Vacuum Pump - 12V

ROB-10398

4.6 out of 5 | 27

DESCRIPTION | FEATURES | DOCUMENTS

This vacuum pump really sucks! This pump operates at 12V and has enough suction for most small projects. We even used one to make our very own universal gripper using coffee grounds, balloon and some other parts.

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Vacuum Pump - 12V Product Help and Resources

VIDEOS | SUPPORT TIPS | SKILLS NEEDED

Universal Gripper from Robot
PUBLISHED ON OCTOBER 24, 2010

SparkFun Vacuum Pump Gripper
PUBLISHED ON FEBRUARY 17, 2011

COMMENTS 13 | REVIEWS 27

Customer Reviews

4.6 out of 5

Based on 27 ratings

5 star	19
4 star	6
3 star	2
2 star	0
1 star	0

Currently viewing all customer reviews.

5 of 5 found this helpful

★★★★★ Excellent replacement pump for a desoldering station

about 2 years ago by Member #719855 | verified purchaser

I purchased this pump when I could not find a rebuild kit for the vacuum pump on my desoldering station. I am very impressed. It has been working very well.

5 of 5 found this helpful

★★★★★ Works really well!!!

about 2 years ago by Super Jesse | verified purchaser

I bought this pump to turn a radio shack desoldering iron into a vacuum powered one-one and it has the perfect amount amount of suction!!! Now only if I could get a desoldering tip for my SparkFun branded iron ...

5 of 5 found this helpful

★★★★★ Great Pump

about 2 years ago by Member #691568 | verified purchaser

Using the pump for a personal project and it definitely serves its function. Not a lot of quality 12V pumps out there like this one.

2 of 2 found this helpful

★★★☆☆ Works but need more vacuum

about 2 years ago by Member #699462 | verified purchaser

The pump works well, but for our lab use, it needs to generate more vacuum. The spec states 16"Hg, thought it would work with the vacuum cup grippers used in the robotics lab, but running through the lines and valve, creates just enough vacuum to pick objects up, but drops easily with just movement.

It works, but we have to really plan accordingly to make it function.

5 of 5 found this helpful

★★★★☆ Compact and Efficient

about 2 years ago by Member #682044 | verified purchaser

I received the vacuum pump within a few days and it was in an appropriate package. It started right up; works fine with chemical filtering setup of mine. Design could be improved by having small feet with holes so pump could be easily attached to a platform.

Because of the apparent quality of the pump, I'll be ordering other things from SparkFun.

5 of 5 found this helpful

★★★★★ Great Pump however

about 3 years ago by Zen43040 | verified purchaser

The power supply I bought from sparkfun 12 vdc barrel jack does not cut it. I runs and stops. have to drain it completely the it will run again. on my bench top power supply it does not.

> Single T replied on June 9, 2015:
> Hi, This pump needs 1A of power at 12V. If your wall wart is not rated for at least 1A it will not have enough current to run the pump correctly. Thanks

5 of 5 found this helpful

★★★★★ Easy to work work

about 3 years ago by Member #396804 | verified purchaser

I use it in a couple of project. It is very reliable and easy to use. Also it is pretty quite and does not vibrate much.

5 of 5 found this helpful

★★★★☆ Vacuum Pump

about 3 years ago by Member #703257 | verified purchaser

Worked great right off. Whether sucking air or pushing it. I used it for a chip vacuum pickup where it can pick up even some larger chips. The tiny fish tank vacuum pumps couldn't do that.

5 of 5 found this helpful

★★★★★ Loved it

about 3 years ago by Member #683784 | verified purchaser

Pump works very well. Best and cheapest pump I ever seen.

★★★★★ Works great

about 3 years ago by Member #618363 | verified purchaser

As advertised.

★★★★★ Works like I hoped it would.

about a year ago by Member #621469 | verified purchaser

I had an idea to make a device to draw air from storage bags to freeze homegrown vegetables. We have been drawing the air out by mouth with a straw and we both almost inhaled food particles. With the use of this pump, a power source, switch and an inline filter I now have what I need.

★★★★★ Inventor.

about a year ago by Member #643734 | verified purchaser

The pump works find and it is just the right size I just need to experiment a little more with the application to see if it can work with suction cups to fulfill my requirements for the project.

★★★★★ A strong performer

about a year ago by Member #607321 | verified purchaser

I have this unit in my dialing system and it performs well.
I am very pleased with performance and reliability.

★★★★★ Entered the all school science fair!

last year by Member #680676 | verified purchaser

My robotic gripper worked really well! As soon as my science teacher saw it she said you are entering the science fair!

★★★★★ Great little vacuum

last year by Member #684621 | verified purchaser

I used it to filter wine and degas my fermented wine kit. Creates plenty of vacuum to draw my wine from the fermentation container, through a 22cm double plate filter #2 into a clean carboy. Presto job done. I powered the pump with a 12 volt 2amp battery trickle charger.

★★★★★

about 11 months ago by Member #743.Bob | verified purchaser

using in patented product invention

★★★☆☆ No good for solder sucker

about 3 months ago by Member #675319 | verified purchaser

Not enough vacuum for sucking solder but probably has other uses. I still gave it 3 stars since it does suck, just not enough for my project.

★★★★★

about 3 years ago by Member #646860 | verified purchaser

Work percent

★★★★★ Good little pump

about 4 months ago by Member #1147666 | verified purchaser

works great for small projects.

5 of 5 found this helpful

★★★★★ Excellent mini pump

about 3 years ago by Member #650272 | verified purchaser

VERY GOOD MINI PUMP

Strong and useful for vacuum and little pressure

★★★★☆

about 2 years ago by Member #720558 | verified purchaser

I have not been able to wire it up yet, but I hope to use it to suck out the power steering fluid from the reservoir on our car and re-fill with new oil.

★★★★☆ Reviewing Vacuum Pump - 12V

about 2 years ago by Member #649564 | verified purchaser

It is working very nicely. I am much satisfied with this product. Mansoor

★★★★☆ Works well

about 3 years ago by skipp_99 | verified purchaser

I bought it to make a gripper and it works very well for that as there is enough juice and the tubing is fairly short (the longer the tubing, the more airspace has to be cleared so the slower it grips.) It would be helpful if the inlets and poles were marked.

★★★★★ Awesome!!!!

about 2 years ago by Member #742428 | verified purchaser

This tiny pump is "amazing", performed beyond my expectation....worth the investment, so "buy" it. Thank you

★★★★☆ Works well for my needs.

about 2 years ago by Member #764222 | verified purchaser

This pump is small, but powerful enough to do what I need.

★★★★★ Just perfect!

about 2 years ago by Member #730583 | verified purchaser

It really sucks! :)

★★★★★ WORKS GREAT

about 2 years ago by Member #634449 | verified purchaser

I am using this on my truck. It is taking the place of the truck's vacuum for my 4x4. Works better than I thought it would. I got a second one, just in case I needed it. So far, the one is working great

In 2003, CU student Nate Seidle blew a power supply in his dorm room and, in lieu of a way to order easy replacements, decided to start his own company. Since then, SparkFun has been committed to sustainably helping our world achieve electronics literacy from our headquarters in Boulder, Colorado.

No matter your vision, SparkFun's products and resources are designed to make the world of electronics more accessible. In addition to over 2,000 open source components and widgets, SparkFun offers curriculum, training and online tutorials designed to help demystify the wonderful world of embedded electronics. We're here to help you start something.

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