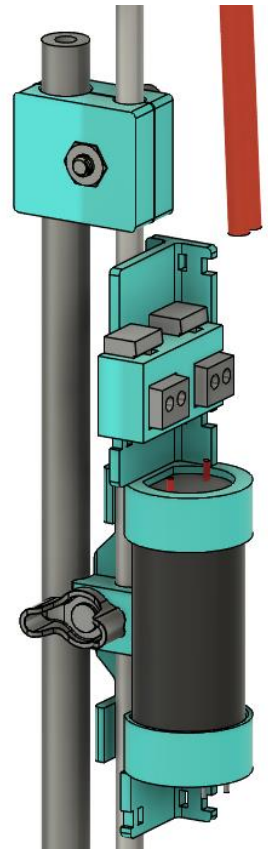
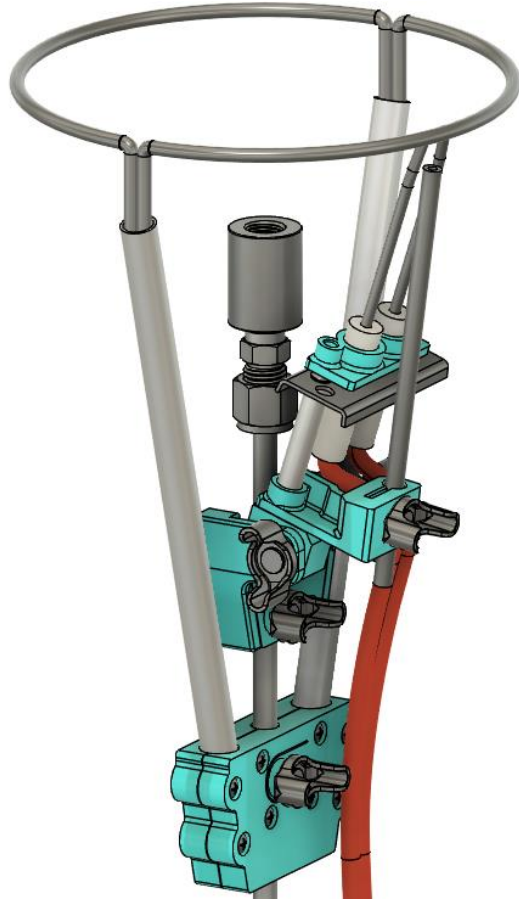
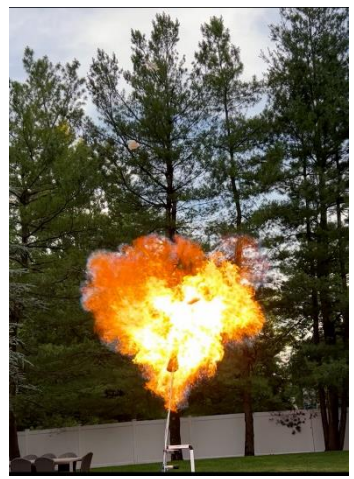
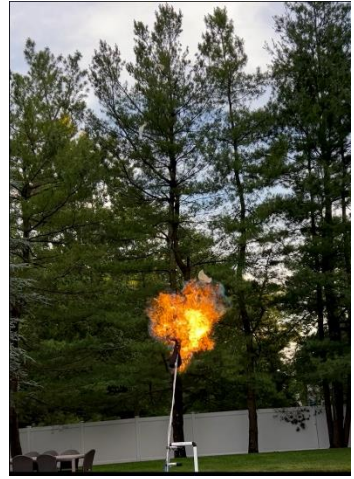
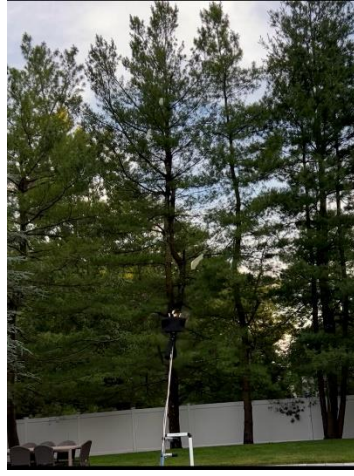
