The components of a pneumatic circuit

- Attach fittings with Teflon tape. Use washers and nuts to attach cylinder to can and plastic cap.
- Schrader valve & fitting
- Bike pump
- Tubing
- Fitting with collet
- Accumulator (air tank)
- Brass tee with fittings
- Plastic tee
- Plastic cap attached to cylinder
- Drilled hole
- Control valve
- Pressure relief valve
- Pressure gauge
- Cylinder mounted in can
- Ball
Attach the cylinder in a hole drilled through the can (approx. ¼-in) 

Use a washer to stabilize the cylinder 

plastic tubing 

pneumatic cylinder 

drilled hole 

male fitting with collet for tubing
The outside of the paint can with the cylinder extended and supporting a tennis ball.

- Secure the plastic cap with a nut and washer on each side.
- Use a nut and washer to stabilize the cylinder.
- Use any small ball.
- one-gallon can (such as a paint or coffee can).