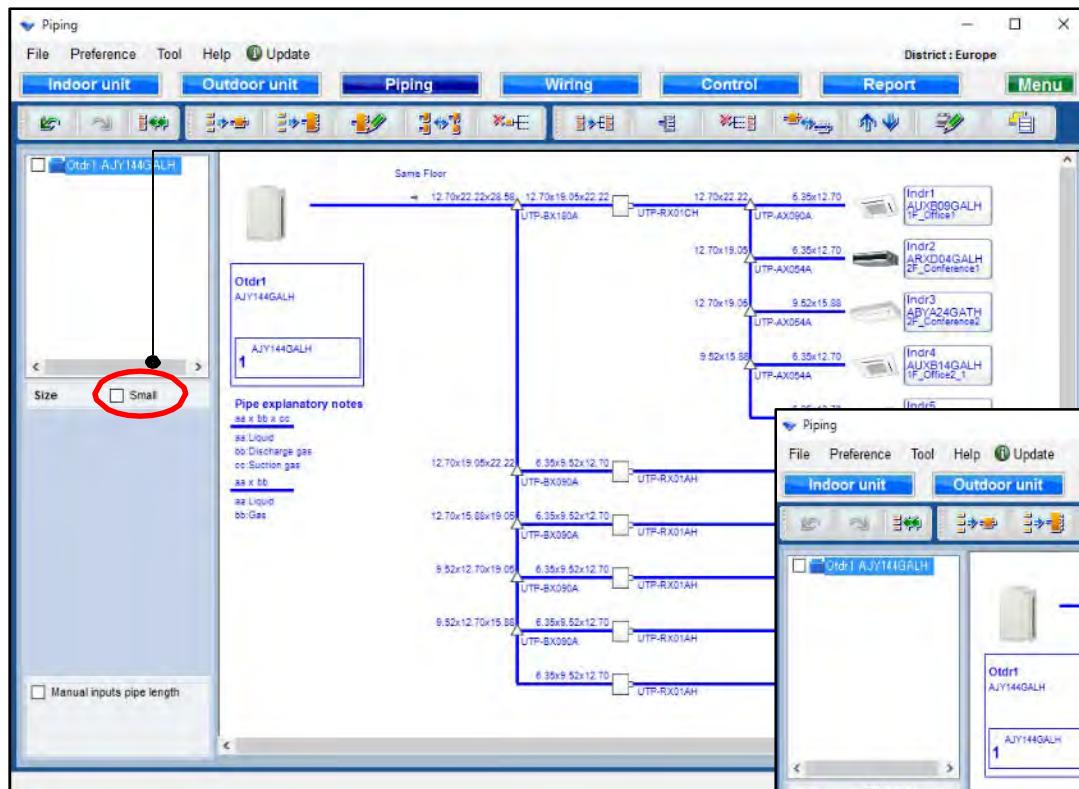


Specify the
insertion position
of the selected
indoor unit.