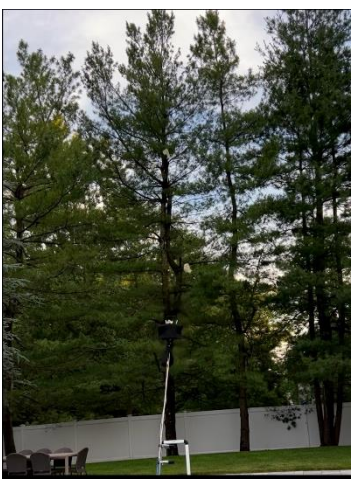
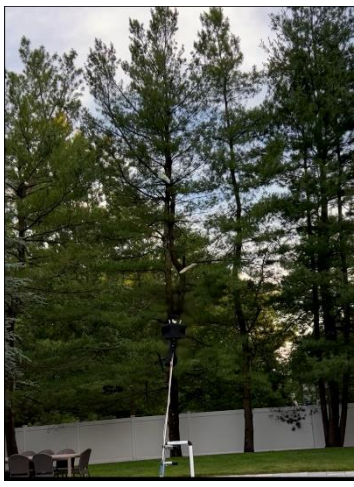
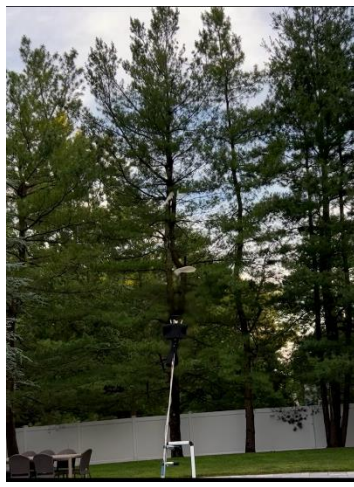
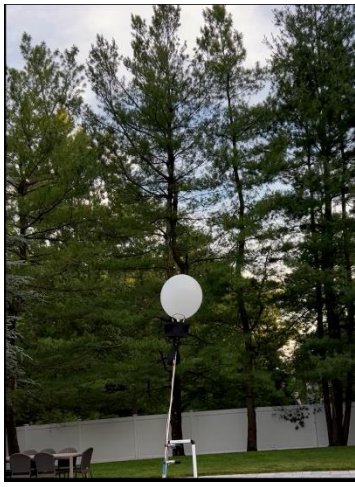


