

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"	
					Internal area	3.36	4.78	3.36	7.39	4.78	7.39	3.36	4.78	7.39	12.73	19.99	28.89
					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)													
Weil-McLain	EG Gas Boiler	Gas	EG-30-S	62	19.8	13.9	9.9	9.0	7.0	4.5	19.8	13.9	9.0	5.2	3.3	2.3	
Weil-McLain	EG Gas Boiler	Gas	EG-35-S	86	27.4	19.3	13.7	12.5	9.6	6.2	27.4	19.3	12.5	7.2	4.6	3.2	
Weil-McLain	EG Gas Boiler	Gas	EG-40-S	108	34.5	24.2	17.2	15.7	12.1	7.8	34.5	24.2	15.7	9.1	5.8	4.0	
Weil-McLain	EG Gas Boiler	Gas	EG-45-S	130	41.5	29.2	20.7	18.9	14.6	9.4	41.5	29.2	18.9	10.9	7.0	4.8	
Weil-McLain	EG Gas Boiler	Gas	EG-50-S	151	48.2	33.9	24.1	21.9	16.9	11.0	48.2	33.9	21.9	12.7	8.1	5.6	
Weil-McLain	EG Gas Boiler	Gas	EG-55-S	174	55.5	39.0	27.8	25.2	19.5	12.6	55.5	39.0	25.2	14.7	9.3	6.5	
Weil-McLain	EG Gas Boiler	Gas	EG-65-S	218	69.6	48.9	34.8	31.6	24.4	15.8	69.6	48.9	31.6	18.4	11.7	8.1	
Weil-McLain	EG Gas Boiler	Gas	EG-75-S	259	82.6	58.1	41.3	37.6	29.0	18.8	82.6	58.1	37.6	21.8	13.9	9.6	
Weil-McLain	EG Gas Boiler	Gas	EGH-85-S	253	80.7	56.7	40.4	36.7	28.4	18.4	80.7	56.7	36.7	21.3	13.6	9.4	
Weil-McLain	EG Gas Boiler	Gas	EGH-95-S	290	92.5	65.0	46.3	42.1	32.5	21.0	92.5	65.0	42.1	24.4	15.6	10.8	
Weil-McLain	EG Gas Boiler	Gas	EGH-105-S	325	103.7	72.9	51.8	47.1	36.4	23.6	103.7	72.9	47.1	27.4	17.4	12.1	
Weil-McLain	EG Gas Boiler	Gas	EGH-115-S	361	115.2	81.0	57.6	52.4	40.5	26.2	115.2	81.0	52.4	30.4	19.4	13.4	
Weil-McLain	EG Gas Boiler	Gas	EGH-125-S	398	127.0	89.3	63.5	57.7	44.6	28.9	127.0	89.3	57.7	33.5	21.3	14.8	

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					Internal area	3.36	4.78	3.36	7.39	4.78	7.39	3.36	4.78	7.39	12.73	19.99	28.89
					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)													
Union Steam	GSA **	Gas	GSA-075	65	20.7	14.6	10.4	9.4	7.3	4.7	20.7	14.6	9.4	5.5	3.5	2.4	
Union Steam	GSA **	Gas	GSA-100	86	27.4	19.3	13.7	12.5	9.6	6.2	27.4	19.3	12.5	7.2	4.6	3.2	
Union Steam	GSA **	Gas	GSA-125	108	34.5	24.2	17.2	15.7	12.1	7.8	34.5	24.2	15.7	9.1	5.8	4.0	
Union Steam	GSA **	Gas	GSA-150	130	41.5	29.2	20.7	18.9	14.6	9.4	41.5	29.2	18.9	10.9	7.0	4.8	
Union Steam	GSA **	Gas	GSA-175	151	48.2	33.9	24.1	21.9	16.9	11.0	48.2	33.9	21.9	12.7	8.1	5.6	
Union Steam	GSA **	Gas	GSA-200	174	55.5	39.0	27.8	25.2	19.5	12.6	55.5	39.0	25.2	14.7	9.3	6.5	
Union Steam	GSA **	Gas	GSA-250	218	69.6	48.9	34.8	31.6	24.4	15.8	69.6	48.9	31.6	18.4	11.7	8.1	
Williamson	GSA **	Gas	GSA-075	65	20.7	14.6	10.4	9.4	7.3	4.7	20.7	14.6	9.4	5.5	3.5	2.4	
Williamson	GSA **	Gas	GSA-100	86	27.4	19.3	13.7	12.5	9.6	6.2	27.4	19.3	12.5	7.2	4.6	3.2	
Williamson	GSA **	Gas	GSA-125	108	34.5	24.2	17.2	15.7	12.1	7.8	34.5	24.2	15.7	9.1	5.8	4.0	
Williamson	GSA **	Gas	GSA-150	130	41.5	29.2	20.7	18.9	14.6	9.4	41.5	29.2	18.9	10.9	7.0	4.8	
Williamson	GSA **	Gas	GSA-175	151	48.2	33.9	24.1	21.9	16.9	11.0	48.2	33.9	21.9	12.7	8.1	5.6	
Williamson	GSA **	Gas	GSA-200	174	55.5	39.0	27.8	25.2	19.5	12.6	55.5	39.0	25.2	14.7	9.3	6.5	
Williamson	GSA **	Gas	GSA-250	218	69.6	48.9	34.8	31.6	24.4	15.8	69.6	48.9	31.6	18.4	11.7	8.1	
Williamson	GSA **	Gas	GSA-300	257	82.0	57.6	41.0	37.3	28.8	18.6	82.0	57.6	37.3	21.6	13.8	9.5	

It's not clear from the IOM's whether the Union Steam and Williamson GSA models have a second supply tapping **