Piping settings

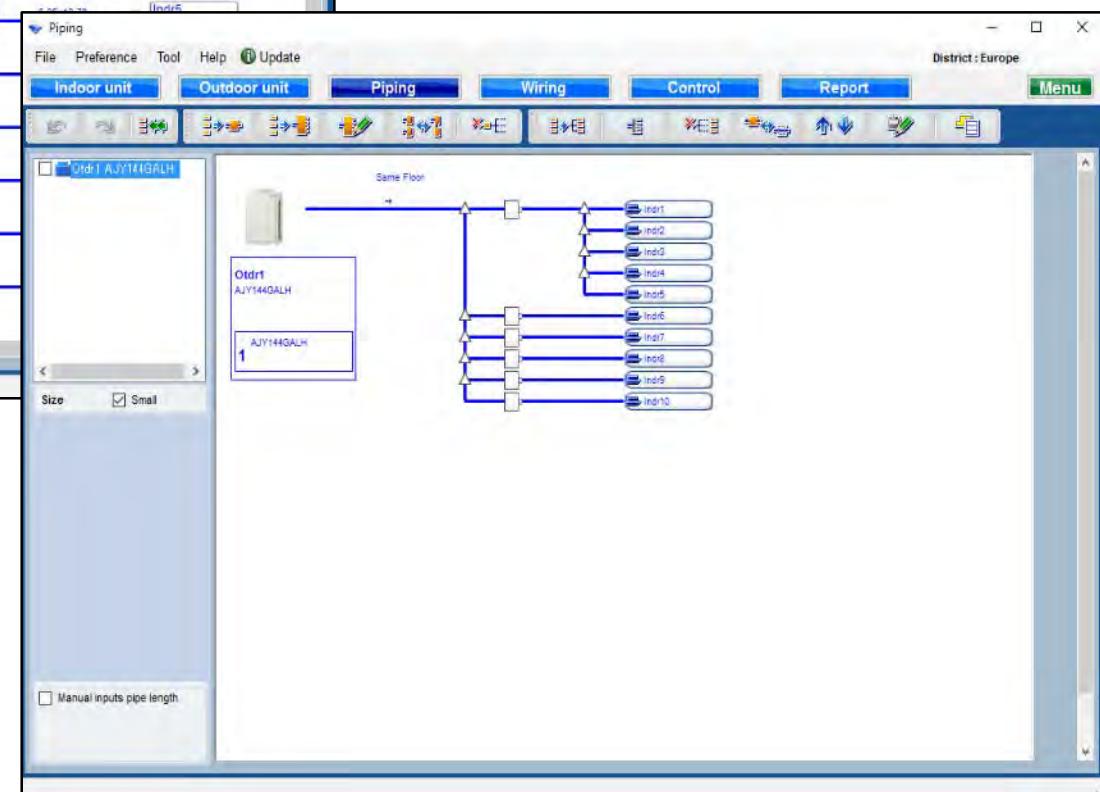
Design Simulator

Small view function



Select “Small”

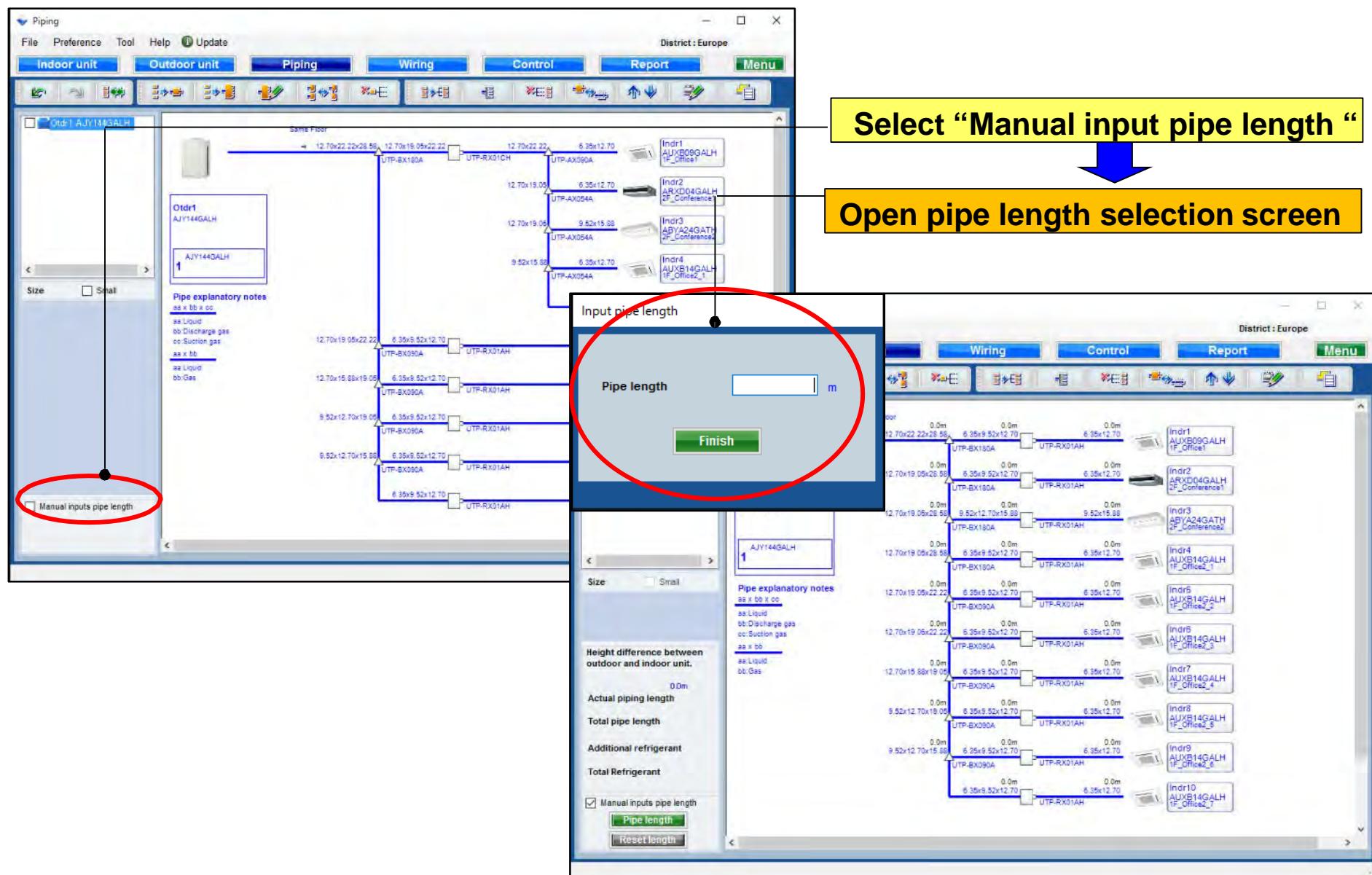
It changed to the small view.