Fireball Generator

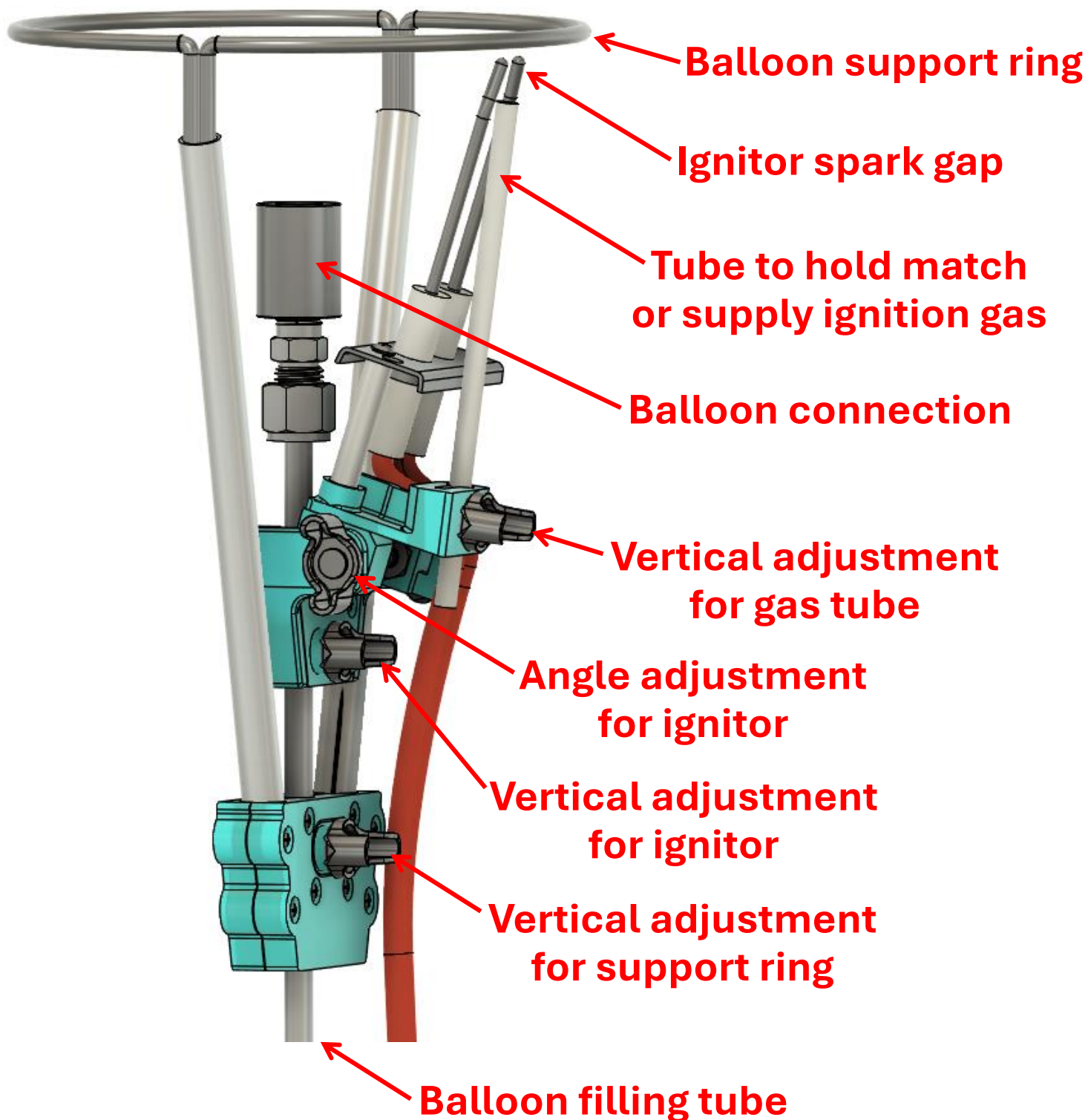




The balloon ignitor has multiple adjustments to accommodate different balloon sizes.

When the balloon is inflated, its underside should be sitting on the ring to maintain a constant position relative to the ignitor spark gap. Loosening the thumb screw for the support ring adjustment allows vertical movement to achieve this. There are additional thumb screws for the vertical position and angle of the ignitor to ensure the ignitor is touching the balloon surface and the spark gap is not near the support ring.

These adjustments should be made before fully inflating the balloon with a flammable gas.



BOM (Bill Of Materials)

