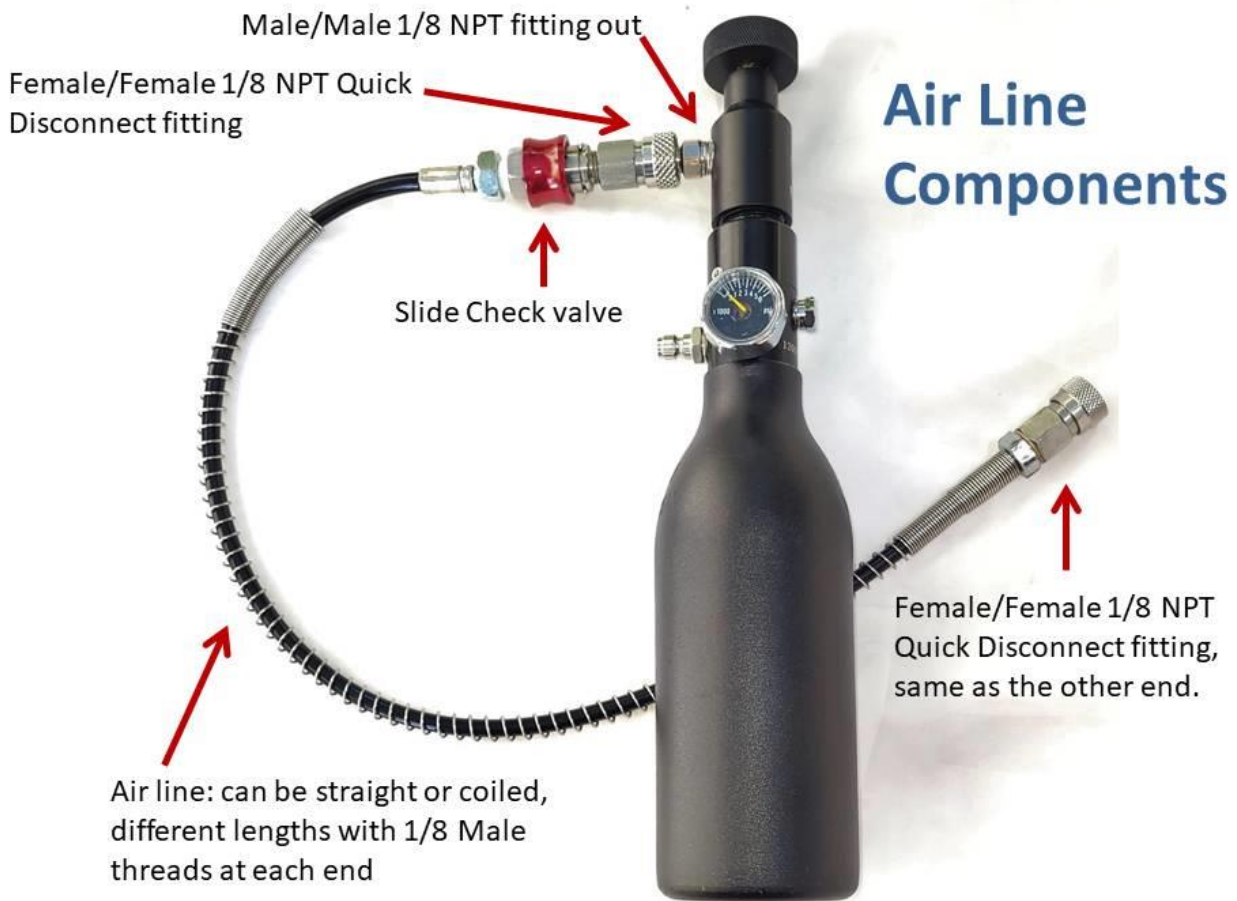


From High Pressure Air: Details on how to convert your Umarex Fusion II to High Pressure Air

Here's what we're talking about:



The Tank assembly: Tank, regulator, ASA On/Off Adapter

AliExpress

EURO2024

OFFICIAL PARTNER

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Save \$19.06

Savings

\$28.59

\$47.65 -40%

Wholesale 2+ pieces, extra 3% off

Extra 2% off with coins

Ends: May 16, 23:59 PT

4500Psi Aluminum Co2 Cylinder Aquarium Air Tank M18x1.5 Thread High Pressure 300bar Cylinder Oxygen Gas Bottle Filling Tank

