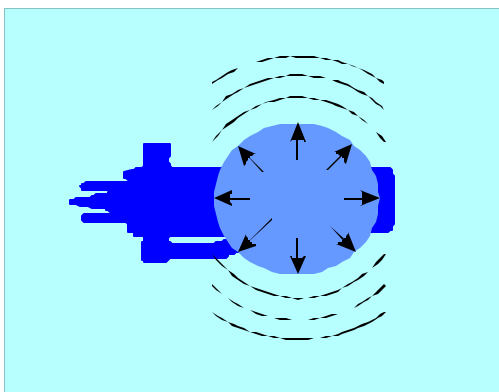


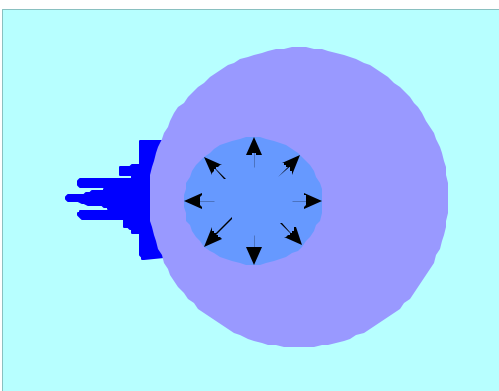


HOW IT WORKS



Phase 1:

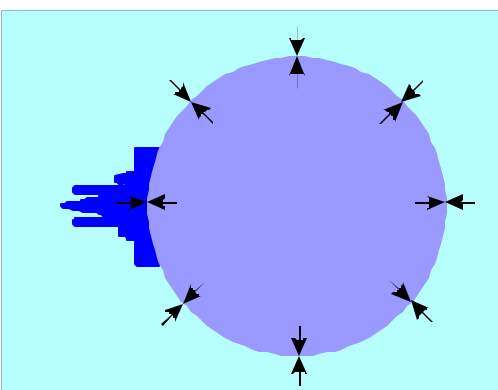
The GENERATOR is fired. The blast of compressed air produces the primary pulse and the bubble starts to expand.



Phase 2:

When the bubble approaches its maximum size, it encompasses the INJECTOR ports, and its internal pressure is far below the outside hydrostatic pressure.

At this time, the INJECTOR "I" is fired, injecting air directly inside the bubble. Due to the quasi-static state of the bubble, the timing of the INJECTOR is not critical.



Phase 3:

The volume of air released by the INJECTOR increases the internal pressure of the bubble, and prevents its violent collapse.

The oscillations of the bubble and the resulting secondary pressure pulses are reduced and re-shaped.