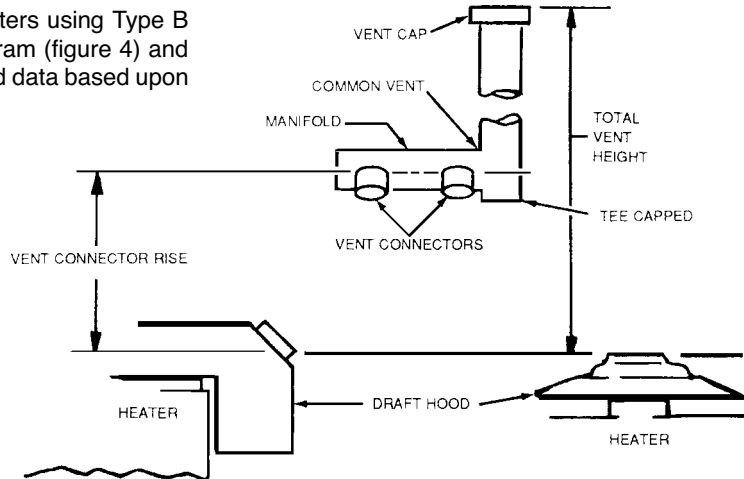


**TYPE B GAS VENT**  
**Multiple Gas Fired Tank-Type Heaters**

When venting multiple tank type heaters using Type B vent pipe, follow the installation diagram (figure 4) and the tables below which give sizing and data based upon NFPA 54/ANSI Z223.1992.



**MODEL BTR-120** **19.1**

Input: 120,000 Btuh  
 Draft Hood: 5"

		Total Vent Height (Feet)								
		6	8	10	15	20	30	50	100	
	<b>Input BTUH</b>	<b>Vent Connector Diameter (in inches)</b>								
	120,000	7	7	7	6	6	6	6	6	
	120,000	6	6	6	6	6	6	6	5	
	<b>Rise</b>	<b>Vent Connector Diameter (in inches)</b>								
	1 Ft.	7	7	7	6	6	6	6	6	
	2 Ft.	6	6	6	6	6	6	6	5	
	<b>Number of Heaters</b>	<b>Manifold And Common Vent Diameter (in inches)</b>								
	2	10	8	8	7	7	7	6	7	
	3	10	10	10	10	8	8	7	7	
4	12	12	12	10	10	10	8	8		

**MODEL BTR-154** **19.2**

Input: 154,000 Btuh  
 Draft Hood: 6"

		Total Vent Height (Feet)								
		6	8	10	15	20	30	50	100	
	<b>Input BTUH</b>	<b>Vent Connector Diameter (in inches)</b>								
	154,000	8	8	7	7	7	7	7	7	
	154,000	7	7	7	7	7	6	6	6	
	<b>Rise</b>	<b>Vent Connector Diameter (in inches)</b>								
	1 Ft.	8	8	7	7	7	7	7	7	
	2 Ft.	7	7	7	6	6	6	6	6	
	<b>Number of Heaters</b>	<b>Manifold And Common Vent Diameter (in inches)</b>								
	2	10	10	10	8	8	7	7	7	
	3	12	12	12	10	10	10	8	8	
4	14	14	12	12	12	10	10	10		

**MODEL BTR-179, 197, 198, 199, 200** **19.3**

Input: 179,000, 197,000, 190,000, 199,000 Btuh  
 Draft Hood: 6"

		Total Vent Height (Feet)								
		6	8	10	15	20	30	50	100	
	<b>Input BTUH</b>	<b>Vent Connector Diameter (in inches)</b>								
	179,000	8	8	8	8	8	7	7	7	
	190,000	---	8	8	8	8	8	7	7	
	197,000	---	---	8	8	8	8	7	7	
	199,000	---	---	8	8	8	8	8	7	
	179,000	8	8	7	7	7	7	7	7	
	190,000	8	8	8	7	7	7	7	7	
	197/199,000	8	8	8	8	7	7	7	7	
	179,000	7	7	7	7	7	7	6	6	
	190,000	8	7	7	7	7	7	6	6	
	197,000	8	7	7	7	7	7	7	6	
	199,000	8	8	7	7	7	7	7	6	
	<b>Number of Heaters</b>	<b>Manifold &amp; Common Vent Diameter</b>								
	2	10	10	10	10	8	8	7	7	
	3	12	10	10	10	10	8	7	7	
	4	12	10	10	10	10	8	8	7	
	3	14	12	12	12	10	10	10	8	
	4	14	12	12	12	10	10	10	10	
	5	14	14	12	12	12	10	10	10	
	4	14	14	14	12	12	12	10	10	
	5	16	14	14	14	12	12	10	10	
	6	16	14	14	14	12	12	12	10	