★★★★★ 4.6 22 Reviews | 98 sold

Coupons & discounts

\$1.00 off On orders over \$16.00

\$5.00 off On orders over \$140.00

Color: 0.25L



Ship to California, United States

Delivery > Free Shipping

Estimated delivery between May 21 - 30 (70.7% ≤ 12 days)

Collect a \$1.00 coupon for late delivery

Service > Free returns · Delivery guarantee

Quantity 1

2+ pieces, extra 3% off

Buy now



4500psi Paintball Cylinder Aluminum CO2 Air Tank M18x1.5 Pressure Soda Bottle

SHAGWE (467) 100% positive · Seller's other items · Contact seller

US \$35.27

US \$2.00 International shipping

Est. delivery Thu, May 30 - Thu, Jun 6 to 95020. See details

Condition: New

Color: - Select -

Quantity: 1 4 available / 9 sold

Buy It Now

Add to cart

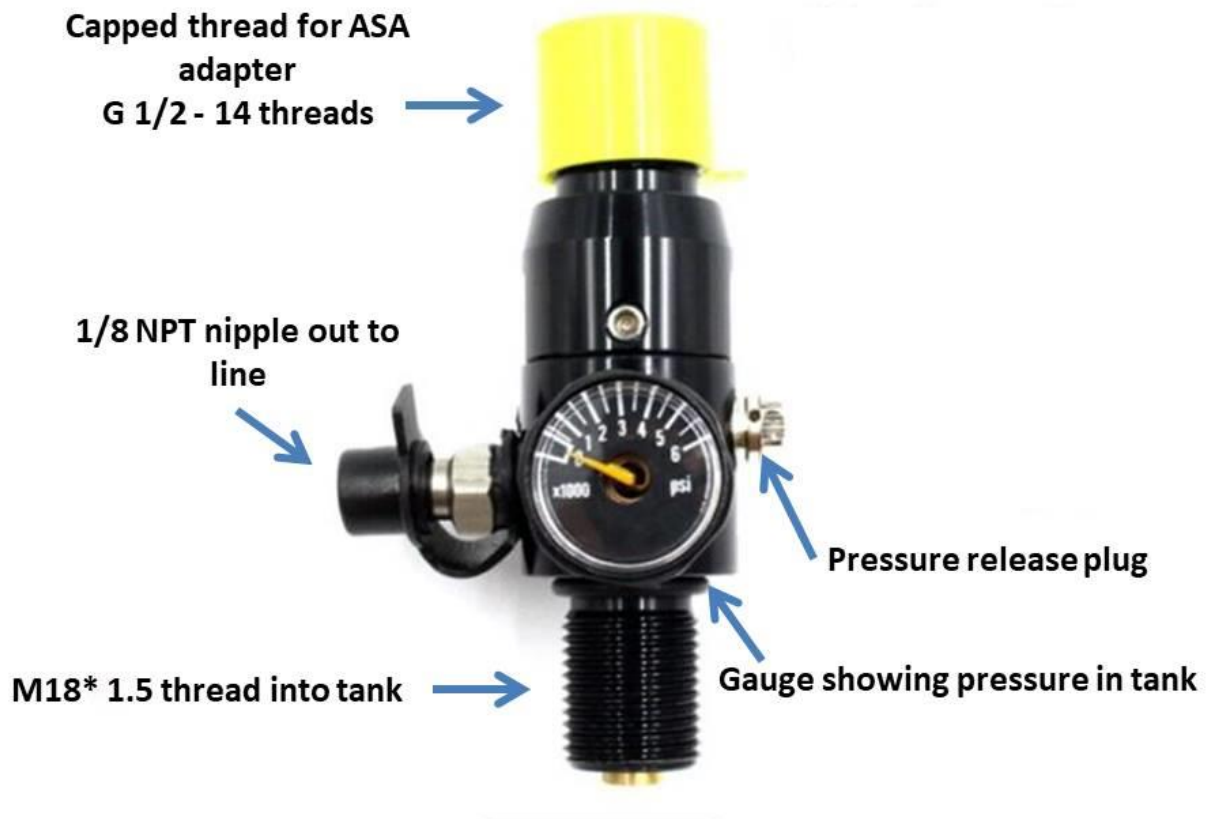
Add to wishlist

TANK	Search Term	Link to try
Bottle eBay	paintball aluminum tank	Link to eBay
Bottle - Ali Express	aluminum tank HPA	Link to Ali Express

Notes: Try the link first to access the site (AliExpress, eBay, Amazon) and look for the product. Some of the links go directly to the item, sometimes they open a search page with more options. If the page is no longer available, use the Search Term to find alternative suppliers. On Ali Express, look for promotions!

