

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)													
Smith	8HE Series	Oil	8HE-3L	124	39.6	27.8	XXX	18.0	XXX	XXX	39.6	27.8	18.0	10.4	6.6	4.6	
Smith	8HE Series	Oil	8HE-3H	153	48.8	34.3	XXX	22.2	XXX	XXX	48.8	34.3	22.2	12.9	8.2	5.7	
Smith	8HE Series	Oil	8HE-4L	182	58.1	40.8	XXX	26.4	XXX	XXX	58.1	40.8	26.4	15.3	9.8	6.8	
Smith	8HE Series	Oil	8HE-4H	219	69.9	49.1	XXX	31.8	XXX	XXX	69.9	49.1	31.8	18.4	11.7	8.1	
Smith	GSX Series	Gas	GSX-88	77	24.6	17.3	12.3	11.2	8.6	5.6	24.6	17.3	11.2	6.5	4.1	2.9	
Smith	GSX Series	Gas	GSX-118	102	32.5	22.9	16.3	14.8	11.4	7.4	32.5	22.9	14.8	8.6	5.5	3.8	
Smith	GSX Series	Gas	GSX-147	128	40.8	28.7	20.4	18.6	14.4	9.3	40.8	28.7	18.6	10.8	6.9	4.7	
Smith	GSX Series	Gas	GSX-177	153	48.8	34.3	24.4	22.2	17.2	11.1	48.8	34.3	22.2	12.9	8.2	5.7	
Smith	GSX Series	Gas	GSX-206	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	
Smith	GSX Series	Gas	GSX-236	204	65.1	45.8	32.5	29.6	22.9	14.8	65.1	45.8	29.6	17.2	10.9	7.6	
Smith	GSX Series	Gas	GSX-288	248	79.1	55.6	39.6	36.0	27.8	18.0	79.1	55.6	36.0	20.9	13.3	9.2	