Piping settings

Design Simulator

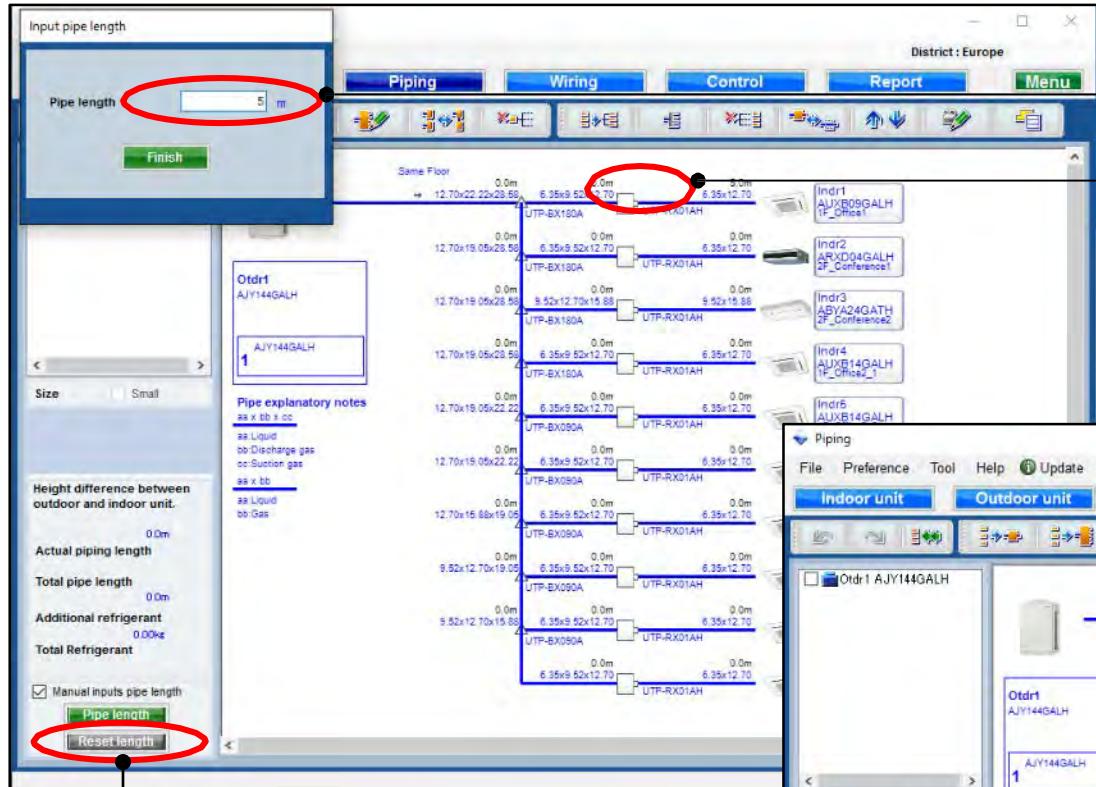
Pipe length set function (1/4)



Piping settings

Design Simulator

Pipe length set function (2/4)

