

Mfr's minimum recommendations

Below minimum recommendation

Exceeds diameter of supply tapping

XXX not enough supply tapplings for this number of risers

Enter pressure (psig)

to calculate at here → 0

Enter Specific Volume in

cubic feet (ft³) here → 26.8

					Riser Diameter And Count						Header Diameter					
					2"	2-1/2"	2"	3"	2-1/2"	3"	2"	2-1/2"	3"	4"	5"	6"
Diameter (sch 40)					3.36	4.78	3.36	7.39	4.78	7.39	3.36	4.78	7.39	12.73	19.99	28.89
Internal area																
number of Risers					1	1	2	1	2	2						
					Steam Velocity in Risers (in ft/sec)						Steam Velocity in Header (in ft/sec)					
Make	Model	Fuel	Model #	Boiler output (lbs/hr)												
Burnham	Independence	Gas	IN3I	53	16.9	11.9	8.5	7.7	5.9	3.8	16.9	11.9	7.7	4.5	2.8	2.0
Burnham	Independence	Gas	IN4I	91	29.0	20.4	14.5	13.2	10.2	6.6	29.0	20.4	13.2	7.7	4.9	3.4
Burnham	Independence	Gas	IN5I	120	38.3	26.9	19.1	17.4	13.5	8.7	38.3	26.9	17.4	10.1	6.4	4.5
Burnham	Independence	Gas	IN6I	150	47.9	33.6	23.9	21.8	16.8	10.9	47.9	33.6	21.8	12.6	8.0	5.6
Burnham	Independence	Gas	IN7I	180	57.4	40.4	28.7	26.1	20.2	13.1	57.4	40.4	26.1	15.2	9.7	6.7
Burnham	Independence	Gas	IN8I	210	67.0	47.1	33.5	30.5	23.5	15.2	67.0	47.1	30.5	17.7	11.3	7.8
Burnham	Independence	Gas	IN9I	241	76.9	54.0	38.4	35.0	27.0	17.5	76.9	54.0	35.0	20.3	12.9	8.9
Burnham	Independence	Gas	IN10-I	260	83.0	58.3	41.5	37.7	29.2	18.9	83.0	58.3	37.7	21.9	13.9	9.6
Burnham	Independence	Gas	IN11-I	289	92.2	64.8	46.1	41.9	32.4	21.0	92.2	64.8	41.9	24.3	15.5	10.7
Burnham	Independence	Gas	IN12-I	319	101.8	71.5	50.9	46.3	35.8	23.1	101.8	71.5	46.3	26.9	17.1	11.8
Crown	Bermuda Series	Gas	BSI069	57	18.2	12.8	9.1	8.3	6.4	4.1	18.2	12.8	8.3	4.8	3.1	2.1
Crown	Bermuda Series	Gas	BSI103	85	27.1	19.1	13.6	12.3	9.5	6.2	27.1	19.1	12.3	7.2	4.6	3.2
Crown	Bermuda Series	Gas	BSI138	113	36.1	25.3	18.0	16.4	12.7	8.2	36.1	25.3	16.4	9.5	6.1	4.2
Crown	Bermuda Series	Gas	BSI172	142	45.3	31.8	22.7	20.6	15.9	10.3	45.3	31.8	20.6	12.0	7.6	5.3
Crown	Bermuda Series	Gas	BSI207	171	54.6	38.3	27.3	24.8	19.2	12.4	54.6	38.3	24.8	14.4	9.2	6.3
Crown	Bermuda Series	Gas	BSI241	199	63.5	44.6	31.7	28.9	22.3	14.4	63.5	44.6	28.9	16.8	10.7	7.4
Crown	Bermuda Series	Gas	BSI276	229	73.1	51.4	36.5	33.2	25.7	16.6	73.1	51.4	33.2	19.3	12.3	8.5
Crown	Bermuda Series	Gas	BSI311	240	76.6	53.8	38.3	34.8	26.9	17.4	76.6	53.8	34.8	20.2	12.9	8.9
Crown	Bermuda Series	Gas	BSI346	267	85.2	59.9	42.6	38.7	29.9	19.4	85.2	59.9	38.7	22.5	14.3	9.9
Crown	Bermuda Series	Gas	BSI380	294	93.8	65.9	46.9	42.6	33.0	21.3	93.8	65.9	42.6	24.8	15.8	10.9
New Yorker	CGS-C Series	Gas	CGS30C	58	18.5	13.0	9.3	8.4	6.5	4.2	18.5	13.0	8.4	4.9	3.1	2.2
New Yorker	CGS-C Series	Gas	CGS40C	88	28.1	19.7	14.0	12.8	9.9	6.4	28.1	19.7	12.8	7.4	4.7	3.3
New Yorker	CGS-C Series	Gas	CGS50C	118	37.6	26.5	18.8	17.1	13.2	8.6	37.6	26.5	17.1	9.9	6.3	4.4
New Yorker	CGS-C Series	Gas	CGS60C	148	47.2	33.2	23.6	21.5	16.6	10.7	47.2	33.2	21.5	12.5	7.9	5.5
New Yorker	CGS-C Series	Gas	CGS70C	178	56.8	39.9	28.4	25.8	20.0	12.9	56.8	39.9	25.8	15.0	9.5	6.6
New Yorker	CGS-C Series	Gas	CGS80C	207	66.0	46.4	33.0	30.0	23.2	15.0	66.0	46.4	30.0	17.4	11.1	7.7