Notes: Find a tank that handles up to 4,500psi. There are aluminum tanks for CO2 that handle only about 800psi and have a different size thread for the opening. Another variation of high pressure air tank for air gunners is a carbon fiber tank. They are larger than these aluminum tanks and cost a lot more.

Anatomy of a Regulator



Regulators



G1/2-14

M18*1.5 & 5/8-18UNF

Output:

160Psi
300Psi
500Psi
850Psi
1000Psi
1200Psi
1500Psi
1800Psi
2000Psi
2200Psi
2800Psi
3000Psi

\$24.43

\$22.76 each, ≥ 3 pieces

Extra 5% off with coins

Choice

- Free shipping over \$10.00
- Fast delivery by **May 23 - 28**
- Delivery guarantee \$1.00 coupon code for late delivery
- Free returns within 90 days, no questions asked

300BAR Output 160 To 3000Psi Two Oring Air Tank Valvula Reguladora Gas Cylinder Refill Filling Adapter Valve Pressure Regulator

★★★★★ 4.5 8 Reviews | 30 sold

Color: 160 Psi



Specification: M18x1.5

M18x1.5

5-8-18UNF

Ship to California, United States

Choice Delivery

Free shipping
delivery by **May 23 - 28** (56.1% ≤ 10 days)
and a \$1.00 coupon for late delivery

Choice Service

Free returns · Delivery guarantee

Quantity

1
23 Pieces available

Buy now

Add to Cart

Share



G1/2-14

M18*1.5

Output

800psi
1800psi
2200psi
3000psi

Air Compressors Air Compressors Aluminum Alloy HPA Paintball PCP Tank Regulator

hardwareinstrument (3100)
97.8% positive · Seller's other items · Contact seller

US \$29.04

Was US \$37.72
Save US \$8.68 (23% off)

Free international shipping
Est. delivery Mon, Jun 3 - Mon, Jun 10 to 95020. [See details](#)

Condition: **New**

Sale ends in: 6d 10h

Options: **- Select -**

Quantity: 1 2 available

Buy It Now

Add to cart

Regulator	Search term	Link to try
Regulator - eBay	HPA Paintball PCP Tank Regulator	Link to try
Regulator - AliExpress	HPA 4500psi Gas Cylinder Air Tank Regulator	Link to try
Regulator - AliExpress	HPA 4500psi Gas Cylinder Air Tank Regulator	Link to try

Notes: The bottom thread that goes into the tank is the M18*1.5 size. The top thread is G1/2 -14.

800psi is about the normal pressure from CO2 cartridges. I have posted information on my previous video description with velocities at higher pressure. I will be sharing more ballistic results this summer.

There are lots of suppliers for regulators! There are often promotions (especially on Ali Express) where you can find a bargain. When you buy a certain amount at one time, the shipping costs decrease. I would start there. The shipping times now are within 7-10 days now.

What's an ASA On/Off Adapter?



SAVE UP TO 7% WHEN YOU BUY MORE



Paintball Co2 Tank Adapter Compressed Air Fill Station Remote Switch ASA Adapter

snirbar (58)
97.2% positive · Seller's other items · Contact seller

US \$28.66/ea

Free shipping
Est. delivery Sat, May 18 - Thu, May 23 to 95020. See details

Condition: New

Quantity: 1 4 available / 11 sold

Bulk savings:

Buy 1 \$28.66/ea	Buy 2 \$27.80/ea	Buy 3 \$27.23/ea	4 or more \$26.65/ea
---------------------	---------------------	---------------------	-------------------------

Buy It Now

Add to cart

Add to watchlist

Have one to sell? Sell now



Delivery options & services

☐ Choice

☐ Free shipping

Shipping from

☒ All

☐ United States

Discounts

☐ Savings

Price

US \$ - US \$ OK

Sort by: Best Match Orders Price

View: Gallery List

Paint HPA Ball Universal Fill Adapter

4.8 (78 sold)

