

PUBLIC ALARM EQUIPMENT

CAPACITIES

The Diaphone compressed air outfits are manufactured for three standard capacities as follows:

Type B, air reservoir dimensions, 36" x 108", having a capacity to sound approximately 340 blasts of one second duration at one-half second intervals with a main tank pressure of 150 pounds per square inch and a blowing pressure of 35 pounds per square inch at the horn.

Type D, air reservoir dimensions, 24" x 72", having a capacity to sound approximately 110 blasts of one second duration at one-half second intervals with a main tank pressure of 150 pounds per square inch and a blowing pressure of 35 pounds at the horn.

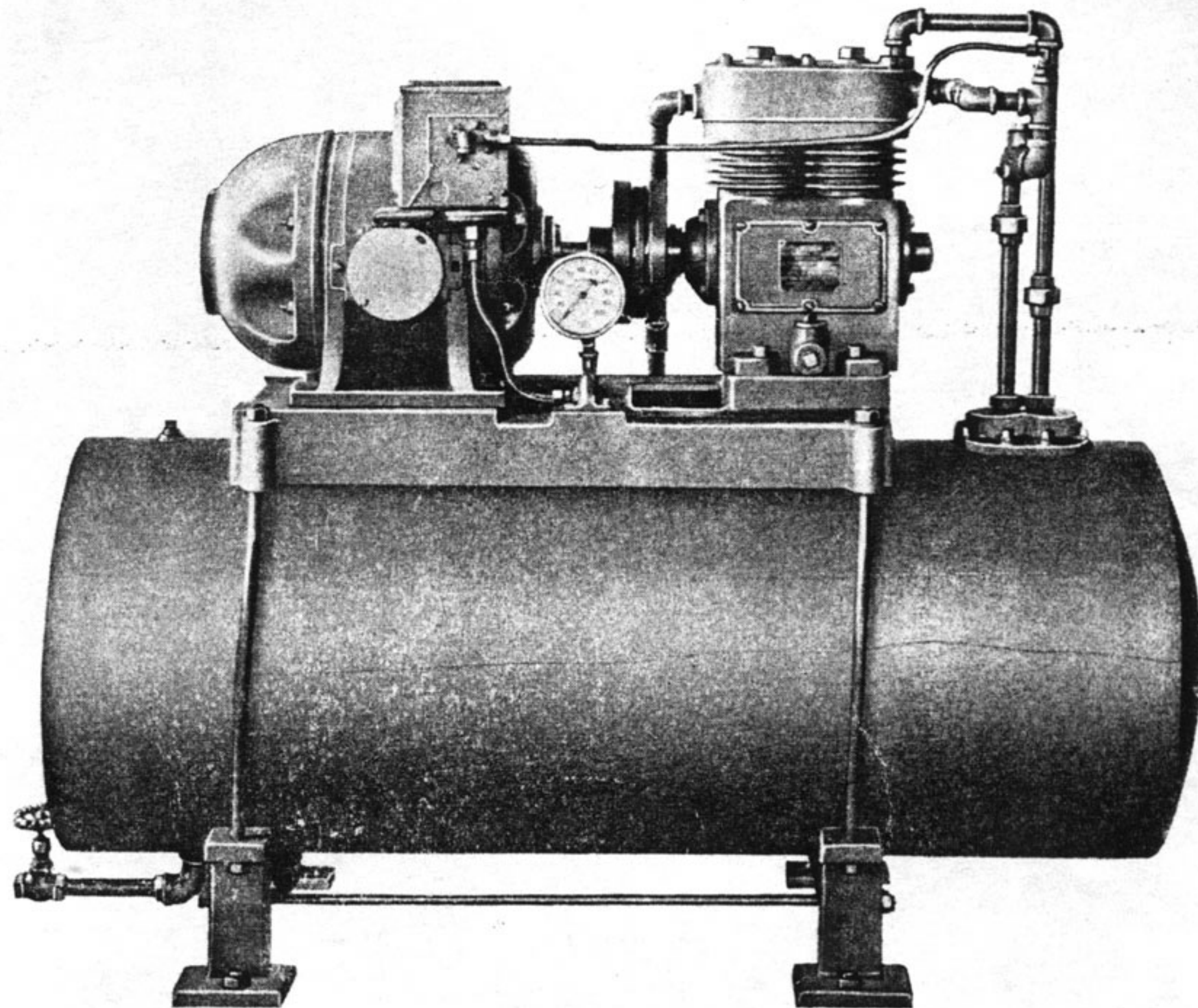
Type C, air reservoir dimensions, 48" x 120", having a capacity to sound approximately 230 blasts of one second duration at one-half second intervals with a blowing pressure of 35 pounds at the horn.

The Diaphone horns used with the Type B and D outfits are identical, and the only essential difference in

these two outfits is in the air storage capacity. The volume of sound and distance of sound penetration is equal.

The Diaphone horn used with the Type C outfit is designed to produce a greater volume of sound, but the effective range is not materially increased. The horn itself is larger and consumes more air than the horn used with the Type B and D outfits.

The sound penetration of the Diaphone horn varies with the topography of the surrounding country, but under favorable conditions has been distinctly heard for many miles. We know of no sound-producing device which can be guaranteed to produce a thorough noise saturation of any area under all topographical and atmospheric conditions, but the unequalled service record of the Diaphone during the past quarter of a century definitely establishes this device as the standard of excellence for emergency signaling purposes.



Motor Compressor — Sleeve Valve Type