



# How Large is a Cubic Foot of Air?

As air pressure is increased, each cubic foot of compressed air is squeezed smaller and smaller. This results in more compressed air flowing through each air device and leak.

The air compressors have to make this additional CFM capacity, the plant does not need this extra CFM capacity to operate, thus the term artificial demand.

PFE/BFC flow control valve provides constant pressure for constant performance of all operated devices and significant energy savings by reduced kilowatt of compressors.

## Size of 1 ft<sup>3</sup> of air



at 0 psig



at 100 psig



at 125 psig