\$8.91 \$9.94

Extra 5% off with coins

Check Free shipping over \$10

Asosken Official Store

HPA CO2 UFA Universal Fill Adapter

4.8 (45 sold)

\$11.82 \$11.82

Extra 5% off with coins

Check Free shipping over \$10

Tonpa Pneumatic Factory Store

Soda Water CO2 Cylinder Tank Bot

4.8 (15 sold)

\$9.1 \$9.1

Extra 5% off with coins

Check Free shipping over \$10

Asosken Official Store

Soda Water Accessories CO2 Cylind

4.8 (52 sold)

\$14.69 \$14.69

Extra 5% off with coins

Check Free shipping over \$10

BAZUKA Official Store

New HPA CO2 UFA Universal Fill Ad

4.8 (4 sold)

\$5.46

Extra 5% off with coins

+Shipping: \$5.11

Better Industry Limited

300Bar 4500Psi Scuba Fill Station I

4.8 (63 sold)

\$17.54

Extra 2% off with coins

Free shipping

Scuba Diving Mail Store

On/Off valve	Search term	Link to try
paintball co2 fill station remote for top of regulator - eBay	paintball co2 fill station remote	Link to try
paintball co2 fill station remote for top of regulator - eBay	paintball co2 on/off	Link to try
paintball co2 fill station remote for top of regulator - Ali Express	HPA Universal Fill Adapter	Link to try
paintball co2 fill station remote for top of regulator - Amazon	asa fill adapter	Link to try

Notes: This product is an example of how much you can save by buying on Ali Express! Always check the shipping costs when comparing total prices.

Notes: The gauges on the adapters come in various pressure ratings. Get one that supports up to at least 2,000psi. Check the pressure rating on the adapters, too, because there are ones that look like these adapters but they are rated for lower pressure.

The line components connecting the tank assembly with the air gun



1/8NPT



1/8NPT



EURO2024™

OFFICIAL PARTNER

pcp regulator adjustable valve

Other/ENH
USD ✓

BAZUKA Official Store

96.5% Positive Feedback

1481 Followers

Store Home

Products

Feedback

1/8NPT

\$2.18

Extra 5% off with coins

Choice

- Free shipping over \$10.00
- Fast delivery by May 24 - 29
- Delivery guarantee \$1.00 coupon code for late delivery
- Free returns within 90 days, no questions asked

HPA Air Quick Disconnect Male Female Adaptor 8mm Fill Nipple High Pressure 1/8NPT 1/8BSP M10*1 M8*1 Stainless Steel

★★★★★ 4.9

176 Reviews

500+ sold

Color: Outer Male NPT NEW

1PCS

1/8BSP 8/10

1/8NPT

M10*1

1/8BSP 8/10

M8*1

M10*1

1/8BSPF

M10*1

1/8NPT

M10*1

M10*1

1/8npt

1/8BSP

1/8NPT

1/8npt

1/8BSPF

Ship to

California, United States

Choice Delivery

Shipping: \$1.99, or free over \$10.00

delivery by May 24 - 29 (56.1% ≤ 10 d)

and a \$1.00 coupon for late delivery

Choice Service

Free returns • Delivery guarantee

Quantity

1

+

2981 Pieces available

Buy now

Add to Cart

Share

Notes: There are lots of variations here! The 8mm 1/8NPT form factor is what is used for all the connectors in this setup.

Air Line



1/8npt

100inch/250cm

\$10.05

Extra 5% off with coins

Choice

- Free shipping over \$10.00
- Fast delivery by **May 23 - 28**
- Delivery guarantee \$1.00 coupon code for late delivery
- Free returns within 90 days, no questions asked

Charging Coiled Remote Hose Microbore Line Filling Air CO2 Nitro Pneumatic Tool 1/8npt 3000psi

★★★★★ 5.0 2 Reviews 1 15 sold

Color: Coiled 100inch



Ship to  California,

Choice Delivery >

Free shipping
delivery by **May 23 - 28** (56.1% ≤ 10 d and a \$1.00 coupon for late delivery)

Choice Service >
Free returns • Delivery guarantee

Quantity
1 +
3000 Pieces available

Buy now

Add to Cart

 Share 

Line options	Search term	Link to try
Air line - straight and coiled on the same page - Ali Express	charging coil remote hose	Link to try

Notes: Here again, lots of options for the connectors on the ends, the length, and THE PRESSURE RATING! Carefully check all the details when selecting a line. AliExpress is far cheaper than buying in the U.S., and most of the suppliers on eBay and Amazon are getting their products from the same place as AliExpress.

