



## Product Bulletin

Date	Subject	Department
12/19/2023	New Toshiba Carrier VRF Heat Recovery Unit (Flow Selector)	Product Marketing
Bulletin Number	Product Model Number(s)	Author Name/Email
VRF-23-017	RBM-Y***1FUPUL (Single Port Flow Selector) RBM-Y0611FU**PUL (Multi-Port Flow Selector)	Steven Hunt steven.hunt2@carrier.com

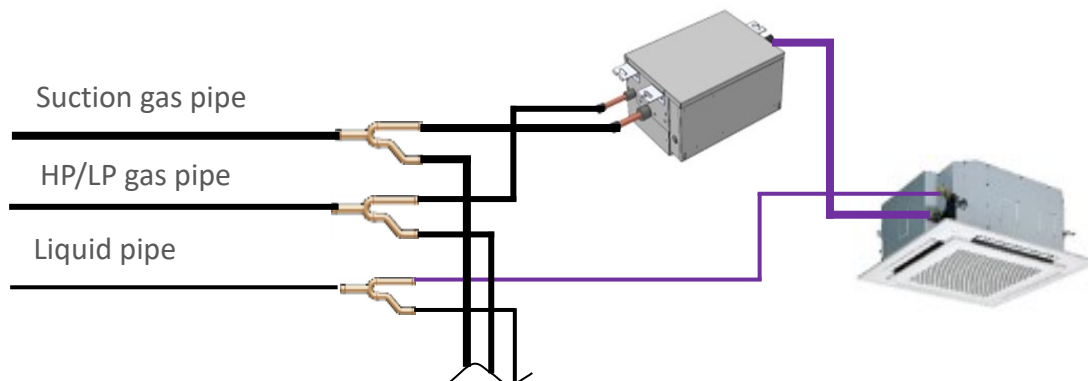
### New Toshiba Carrier u-Series Heat Recovery Flow Selectors

With the launch of the new u-Series heat recovery units, we will also be launching the new flow selectors. With the new u-Series models there are not only changes to accommodate for the u-Series protocol, but also changes in dimensions and units that are offered. **The new models will NOT be backwards compatible, so they must ONLY be used on u-Series heat recovery systems, with u-Series indoor units and controllers.**

The single port flow selector boxes are now consolidated to a total of only two (2) SKUs. The single port flow selector (Model No. RBM-Y0611FUPUL) will be used for all indoor unit models 5 tons and below. The single port flow selector (Model No. RBM-Y0961FUPUL) will be able to connect units between 62 ~ 96 kBtu/h.

The u-Series single port flow selectors will require their own dedicated 208-230V/1ph/60Hz power **and will NOT be able to be powered from the indoor unit as the e-Series standard single port flow selectors could.** The u-Series flow selectors can have a maximum of 115 feet of length between the flow selector and the indoor unit. The single port flow selector will not have a connection for the liquid refrigerant piping. **The liquid refrigerant piping will need to be connected directly to the indoor unit.**

*Figure 1 – Single Port Flow Selector Schematic*





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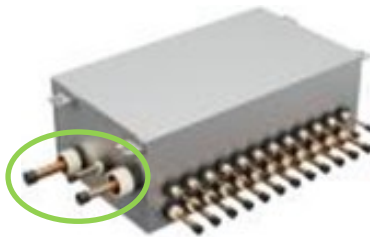
Below is a table outlining the change in dimensions from the e-Series to the u-Series single port flow selectors.

*Table 1 – Single Port Flow Selector Dimensions*

e-Series		u-Series	
Model No	Dimensions (HxWxD)	Model No.	Dimensions (HxWxD)
RBM-Y0383FUL	7.5 x 9.8 x 6.3	RBM-Y0611FUPUL	8.1 x 15.2 x 15.5
RBM-Y0384FUL	7.1 x 16.8 x 11.8		
RBM-Y0613FUL	7.5 x 9.8 x 6.3		
RBM-Y0614FUL	7.1 x 16.8 x 11.8		
RBM-Y0963FUL	7.9 x 15.8 x 7.9	RBM-Y0961FUPUL	8.1 x 15.2 x 15.5
RBM-Y0964FUL	7.1 x 19.5 x 13.8		

The new multiport flow selector is now offered with three (3) SKUs and will have a model that contains a maximum of twelve (12) ports. The six (6) port unit will no longer be offered, as there will now be an option for an eight (8) port unit. **Unlike the single port flow selector, there will be a connection for the liquid refrigerant piping at the multiport flow selector.** Each port will still be limited to 61kBtu/h per port. However, consecutive ports may be twinned together for indoor units greater than 61 kBtu/h to a maximum size of 123 kBtu/h.

*Figure 2 – Multiport Flow Selector Box (12 Port)*



Below is a table outlining the change in dimensions from the e-Series to the u-Series single port flow selectors.

*Table 2 – Multi-Port Flow Selector Dimensions*

e-Series			u-Series		
Model No	Number of Ports	Dimensions (HxWxD)	Model No.	Number of Ports	Dimensions (HxWxD)
RBM-Y0611F4PUL	4	8.5 x 28.8 x 22.4	RBM-Y0611FU4PUL	4	11.5 x 13.3 x 18.4
RBM-Y0611F6PUL	6	8.5 x 41.6 x 22.4	RBM-Y0611FU8PUL	8	11.5 x 22.8 x 18.4
			RBM-Y0611FU12PUL	12	11.5 x 32.2 x 18.4



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