

NetworkAIR® FM Precision Air Conditioner Installation — Errata



See also

The tables on this page replace the “Length of common valves and fittings” table on page 48 of the NetworkAIR FM Precision Air Conditioner Installation manual (990-1138A). For detailed installation information please refer to the installation manual.

ASHRAE refrigerant equivalent lengths for fittings and valves standards

Size of Pipe in Inches	Type of Fitting or Valve - Equivalent Length of Pipe in Feet				
	Gate Valve	Std. Elbow 90°	Reduced Coupling	Side Outlet “T”	Angle Valve
1/2	0.7	1.6	1.6	3.0	7.0
3/4	0.9	2.0	2.0	4.0	9.0
1	1.0	2.6	2.6	5.0	12.0
1-1/4	1.5	3.3	3.3	7.0	15.0
1-1/2	1.8	4.0	4.0	8.0	18.0
2	2.3	5.0	5.0	10.0	24.0
2-1/2	2.8	6.0	6.0	12.0	29.0
3	3.2	7.5	7.5	15.0	35.0

ASHRAE equivalent lengths for fittings and valves standards (6ft/s water)

Size of Pipe in Inches	Type of Fitting or Valve - Equivalent Length of Pipe in Feet						
	Std Elbow 90°	Long Turn Elbow 90°	Reduced Coupling	Gate Valve	Globe Valve	Tee Branch [†]	Tee Line [†]
1/2	1.7	0.9	0.7	1.2	28.9	4.1	1.5
3/4	2.3	1.2	0.9	1.6	39.1	5.6	2.4
1	3.0	1.5	1.2	2.1	51.0	6.7	3.4
1-1/4	4.0	2.0	1.6	2.8	68.0	8.2	4.4
1-1/2	4.7	2.4	1.9	3.3	79.9	9.6	5.4
2	6.0	3.0	2.4	4.2	102.0	11.9	7.7
2-1/2	7.2	3.6	2.9	5.0	122.4	14.5	10.1
3	8.9	4.5	3.6	6.2	151.3	16.7	12.6
3-1/2	10.3	5.2	4.1	7.2	175.1	20.2	15.2
4	11.4	5.7	4.6	8.0	193.8	21.8	17.9

[†]Screwed pipe fitting

Corrected Information



See also

The table on this page provides the corrected information for the table “Recommended line sizes” on page 48 of NetworkAIR FM Precision Air Conditioner Installation Manual (990-1138A). For detailed installation information please refer to the installation manual.

Recommended line sizes

Equivalent Length ft (m)	Line type	FM35	FM40	FM50
50 (15)	Discharge Line (horizontal)	1-1/8	1-1/8	1-3/8
	Discharge Line (vertical)	7/8	7/8	1-1/8
	Liquid Line	7/8	7/8	7/8
	Flooded condenser to receiver	1-1/8	1-1/8	1-1/8
100 (30)	Discharge Line (horizontal)	1-1/8	1-3/8	1-3/8
	Discharge Line (vertical)	7/8	7/8	1-1/8
	Liquid Line	7/8	7/8	7/8
	Flooded condenser to receiver	1-1/8	1-1/8	1-1/8
150 (46)	Discharge Line (horizontal)	1-1/8	1-3/8	1-5/8
	Discharge Line (vertical)	7/8	7/8	1-1/8
	Liquid Line	7/8	7/8	1-1/8
	Flooded condenser to receiver	1-1/8	1-1/8	1-1/8
200 (61)	Discharge Line (horizontal)	1-1/8	1-3/8	1-5/8
	Discharge Line (vertical)	7/8	7/8	1-1/8
	Liquid Line	7/8	7/8	1-1/8
	Flooded condenser to receiver	1-1/8	1-1/8	1-1/8

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