Get the 3,000psi rated line. As far as the length, think about your shooting setup. If you shoot from a table, the length of a couple feet is sufficient. The coiled line has been easier to handle than a spring covered straight line. Even without a spring on a straight line, they are pretty stiff.

Slide Check Valve – releases air pressure in the line between tank and air gun



G7 Slider On/Off purge Valve with 1/8 QD NEW

PW MFG. (15337)
95.9% positive · Seller's other items · Contact seller

US \$1.99/ea

US \$3.75 shipping
Est. delivery Fri, May 17 - Mon, May 20 to 95020. [See details](#)

Condition: **New**

Quantity: 8 available / 67 sold

Bulk savings:

Buy 1 \$1.99/ea	Buy 2 \$1.69/ea	Buy 3 \$1.59/ea	4 or more for \$1.49/ea
--------------------	--------------------	--------------------	----------------------------

[Buy another](#)

[Add to cart](#)

[Add to List](#)

[Have one to sell? Sell now](#)

Slide Check	Search term	Link to try
Slide Check On/Off purge Valve with 1/8 QD	slide check valve	Link to try

Notes: This seller on eBay is by far the cheapest source for slide check valves, (even Ali Express!). Other places charge over \$10. If the seller is no longer selling this item, you can find them on Amazon and eBay, too.

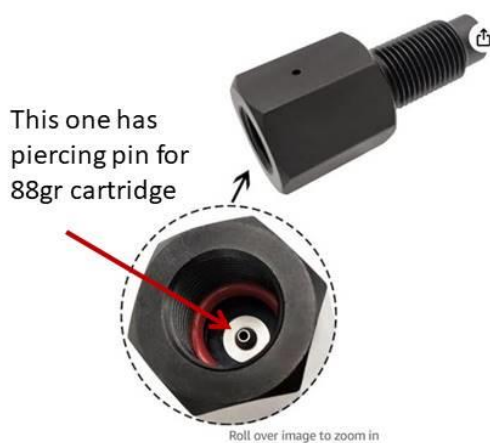
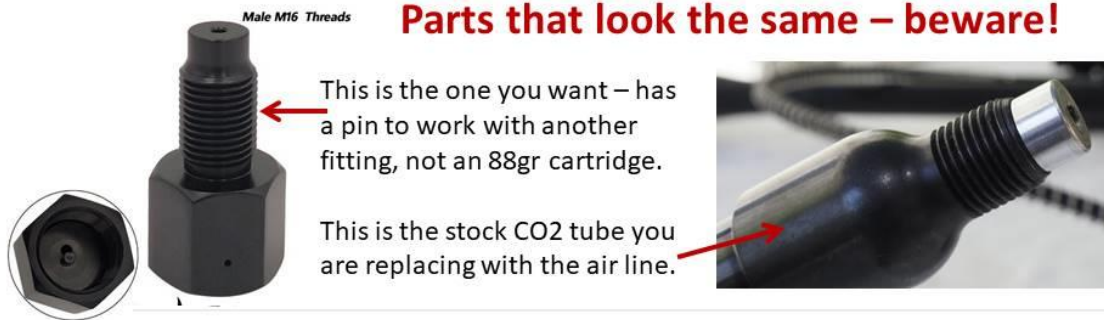
Picture below shows more detail than the eBay photo.



Parts that stay in the air rifle



Parts that look the same – beware!



CO2 Saver Adapter for Airgun 88g CO2 Capsules and Prevent Damage

Brand: Heyxire
4.1 ★★★★★

-11% \$16⁹⁹

List Price: \$19.09

prime One-Day

Thank you for being a Prime member. Get \$100 off: Pay \$0.00 \$16.99 upon approval for Prime Visa.

