

Technical Bulletin

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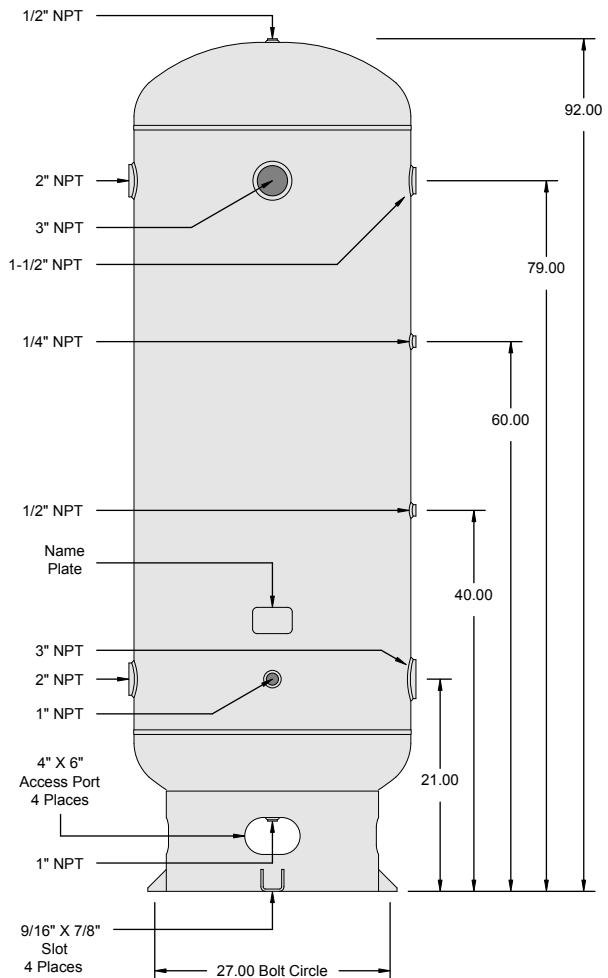
Sizing a Receiver

Much to-do is made over receiver sizing. If you do any research on the subject, you'll find all sorts of conflicting information. It's really tough to find a straightforward set of guidelines on how to select a receiver size. However, in the real world, if you're buying a compressor that is 30 HP or under, it will probably be delivered with an integral receiver as part of the package. As for compressors over 30 HP and base mounted units, the following chart (Fig 1) shows receiver sizes against compressor horsepower as appropriate for general purpose compressed air applications.

It should be noted that all receivers should be equipped with a pressure relief valve that is rated no higher than the maximum pressure rating on the receivers name plate.

Figure 1
Receiver Size Chart

Horse Power	Receiver Size (In Gallons)	Receiver Size (Cu. Ft.)
1	10	1.34
2	20	2.67
3	30	4.01
4	40	5.36
5	60	8.02
7-1/2	80	10.70
10	120	16.04
15	120	16.04
20	200	26.74
25	200	26.74
30	240	32.09
40	400	53.48
50	500	66.84
75	1060	141.71
100	1550	207.22
200	2560	342.25
250	3000	401.07
350	3800	508.02
500	5000	668.45



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240 Gallon, 32 Cu. Ft.
Vertical Air Receiver
Weight: 670 Lbs.

AIR-OPTIONS, INC.