

Energy

The main consideration for shock absorber configurations. Kinetic energy dictates the size requirement when the Airpot unit is to be used in the shock absorber (snubber) configuration. Maximum energy handling capability is simply a function of the volume of air that is forced out of the dashpot on each cycle. Equal volumes of expelled air will handle equal amounts of energy. Therefore, small diameters with long strokes can equal the energy capability of larger diameters with short strokes. The only difference is the rate at which the energy is dissipated relative to each increment of stroke. (See graph below)

