

## Seed Recovery Jar – not enough vacuum

A problem vacuuming seed into the seed recovery jar may be caused by the brass filter (the old felt type filters should be replaced with the brass) in the seed recover jar being clogged with dust, even though it appears to be clean. Even blowing it off inside and out with compressed air will probably not fix the problem. This brass muffler/filter should be replaced periodically or as needed. It is a good idea to keep a spare on hand.

### BRASS Filters

Brass filters separate the seed from the air entering the seed recovery jar. There are two filter sizes depending on your jar and hose size. For the  $\frac{1}{4}$  inch (7mm) ID seed recovery hose the Small Mouth (about  $1\frac{3}{8}$  inches or 60mm diameter opening) seed recovery jar is used, although it is strongly suggested that you upgrade to the larger jar. Specify the small filter with the  $\frac{1}{4}$ " NPT.

For the Large Mouth (about  $2\frac{1}{2}$  inches or 65mm diameter opening) specify the larger filter with the  $\frac{3}{8}$ " NPT.

The brass muffler/filter is available from W.W. Grainger.

<http://www.grainger.com/Grainger/wwg/start.shtml>

- small brass muffler/filter # 1A326  $\frac{1}{4}$ " NPT
- large brass muffler/filter # 6F600  $\frac{3}{8}$ " NPT



Also make sure the glass jar is sealing against the gasket in the top of the seed recovery jar assembly and held tightly in place by the platform spring. Check that the rim of the jar is not chipped.

If the cylinder head has extra large holes, #20, #30 or even larger, you may find it helpful to install shut-off valves on the vacuum line connections at the cylinder head. These may be shut-off to direct maximum vacuum to the seed recovery jar/hose rather than some vacuum still going to the cylinder head. The easily installed valves are available from Blackmore but standard plumbing hardware may be used.