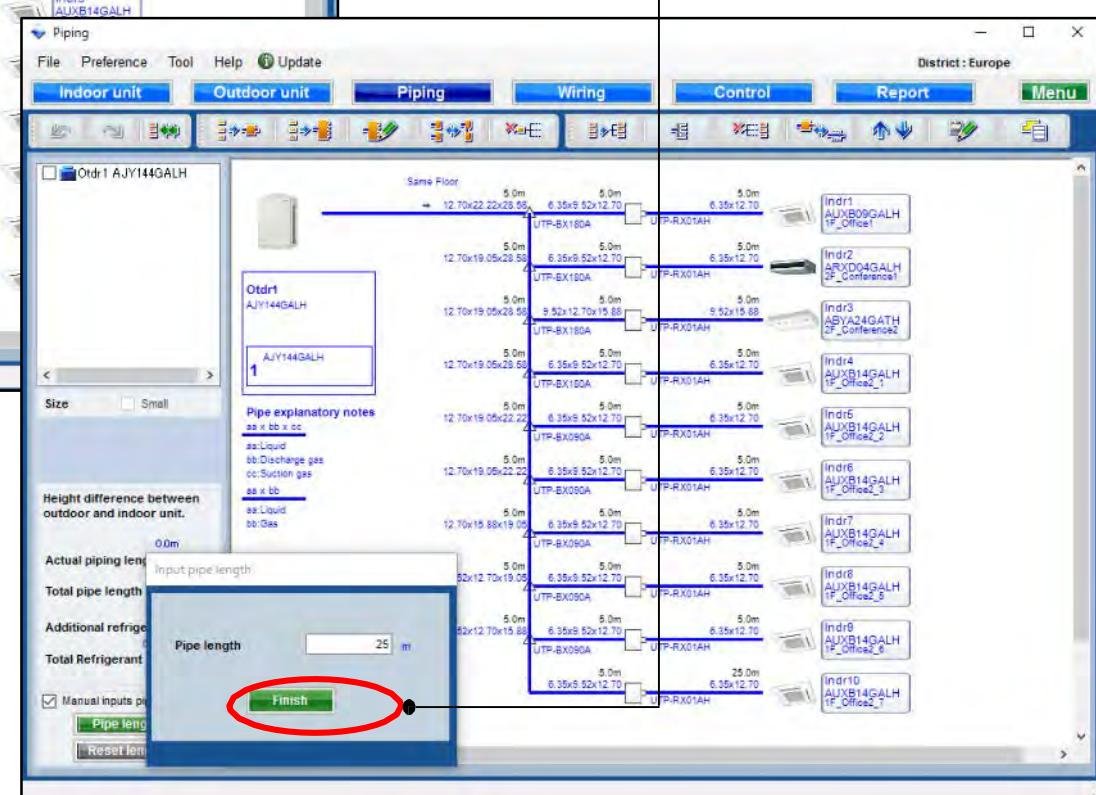


Input the pipe length

Select each pipe

After all lengths are registered ,
select "Finish"

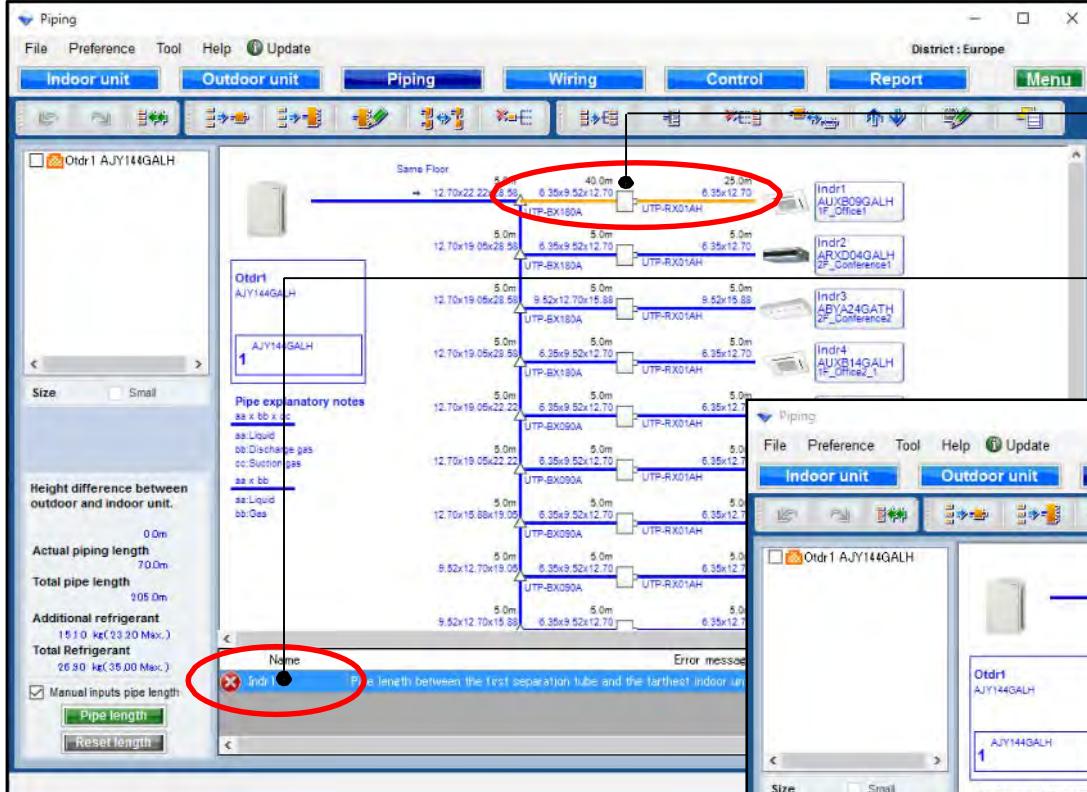
Reset all input pipe lengths
to initial value