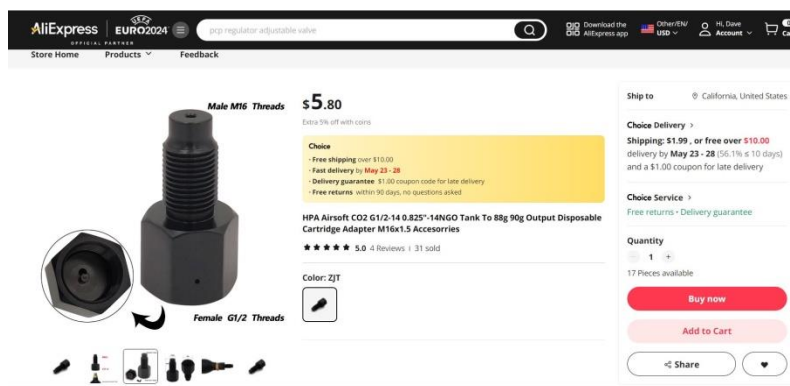
- Save CO2 and money by removing 88g CO2 capsules without venting remaining air
- Allows you to use the same 88g CO2 capsule in different airguns
- Prevents o-ring and seal damage from leaving CO2 gas in airgun for long durations
- Solid aluminum construction with high-quality o-ring seals
- Easy to use - includes adapter only (CO2 not included)

Report an issue with this product or seller



Maddog Paintball CO2 Fill Station, Dual Valve Bottle Refill Station for 12oz, 16oz...

★★★★★ 334



G1/2-14 CO2 Tank To 88g CO2 Cartridge Capsule M16*1.5 Threaded Adapter Converter

elink2018 (15442)
99% positive · Seller's other items · Contact seller

US \$12.95

Free shipping
Est. delivery Sat, May 18 - Thu, May 23 to 95020. [See details](#)
Want it faster? Other shipping options available.

Condition: New

Buy It Now

Add to cart

Add to watchlist

Breathe easy. Free shipping and returns.

Shipping: Free Standard Shipping. [See details](#)
Located in: Bordentown, New Jersey, United States

Delivery: Estimated between Sat, May 18 and Thu, May 23 to 95020

Black fitting	Search term	Link to try
G1/2-14 CO2 Tank to 88g CO2 Cartridge Capsule M16*1.5 Threaded Adapter Converter	G1/2-14 CO2 Tank to 88g CO2 Cartridge Capsule M16*1.5 Threaded Adapter Converter	Link to try
this is the long black fitting that goes into the gun Ali Express	Tank To 88g 90g Output Disposable Cartridge Adapter	Link to try
Amazon	cartridge adapter m16x1.5	Link to try

Notes: This part replaces the tube for the 2 CO2 cartridges. You can use a 1" socket to secure it to the gun. Or remove the allen screw (shown in my previous Fusion II video) and remove the stock.

\$5.07

Extra 5% off with coins

Choice

- Free shipping over \$10.00
- Fast delivery by **May 21 - 23**
- Delivery guarantee \$1.00 coupon code for late delivery
- Free returns within 90 days, no questions asked

Paint Marker Ball ASA Coil Remote Hose Line Slide Check Adaptor With Male Quick Disconnect Universal Fill Adapter Accessories

★★★★★ 4.9 11 Reviews | 38 sold

Color: Only Adapter

Ship to California, United State

Choice Delivery >

Shipping: \$1.99 , or free over \$10.00
delivery by **May 21 - 23**
and a \$1.00 coupon for late delivery

Choice Service >

Free returns · Delivery guarantee

Quantity

- 1 +

Only 3 left

Buy now

Add to Cart

Share

TRINITY Paintball Male ASA Adaptor with Male Quick Disconnect 1/8" NPT Remote Remote Coil ASA Adapter, Paintball Remote Adapter

Visit the TRINITY Store

3.2 ★★★★★ 10 ratings | Search this page

\$9.99

Thank you for being a Prime member. Get \$100 off: Pay **\$0.00** \$9.99 upon approval for Prime Visa.

