



TECHNICAL SERVICE DEPARTMENT
Technical Service Bulletin
1-800-432-8373



2 Inch PowerVent Venting table

MAXIMUM AND MINIMUM VENT LENGTHS

Venting Information for 2" Vents* (40,000 BTU Units ONLY)

Number of 90° Elbows with Vent Terminal	Number of 45° Elbows	Minimum Pipe Length Req. (ft)	Maximum Pipe Length (ft)
One (1)	None	3.00	32.00
One (1)	One (1)	3.00	29.00
Two (2)	None	3.00	26.00
Two (2)	One (1)	3.00	23.00
Three (3)	None	3.00	20.00

* For the 2" vent, one 90° elbow is approximately equal to 6 feet of pipe. One 45° elbow is approximately equal to 3 feet of pipe.

Venting Information for 3" Vents (40,000 BTU Units ONLY)**

Number of 90° Elbows with Vent Terminal	Number of 45° Elbows	Minimum Pipe Length Req. (ft)	Maximum Pipe Length (ft)
One (1)	None	3.00	70.00
One (1)	One (1)	3.00	67.50
Two (2)	None	3.00	65.00
Two (2)	One (1)	3.00	62.50
Three (3)	None	3.00	60.00
Three (3)	One (1)	3.00	57.50
Four (4)	None	3.00	55.00
Four (4)	One (1)	3.00	52.50
Five (5)	None	3.00	50.00

** For the 3" vent, one 90° elbow is approximately equal to 5 feet of pipe. One 45° elbow is approximately equal to 2.5 feet of pipe.

NOTES: (40,000 BTU Units ONLY)

The mixing of 2" and 3" vent pipe is not recommended. If 3" pipe is used, a 2" to 3" bell coupling is recommended at the rubber coupling.

40,000 BTU units are supplied with a two-inch Schedule 40 PVC 45° vent terminal. If you decide to vent with 3" pipe, a Schedule 40 DWV PVC 45° vent terminal must be used. For your convenience we have included a screen for both 2" and 3" vent terminals. (See Figure 9.)

Venting Information for 3" Vents* (55,000 BTU Units ONLY)**

Number of 90° Elbows with Vent Terminal	Number of 45° Elbows	Minimum Pipe Length Req. (ft)	Maximum Pipe Length (ft)
One (1)	None	3.00	45.00
One (1)	One (1)	3.00	42.50
Two (2)	None	3.00	40.00
Two (2)	One (1)	3.00	37.50
Three (3)	None	3.00	35.00

*** For the 3" vent, one 90° elbow is approximately equal to 5 feet of pipe. One 45° elbow is approximately equal to 2.5 feet of pipe.

Venting Information for 4" Vents** (55,000 BTU Units ONLY)**

Number of 90° Elbows with Vent Terminal	Number of 45° Elbows	Minimum Pipe Length Req. (ft)	Maximum Pipe Length (ft)
One (1)	None	3.00	65.00
One (1)	One (1)	3.00	62.50
Two (2)	None	3.00	60.00
Two (2)	One (1)	3.00	57.50
Three (3)	None	3.00	55.00
Three (3)	One (1)	3.00	52.50
Four (4)	None	3.00	50.00
Four (4)	One (1)	3.00	47.50
Five (5)	None	3.00	45.00

**** For the 4" vent, one 90° elbow is approximately equal to 5 feet of pipe. One 45° elbow is approximately equal to 2.5 feet of pipe.

NOTES: (55,000 BTU Units ONLY)

The mixing of 3" and 4" vent pipe is not recommended. If 4" pipe is used, a 3" to 4" bell coupling is recommended at the rubber coupling.

55,000 BTU units are supplied with a three-inch Schedule 40 PVC 45° vent terminal. If you decide to vent with 4" pipe, a Schedule 40 DWV PVC 45° vent terminal must be used. For your convenience we have included a screen for both 3" and 4" vent terminals. (See Figure 9.)

Two (2) 45-degree elbows may be substituted for one (1) 90-degree elbow. Therefore, you can have 3-90 degree elbows with the termination cap or 6-45 degree elbows with the termination cap or any combination with a termination cap