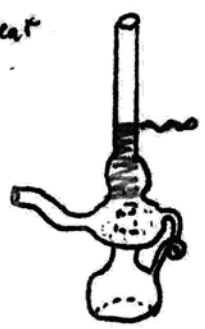


This pump was wrapped with #14 copper wire as a radiator. The wire was twisted into spikes to radiate heat



This pump will work well at 20 microns fore pressure and less so at 50 μ .

Butyl phthalate was used as pump fluid
See Review of Scientific Instruments 1930

Tolerance:
Normal Tolerance on tubing diameter. $\pm 10\%$ on other dimensions

would change this part to use Ehtlenmeyer glass.

Note!
glass thickness should be sufficient to withstand vacuum.

These corners to be generously rounded for maximum strength

Reference:
Review of Scientific Instruments 1930 page 180 Vol. 1.
Barr & Anhorn page 180

Diffusion Pump
Scale full size
Matl. Pyrex annealed.

Morris B Lee 294 Elm
Buffalo 3 N.Y.