Piping settings

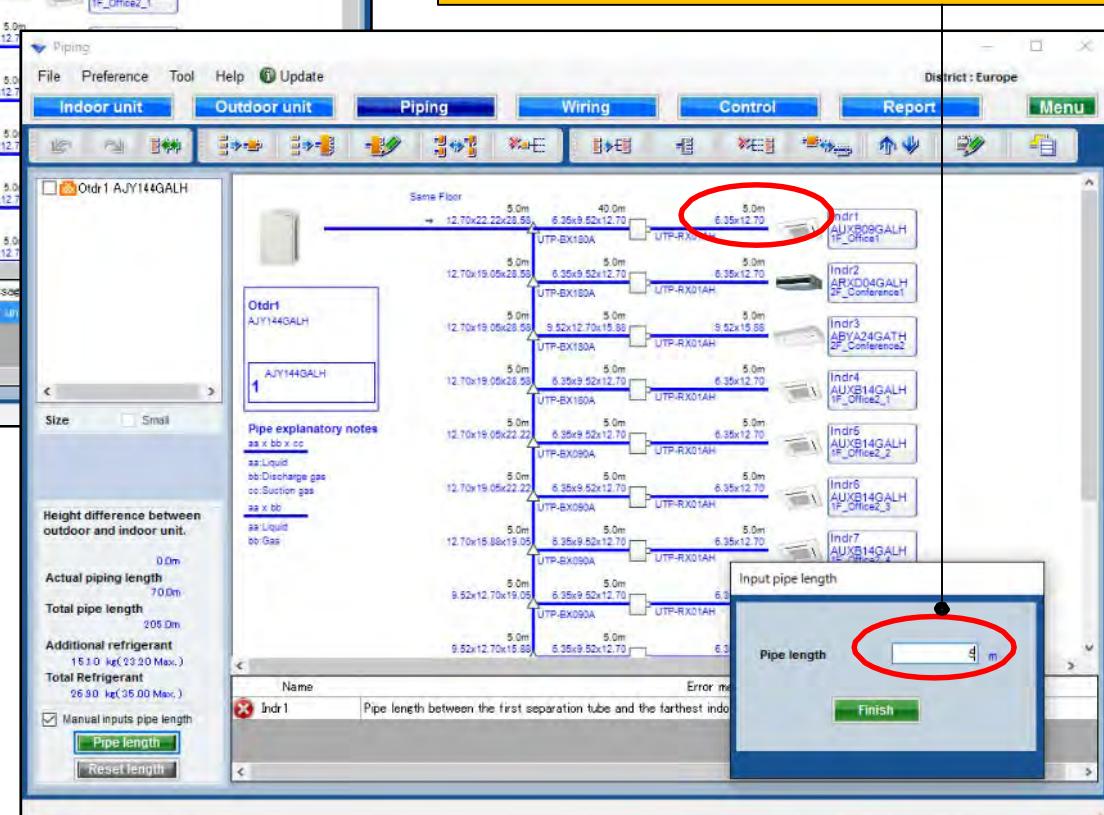
Design Simulator

Pipe length set function (3/4)



A warning provides error information when information has not been entered or exceeds the restrictions.

