VRV5 Heat pump Piping restrictions

		Maximum piping length			Maximum height difference			Total piping length
		Longest pipe from the outdoor unit or the last multi-outdoor piping branch	Longest pipe after first branch or multi-SV- unit	Longest pipe from the outdoor unit to the last multi- outdoor piping branch	Indoor-to-outdoor Outdoor unit higher than indoor unit / Indoor unit higher than outdoor unit	Indoor-to-indoor	Outdoor-to-outdoor	Piping length
		Actual / Equivalent	Actual	Actual / Equivalent				
		Maximum · (A+B1+C1, A+B2+C2, A+B1+C3, A+B1+D+C4,A+F+G,A+B2+L)·	Maximum -(B1+C1, B2+C2, B1+C3, B1+D+C4,F+G,B2+L)-	Maximum ·(E)-	Maximum -(H1)-	Maximum -(H2)-	Maximum (H3)-	Maximum
-VRV R32 DX-indoor units only		165/190 m (*3)	40 m (*1)(*4)	-	50/40 m (*2)	30 m		1000 m
Multi-outdoor unit combinations		135/160 m (*3)	40 m (*1)(*4)	10/13 m	50/40 m (*2)	30m	5 m	500 m
-AHU- connection	Pair (*5)	50/55 m (*7)	40 m	10/13 m	40/40 m		5 m	150m (*9)
	Multi (*6)	165/190 m (*3)	40 m	10/13 m	40/40 m	15 m	5 m	1000 m
	Mix (*8)	165/190 m (*3)	40 m	10/13 m	40/40 m	15 m	5 m	1000 m

Maximum piping le	Maximum height difference			
	-EKEXVA- to -AHU-	-EKEXVA- to -AHU-		
-AHU- connection	(1)	(H4)		
Pair (*5)	5 m	5 m		
Multi (*6)	5 m	5 m		
Mix (*8)	5 m	5 m		

- 1. If all conditions below are met, the limitation can be extended up to 90 m
- tation can be detended up to 50m.

 A. The piping length extreme all indoor units and the nearest branch list or 50° units is 40° m.

 b. Its required to size up gas and legad puping between the first branch list or 50° unit and the last branch list or 40° unit.

 b. Its required to size up gas and legad puping between the first branch list or 50° unit is 40° m.

 i. If the conservation puping the size of the main pipe. c. When the piping size is increased, the piping length has to be counted as double.
- ... The total point insurance, with programmy and to be considered and double.

 1. The total point plant pla

 - - Size up the liquid piping
 A dedicated setting on the outdoor unit is required.
 For more information, refer to the service manual.
 - c. If the outdoor units are positioned lower than the indoor units:
 - Size up the liquid piping
 A dedicated setting on the outdoor unit is required.
 For more information, refer to the service manual.
- 2. If the equivalent piping length in 5-90 m, use up the main liquid and gas piping.

 4. Limited of an instance OV with all and become usin is dependent on more size (fit, faster system).

 5. Pair ARV system with 1 air handling unit connected to one outdoor unit system

 6. Multiple air handling main (ARV) EVERATION (STAN).

 7. The allowable minimum length is 5-90.

 8. Mix of air handling unit (EXEXIVA-EVERATION (STAN).

- Up to -3 piping branches are possible in case of an AHU with an interlaced heat exchanger.