- compatible with most paintball markers.
- fits most remote coils and fill adapters
- 1/8 npt threads
- black anodize finish
- durable aluminum

Additional Details

Small Business
This product is from a small business brand. Support small. [Learn more](#)

Report an issue with this product or seller

\$9.99

\$5.87 delivery **May 22 - 29.**
[Details](#)

Or fastest delivery **May 21 - 23.**
[Details](#)

Deliver to David - Gilroy 95020

In Stock

- Quantity: 1 +

Add to Cart

Buy Now

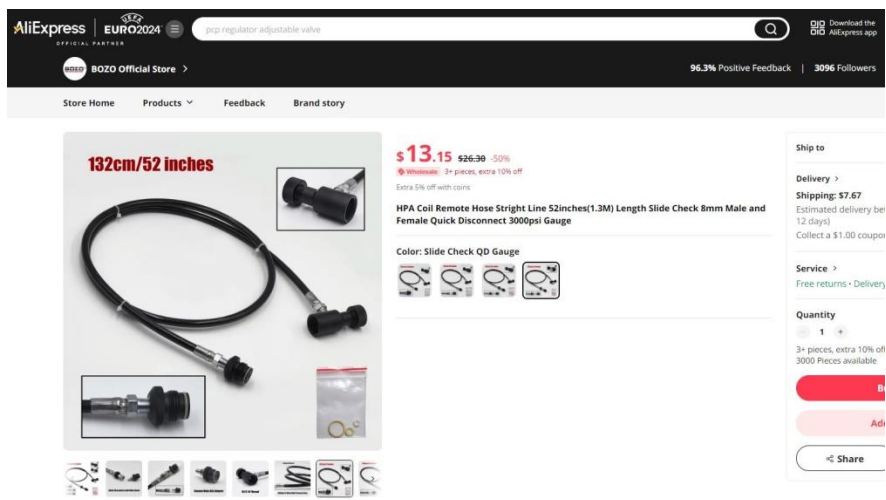
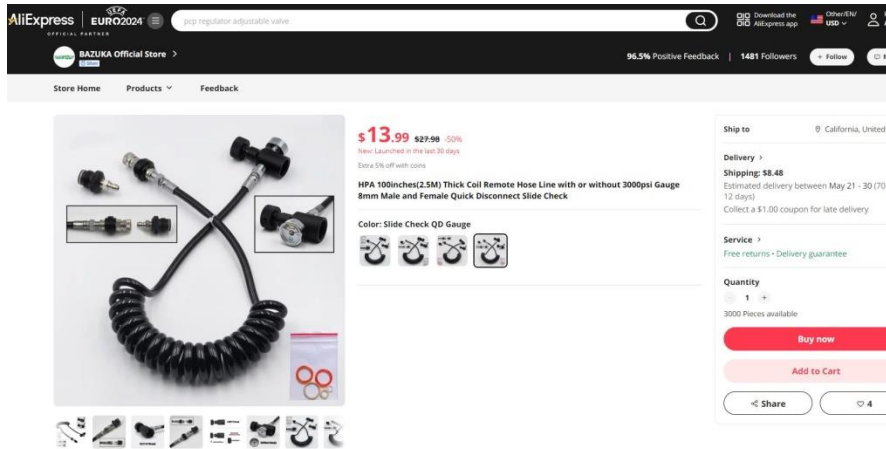
Ships from MasterSconi
Sold by MasterSconi
Returns Eligible for Return, Refund or Replacement...
Customer Service MasterSconi
[See more](#)

Attaches to Black fitting	Search term	Link to try
ASA to remote adapter fitting in gun to line - Ali Express	paint marker asa adaptor	Link to try
ASA to remote adapter fitting in gun to line - Amazon	Paintball male asa adapter	Link to try
ASA to remote adapter second piece from gun - eBay	ASA remote adapter	Link to try

Note: Sometimes (usually!) this fitting is sold with a combo kit.

Suggested solution for the air line and connectors:

Buy a combo setup and add the Quick Disconnect pieces at the ASA adapter end.



Notes: Buying the pieces in a combo kit like this is going to be far cheaper than buying individual pieces. There are lots of sellers on Ali Express that run specials and promotions on these kits in order to compete.

I suggest finding one that provides a gauge on the ASA On/Off adapter (the piece that goes on the top of the regulator). Remove the air line from the ASA adapter, add a male/male foster fitting (see earlier in this guide) to the ASA adapter, and put a female/female quick disconnect fitting on the end of the line that you removed. Then you are able to easily disconnect the line from the tank. And it may be simpler to leave the line connected to your air rifle (if the line is not too long or unwieldy). It's not difficult to attach the line to the Fusion II if you want to keep your air gun in a case.

