

A High Capacity Pool Vacuum Attachment, Version 1.0

By **R. G. Sparber**

Protected by Creative Commons.¹

Here in Phoenix, Arizona, we do not need a screened-in pool enclosure to keep the bugs out. Our pools are open to the sky, making them especially inviting.



Yeah, it invites dust storms that rain down dead leaves. Our robotic pool vacuum makes quick work of the odd leaf and does a good job removing dirt. But give it handfuls of leaves with sticks, and it comes to a grinding halt.



A common solution is to use a leaf bag on the end of a long rod. This is a slow process and doesn't do well with those sticks.



Removing the robotic pool vacuum leaves me with a floppy hose – useless for cleaning the bottom. Yet, I figured I was almost to a helpful solution.

¹ This work is licensed under the Creative Commons Attribution 4.0 International License. To view a copy of this license, visit <http://creativecommons.org/licenses/by/4.0/> or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.



I selected a 4-foot length of 1¼ inch PVC because it can't harm the pool and would not flop around.

My next concern was minimizing points where the leaves would clog. Inserting a pipe into the female hose fitting would severely decrease the opening's diameter.



Instead, I took a 1¼ inch coupler and opened out the inside diameter on my lathe so that it was a tight fit to the outer diameter of the female end of a spare hose length. About 0.02 inches had to come off. It took a bit to force the hose coupler in place, but it has not fallen out after many hours of use.



This simple tool makes quick work of the mess at the bottom of my pool.



It all collects in my in-line filter, easily dumped into a bucket.

With the filtration system set to maximum, I get into the pool and connect the hose. Then, I sweep the bottom with the pipe. It removes a basketball-sized clump of leaves in under a minute.

I welcome your comments and questions.

If you want me to contact you each time I publish an article, email me with “Subscribe” in the subject line. In the body of the email, please tell me if you are interested in metalworking, software plus electronics, kayaking, and/or the Lectric XP eBike so I can put you on the right distribution list.

If you are on a list and have had enough, email me “Unsubscribe” in the subject line. No hard feelings.

Rick Sparber

Rgsparber.ha@gmail.com

Rick.Sparber.org