# TECHNICAL DATA VENTING

MODEL BTR- 240, 250, 251			19.4							
Input: BTR-240,000, 250,000, 251,000			Total Vent Height (Feet)							
Draft Hood: 6"			6	8	10	15	20	30	50	100
Number of Heaters	Input BTUH	Rise	Vent Connector Diameter (in inches)							
	240/250/251,000	1 Ft.	---	---	---	---	---	---	8	8
	240,000	2 Ft.	---	---	---	8	8	8	8	7
	250/251,000		---	---	---	8	8	8	8	8
	240,000	3 Ft.	8	8	8	8	8	7	7	7
250/251,000		---	8	8	8	8	8	7	7	
Number of Heaters	Combined Input In Thousands Of BTUH	Manifold & Common Vent Diameter								
2	480	14	12	12	10	10	10	8	8	
	500/502	14	12	12	10	10	10	10	8	
3	720	14	14	14	12	12	12	10	10	
	750/753	16	14	14	14	12	12	10	10	
4	960/1000/1004	18	16	16	14	14	14	12	12	

MODEL BTR- 275			20.1							
Input: 275,000 Btuh			Total Vent Height (Feet)							
Draft Hood: 6"			6	8	10	15	20	30	50	100
Number of Heaters	Input BTUH	Rise	Vent Connector Diameter (in inches)							
	275,000	2 Ft.	---	---	---	---	---	8	8	8
	275,000	3 Ft.	---	---	---	8	8	8	8	8
Number of Heaters	Combined Input In Thousands Of BTUH	Manifold & Common Vent Diameter (Inches)								
2	550	---	---	---	12	10	10	10	10	
3	825	---	---	---	14	14	12	12	10	
4	1100	---	---	---	16	14	14	12	12	

MODEL BTR-305			20.2							
Input: 390,000 Btuh			Total Vent Height (Feet)							
Draft Hood: 8"			6	8	10	15	20	30	50	100
Number of Heaters	Input BTUH	Rise	Vent Connector Diameter (in inches)							
	275,000	1 Ft.	---	---	10	10	10	10	10	10
	275,000	2 Ft.	10	10	10	10	10	10	8	8
	275,000	3 Ft.	10	10	10	10	10	8	8	8
Number of Heaters	Combined Input In Thousands Of BTUH	Manifold & Common Vent Dia. (Inches)								
2	610	14	14	12	12	12	10	10	10	
3	915	16	16	16	14	14	12	12	12	
4	1220	18	18	16	16	16	14	14	12	

MODEL BTR-365, 400			20.3							
Input: 365,000, 390,000 Btuh			Total Vent Height (Feet)							
Draft Hood: 8"			6	8	10	15	20	30	50	100
Number of Heaters	Input BTUH	Rise	Vent Connector Diameter (in inches)							
	365,000	1 Ft.	---	---	---	---	---	10	10	10
	400,000		---	---	---	---	---	---	10	10
	365,000	2 Ft.	12	12	10	10	10	10	10	10
	400,000		12	12	12	12	10	10	10	10
	365,000	3 Ft.	10	10	10	10	10	10	10	10
400,000		12	10	10	10	10	10	10	10	
Number of Heaters	Combined Input In Thousands Of BTUH	Manifold & Common Vent Diameter (Inches)								
2	730	14	14	14	12	12	12	10	10	
	800	16	14	14	14	12	12	10	10	
3	1095	18	18	16	16	14	14	12	12	
	1200	18	18	18	16	16	14	14	12	
4	1460	20	20	18	18	16	16	14	12	
	1600	22	20	20	18	18	16	14	14	

MODEL BTR- 500			20.4							
Input: 500,000 Btuh			Total Vent Height (Feet)							
Draft Hood: 8"			6	8	10	15	20	30	50	100
Number of Heaters	Input BTUH	Rise	Vent Connector Diameter (in inches)							
	500,000	2 Ft.	---	12	12	12	12	12	12	12
	500,000	4 Ft.	12	12	12	12	12	12	10	10
	500,000	6 Ft.	N/A	12	12	12	12	12	10	10
Number of Heaters	Combined Input In Thousands Of BTUH	Manifold & Common Vent Diameter (Inches)								
2	1000	18	16	16	14	14	14	12	12	
3	1500	22	20	20	18	16	16	14	12	
4	2000	24	22	22	20	20	18	16	14	