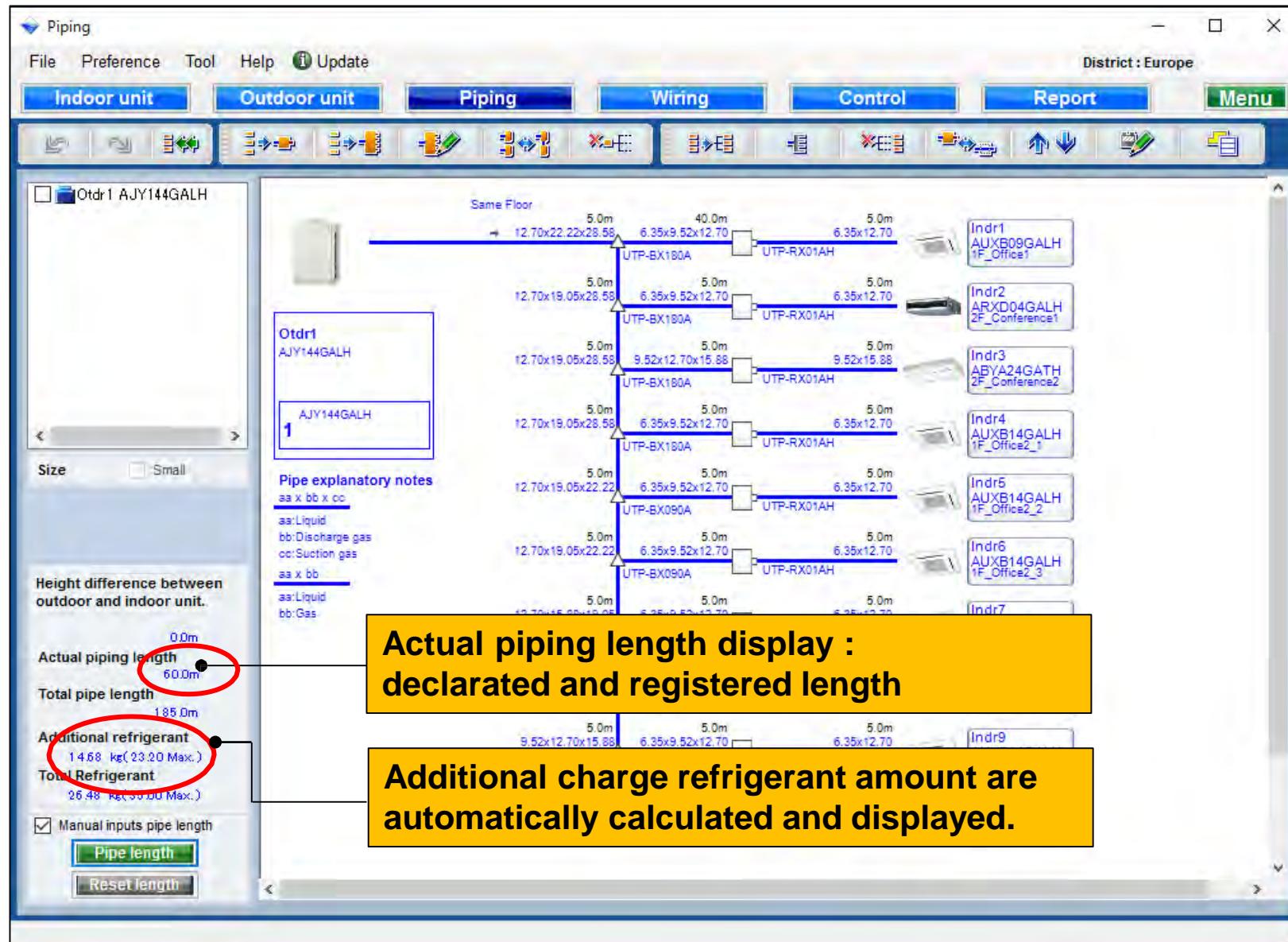
Repeat again , then select “Finish”



Piping settings

Design Simulator

Pipe length set function (4/4)

