

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→

Enter Specific Volume in

cubic feet (ft³) here→

| | | | | | 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) | | | | | | | | | | | | | |
| Peerless | Series 63 | Gas | 63-03L | 74 | 23.6 | 16.6 | 11.8 | 10.7 | 8.3 | 5.4 | 23.6 | 16.6 | 10.7 | 6.2 | 4.0 | 2.7 | |
| Peerless | Series 63 | Gas | 63-03 | 98 | 31.3 | 22.0 | 15.6 | 14.2 | 11.0 | 7.1 | 31.3 | 22.0 | 14.2 | 8.3 | 5.3 | 3.6 | |
| Peerless | Series 63 | Gas | 63-04L | 123 | 39.2 | 27.6 | 19.6 | 17.8 | 13.8 | 8.9 | 39.2 | 27.6 | 17.8 | 10.4 | 6.6 | 4.6 | |
| Peerless | Series 63 | Gas | 63-04 | 147 | 46.9 | 33.0 | 23.5 | 21.3 | 16.5 | 10.7 | 46.9 | 33.0 | 21.3 | 12.4 | 7.9 | 5.5 | |
| Peerless | Series 63 | Gas | 63-05L | 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 | |
| Peerless | Series 63 | Gas | 63-05 | 196 | 62.5 | 44.0 | 31.3 | 28.4 | 22.0 | 14.2 | 62.5 | 44.0 | 28.4 | 16.5 | 10.5 | 7.3 | |
| Peerless | Series 63 | Gas | 63-06 | 238 | 75.9 | 53.4 | 38.0 | 34.5 | 26.7 | 17.3 | 75.9 | 53.4 | 34.5 | 20.0 | 12.8 | 8.8 | |
| Peerless | Series 64 | Gas | 64-07 | 274 | 87.4 | 61.4 | 43.7 | 39.7 | 30.7 | 19.9 | 87.4 | 61.4 | 39.7 | 23.1 | 14.7 | 10.2 | |
| Peerless | Series 64 | Gas | 64-08 | 318 | 101.5 | 71.3 | 50.7 | 46.1 | 35.7 | 23.1 | 101.5 | 71.3 | 46.1 | 26.8 | 17.1 | 11.8 | |
| Peerless | Series 64 | Gas | 64-09 | 367 | 117.1 | 82.3 | 58.5 | 53.2 | 41.2 | 26.6 | 117.1 | 82.3 | 53.2 | 30.9 | 19.7 | 13.6 | |
| Peerless | Series 64 | Gas | 64-10 | 413 | 131.8 | 92.6 | 65.9 | 59.9 | 46.3 | 30.0 | 131.8 | 92.6 | 59.9 | 34.8 | 22.1 | 15.3 | |
| Peerless | Series 64 | Gas | 64-11 | 459 | 146.4 | 102.9 | 73.2 | 66.6 | 51.5 | 33.3 | 146.4 | 102.9 | 66.6 | 38.7 | 24.6 | 17.0 | |
| Peerless | Series 64 | Gas | 64-12 | 506 | 161.4 | 113.5 | 80.7 | 73.4 | 56.7 | 36.7 | 161.4 | 113.5 | 73.4 | 42.6 | 27.1 | 18.8 | |

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) | | | | | | | | | | | | | |
| Peerless | Series WBV | Oil | WBV-03-085-S | 107 | 34.1 | 24.0 | XXX | 15.5 | XXX | XXX | 34.1 | 24.0 | 15.5 | 9.0 | 5.7 | 4.0 | |
| Peerless | Series WBV | Oil | WBV-03-105-S | 129 | 41.2 | 28.9 | XXX | 18.7 | XXX | XXX | 41.2 | 28.9 | 18.7 | 10.9 | 6.9 | 4.8 | |
| Peerless | Series WBV | Oil | WBV-04-125-S | 157 | 50.1 | 35.2 | XXX | 22.8 | XXX | XXX | 50.1 | 35.2 | 22.8 | 13.2 | 8.4 | 5.8 | |
| Peerless | Series WBV | Oil | WBV-04-150-S | 186 | 59.3 | 41.7 | XXX | 27.0 | XXX | XXX | 59.3 | 41.7 | 27.0 | 15.7 | 10.0 | 6.9 | |
| Peerless | Series EC | Oil | EC(T)-03-075 | 95 | 30.3 | 21.3 | 15.2 | 13.8 | 10.7 | 6.9 | 30.3 | 21.3 | 13.8 | 8.0 | 5.1 | 3.5 | |
| Peerless | Series EC | Oil | EC(T)-03-100 | 125 | 39.9 | 28.0 | 19.9 | 18.1 | 14.0 | 9.1 | 39.9 | 28.0 | 18.1 | 10.5 | 6.7 | 4.6 | |
| Peerless | Series EC | Oil | EC(T)-03-120 | 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 | |
| Peerless | Series EC | Oil | EC(T)-04-125 | 157 | 50.1 | 35.2 | 25.0 | 22.8 | 17.6 | 11.4 | 50.1 | 35.2 | 22.8 | 13.2 | 8.4 | 5.8 | |
| Peerless | Series EC | Oil | EC(T)-04-150 | 188 | 60.0 | 42.2 | 30.0 | 27.3 | 21.1 | 13.6 | 60.0 | 42.2 | 27.3 | 15.8 | 10.1 | 7.0 | |
| Peerless | Series EC | Oil | EC(T)-04-175 | 217 | 69.2 | 48.7 | 34.6 | 31.5 | 24.3 | 15.7 | 69.2 | 48.7 | 31.5 | 18.3 | 11.6 | 8.1 | |
| Peerless | Series EC | Oil | EC(T)-05-175 | 221 | 70.5 | 49.6 | 35.3 | 32.1 | 24.8 | 16.0 | 70.5 | 49.6 | 32.1 | 18.6 | 11.9 | 8.2 | |
| Peerless | Series EC | Oil | EC(T)-05-200 | 250 | 79.8 | 56.1 | 39.9 | 36.3 | 28.0 | 18.1 | 79.8 | 56.1 | 36.3 | 21.1 | 13.4 | 9.3 | |
| Peerless | Series EC | Oil | EC(T)-05-240 | 291 | 92.8 | 65.3 | 46.4 | 42.2 | 32.6 | 21.1 | 92.8 | 65.3 | 42.2 | 24.5 | 15.6 | 10.8 | |
| Peerless | Series EC | Oil | EC(T)-06-275 | 334 | 106.6 | 74.9 | 53.3 | 48.5 | 37.5 | 24.2 | 106.6 | 74.9 | 48.5 | 28.1 | 17.9 | 12.4 | |
| Peerless | Series EC | Oil | EC(T)-06-300 | 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 | |