Hose assembly	Search term	Link to try
hose with everything eBay	coil remote hose, or Paintball Remote Line Coiled Hose ASA Slide Check	Link to try
hose with everything Ali Express	coil remote hose	Link to try
hose with everything Amazon	paintball remote coil	Link to try

The Steps to add a Quick Disconnection to a stock “combo kit”

These combo kits usually do not have a quick disconnect at the ASA On/Off Adapter because they are used with paintball gear. The extra quick disconnect parts also add to the cost of making these rigs, so the sellers don't use them.



Stock Cable with Modifications



Converting the cable to Quick Disconnect on both ends

This end removed from ASA Adapter and female/female Quick Disconnect attached

This end stays stock, no modifications

Other Parts Mentioned in the Video

(not needed for the HPA setup described in the video)



UmarexCO2 Adapter

Visit the Umarex Store
4.3 ★★★★★ 237 ratings | Search this page
50+ bought in past month

\$22.99

✓prime One-Day
FREE Returns

Save up to 12% with business pricing. Sign up for a free Amazon Business account

Size: **One Size**
Color: **Multi**

\$56.38

\$22.99

- Saves your CO2 and saves you money by allowing you to remove 88g CO2 capsules from your airguns without venting the remaining air; Also allows you to use the same 88g CO2 capsule in different airguns
- 88g CO2 capsules can be used for shorter sessions by simply removing the capsule with the adapter attached when you're finished shooting and use them together again later
- Prevents o-ring and seal damage caused by leaving CO2 gas in an airgun for long durations
- Solid aluminum construction with high-quality o-ring seals
- NOTE: includes adapter only. CO2 NOT included. To ensure a proper seal and for best performance, Umarex-brand CO2 is recommended.

\$22.99

✓prime One-Day
FREE Return

FREE deliver
18. Order wi

📍 Deliver to

In Stock

Quantity: 1

Ships from
Sold by
Returns

Customer
Service
✓ See more

☐ Add a gif
returns

Roll over image to zoom in

Other Pieces	Search term	Link to try
Umarex CO2 saver	Amazon	Link to try

Note: This part enables attaching an 88 gram Co2 cartridge to the Fusion II and then provides a way to remove the cartridge from the air gun without releasing all the CO2.

The part may not seat all the way in a Fusion II (I read that online). I used a dremel tool to grind off the first couple threads. Make sure this fitting is securely attached to your 88 gram cartridge so that if you unscrew the cartridge from the gun, the cartridge doesn't unscrew from the fitting and release the air (ask me how I know...). This fitting doesn't need to be super tight into the gun because it has a lot of threads..

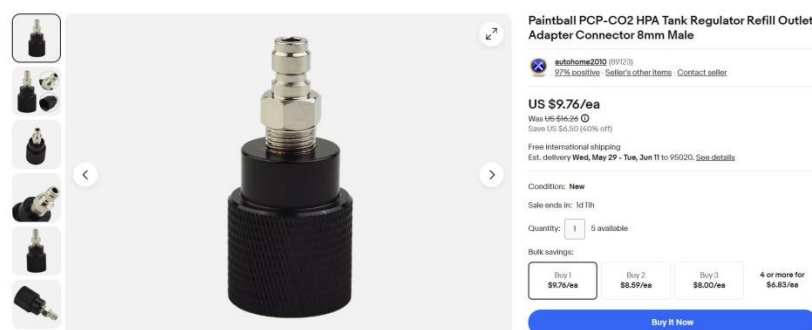


Adjustable Tank Regulator



Other Pieces	Search term	Link to try
Adjustable tank regulator - eBay	adjustable paintball regulator	Link to try
Adjustable regulator on Amazon	adjustable paintball regulator	Link to try

Note: I bought one of these and used it about a dozen times, then it failed to open to let air into the line. Proceed at your own risk... This next piece goes on top of the adjustable regulator to connect the air line. I didn't mention this piece in the video because I'm not convinced an adjustable regulator is a reliable solution.



Adapter between adjustable regulator and line	paintball refill outlet adapter	Link to try
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This guide was created by Dave Avilla on May 17, 2024. If you have questions or comments, please use the YouTube Comments for the accompanying video so others in the community can benefit from the discussion.