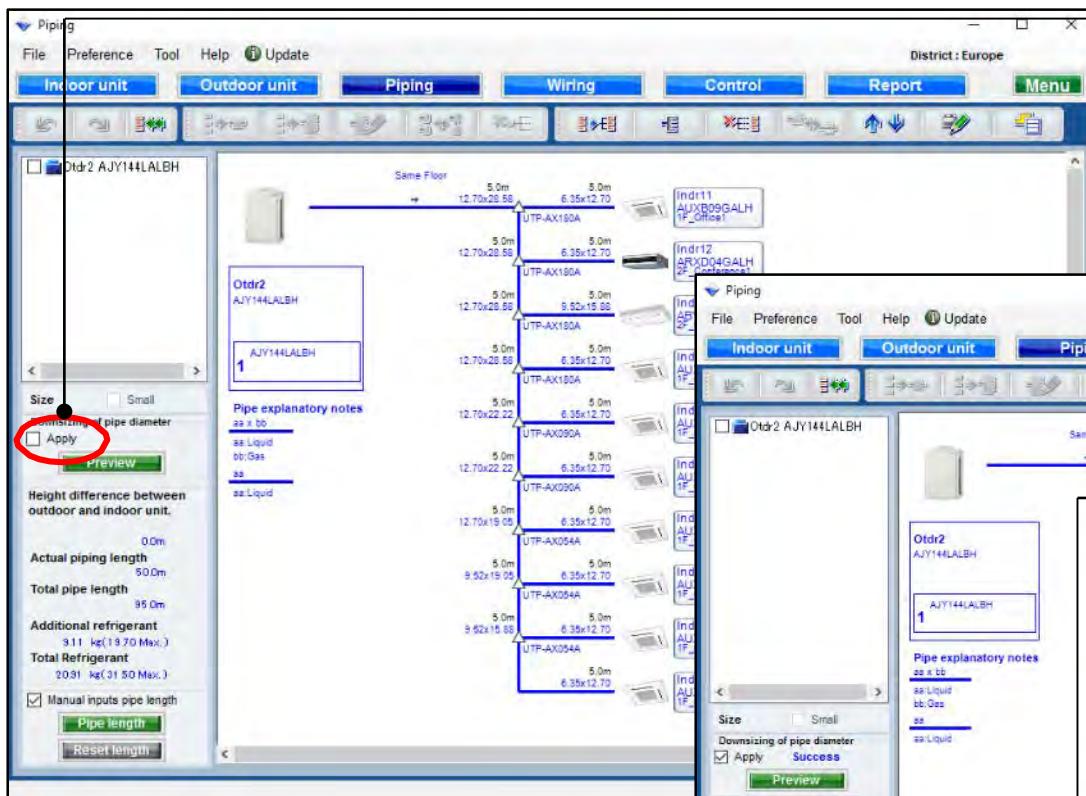


Piping settings

Design Simulator

Downsizing of pipe diameter function (1/2)

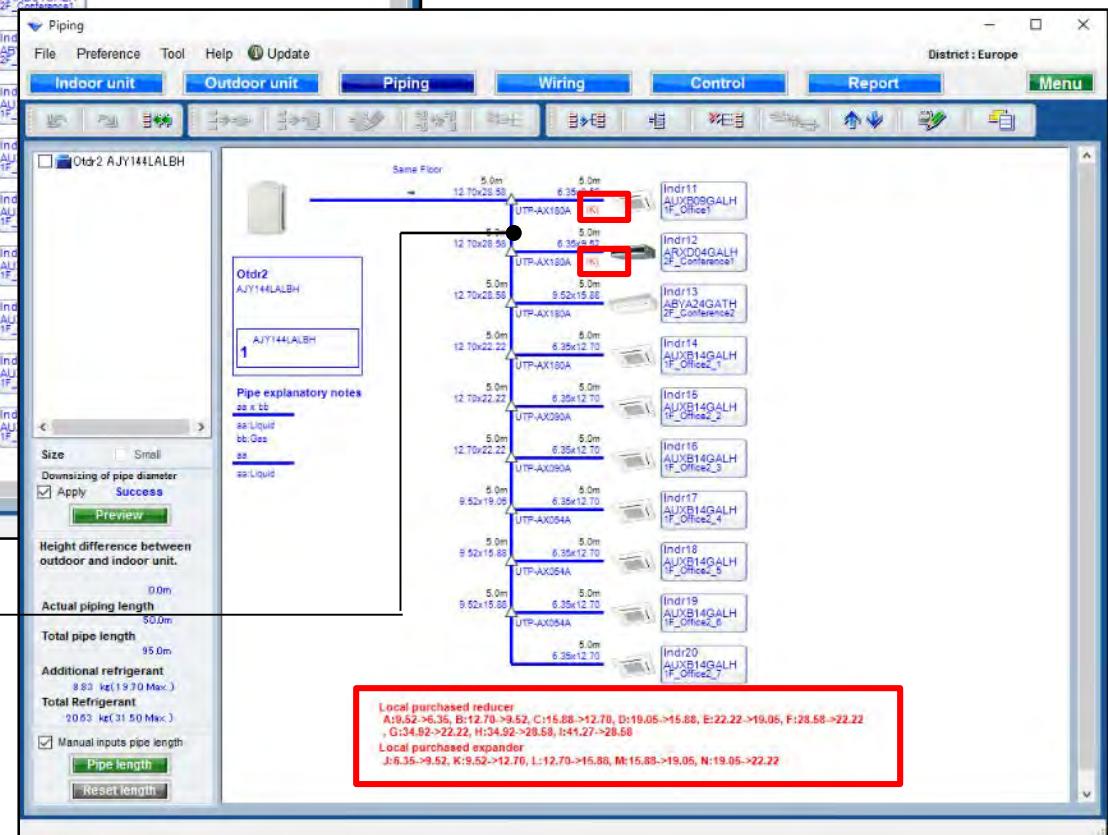
*V-III series only at target area



Select “Apply”

