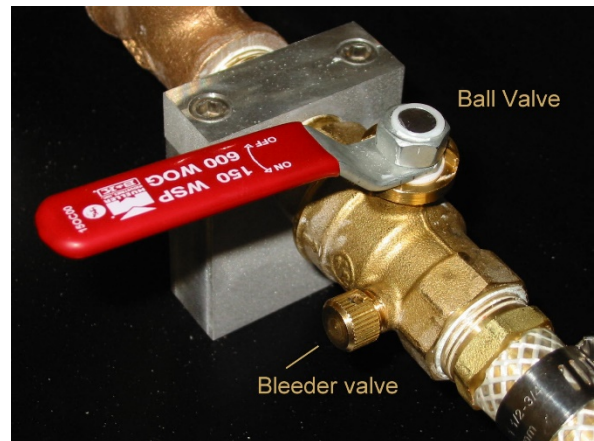
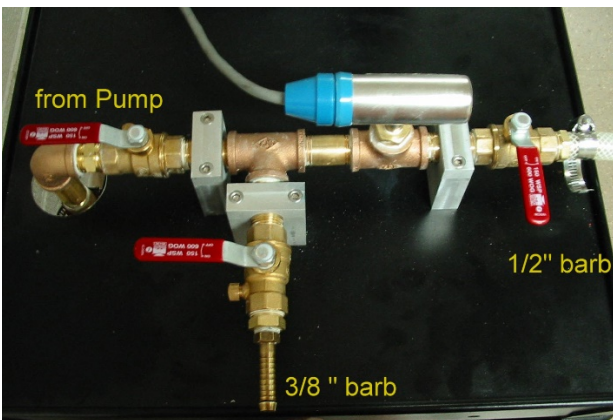


## Pump Cart



**Purpose:** General purpose vacuum pump.

The pump cart consists of a Lab fore pump connected to a valve manifold. A convection gauge monitors the manifold pressure. The

valves are positioned so you can isolate either the experiment or the pump. Two branches of the manifold provide barbs to fit either 3/8 or 1/2 inch ID hose.

So far, this is working well despite being constructed from plumbing supplies. The manifold itself can be pumped down to less than 100 mTorr.

**Note:** When you need to vent some attached chamber, first close off the ball valve and then use the little screw bleeder valve (see photo). This lets the air in slowly and gently.

**Extra Equipment:** None

**Location:** It is Cart M.