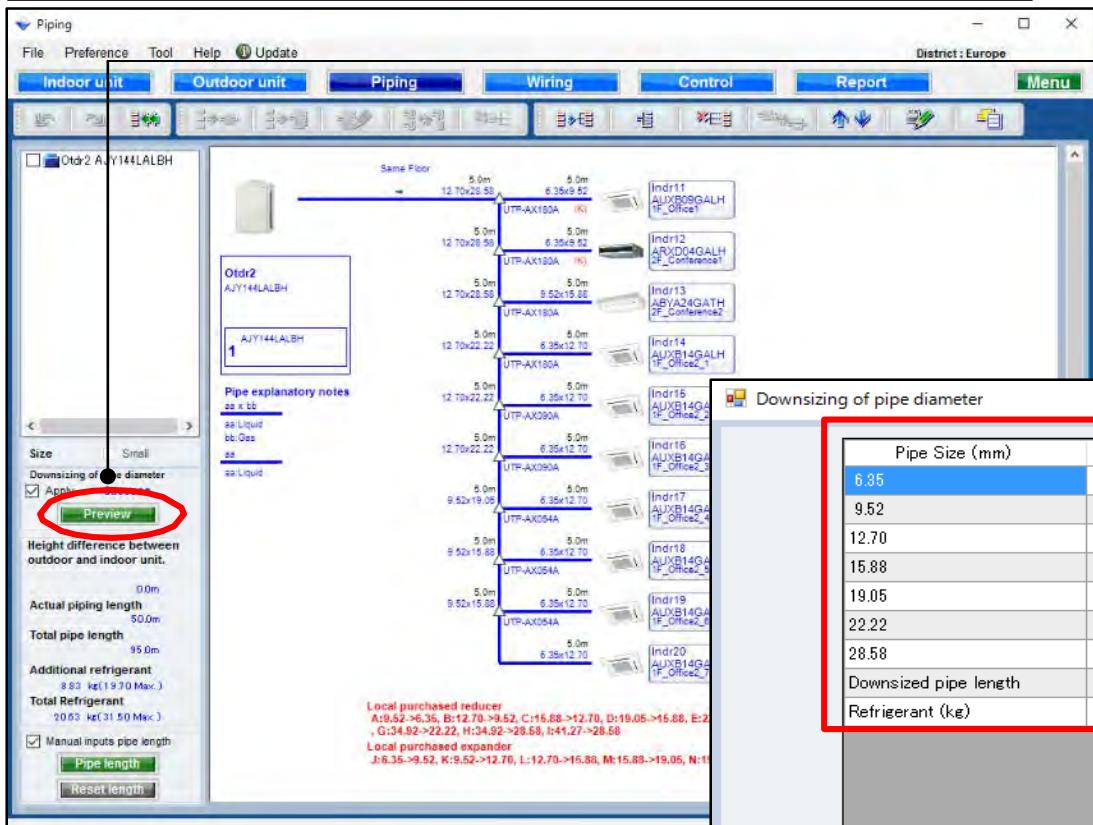
Downsize pipe diameter

When Reducer is necessary, message is displayed.



Local purchased reducer
A:9.52->6.35, B:12.70->9.52, C:15.88->12.70, D:19.05->15.88, E:22.22->19.05, F:28.58->22.22
, G:34.92->22.22, H:34.92->28.58, I:41.27->28.58
Local purchased expander
J:6.35->9.52, K:9.52->12.70, L:12.70->15.88, M:15.88->19.05, N:19.05->22.22

Downsizing of pipe diameter function (2/2)



Select “Preview”

Display “Downsizing of pipe diameter”

Downsizing of pipe diameter

Pipe Size (mm)	Normal (m)	Downsizing (m)	Difference (m)
6.35	45.0	45.0	0.0
9.52	15.0	30.0	15.0
12.70	80.0	65.0	-15.0
15.88	10.0	15.0	5.0
19.05	10.0	5.0	-5.0
22.22	10.0	15.0	5.0
28.58	20.0	15.0	-5.0
Downsized pipe length			25.0
Refrigerant (kg)	9.11	8.83	0.28

If you input the lengths of the pipes, and their length are based on the following condition, you can downsize the pipe size.

- Between outdoor unit to outdoor unit branch kit ,
Between outdoor unit branch kits or outdoor unit branch kit to first separation tube :
The length between master outdoor unit and the farthest indoor unit should be 70.0m or less.
- Between separation tubes :
The length between master outdoor unit and the farthest indoor unit should be 120.0m or less,
and the length between the first separation tube and the farthest indoor unit should be 60.0m or less.
- Between separation tube to indoor unit :

Display the difference before and after the downsizing of pipe and refrigerant amount.