Line	Qty	Type	Description	Part Num	Price
1	7	screw	10-32 3/4"L WingHead Steel ZincPlated	91510A117	\$12.92(10)
2	4	screw	4-40 1/2"L PanHead Phillips Steel ZincPlated	90272A110	\$2.22(100)
3	10	screw	4-40 9/16"L PanHead Phillips 18-8SS	91772A111	\$4.47(100)
4	7	screw	#4 3/8"L RoundHead Phillips SheetMetal Blunt 18-8SS	92525A205	\$5.30(100)
5	4	screw	4-40 5/16"L PanHead Phillips Steel ZincPlated	90272A107	\$1.92(100)
6	7	nut	10-32 3/8"W 1/8"H Steel ZincPlated	90480A195	\$2.32(100)
7	10	nut	4-40 1/4"W 7/64"H ThinProfile NylonInsert 18-8SS	90101A004	\$4.86(50)
8	1	nut	10-32 3/8"W 1/8"H Steel ZincPlated	90480A195	\$2.32(100)
9	1	tube	1/4"OD 0.025"T 16"L 304SS	B0DHK7FVS5	\$9.99(2)
10	1	tube	0.187"OD 0.094"ID 6"L Nonporous Ceramic Alumina	8746K558	\$13.25(1)
11	2	tube	3/8"OD 1mmWallT 12"L Aluminum	B0FS6M2STM	\$7.99(2)
12	1	fitting	1/8"NPT-F 0.625"OD 1"L 304SS	4464K211	\$6.53(1)
13	2	fitting	Yor-Lok Compression 1/8"NPT 1/4"OD 0.035"T tube 316SS	5182K807	\$11.87(1)
14	1	fitting	1/8"NPT-M barb 3/16"TubeID 303SS	5670K741	\$4.16(1)
15	1	valve	Check 1/8"NPT-F 0.47"Hex 1.42"L	B0C8NZ18S6	\$6.69(2)
16	2	connector	5.08mm 2P Screw Terminal Socket	B0DM29PJ66	\$7.99(10)
17	1	printPLA	IgnitorMount		
18	1	printPLA	TubeMount (1)		
19	1	printPLA	IgnitorTubeMountOuter		
20	1	printPLA	IgnitorTubeMountInner		
21	2	printPLA	Washer 0.4Dia 0.125H		
22	1	printPLA	RingTubeMountScrewSide		
23	1	printPLA	RingTubeMountNutSide		
24	1	printPLA	RingTubeMountAssem		
25	1	printPLA	PoleMountScrewSide		
26	1	printPLA	PoleMountNutSide		
27	1	printPLA	Jig_IgnitorHoles		
28	1	printPLA	HVGenMountLV		
29	1	printPLA	HVGenMountHV		
30	1	printPLA	HVGenLink		
31	1	printPLA	NutMount		
32	1	printPLA	HVGenClamp		
33	1	printPLA	Connector Clamp		
34	1	undef	Balloon		
35	1	undef	AA Battery Igniter With Double Ignition Electrode	B07BHZYGW7	\$9.99(1)
36	2	undef	4-40 1/4"OD 2"L Aluminum	93330A463	\$0.87(1)
37	1	undef	Bonsai Tree Wire 1mm 1.5mm 2mm 2.5mm 3mm	B0F9DBTXXN	\$11.81(1)
38	1	undef	10Ft telescoping	B0CG4SNR4Z	\$25.99(1)
39	1	undef	High Voltage Generator DC 6-12V to 1000kV	B09DCCLP66	\$7.99(2)

The 3mm wire was bent into 2 semicircles with bent ends to form a ring with an inner diameter of 4.85". The diameter is not critical, but a ring of about 5" works well.



189FT Easy to Bend Bonsai Wire, Aluminum Bonsai Tree Wire in 5 size -1mm,1.5mm,2mm,2.5mm,3mm with Cutter set for Training Thin or Thick Branches

Brand: RASKOO

4.9 (102) | [Search this page](#)

Amazon's Choice

400+ bought in past month

Prime Day Deal

-15% \$11⁸¹ (\$0.06 / feet) [Price history](#)

Typical price: \$13.97

Each tube is cut to 7.5" and connects the Support Ring to the Ring Tube Mount Assembly. The bent sections of the semicircles fit into the tube ends.



Aluminum Round Tube, 3/8" (9.5mm) OD x 1mm Wall Thickness Hollow Pipe, 12" Length Seamless Metal Straight Tubing, 2 PCS

[Visit the Etauwe Store](#)

4.4 (37) | [Search this page](#)

Amazon's Choice

\$7⁹⁹ (\$4.00 / count) [Price history](#)

prime Two-Day

FREE Returns

One full length tube connects the balloon coupling to the check valve.



2
Pack

2 Pcs 1/4" OD 304 Stainless Steel Tube, 16" Long, Thickened 304 Stainless Steel Seamless Tubing Round Metal Pipe, Industrial Metal Straight Tube(Industrial cold-rolled steel pipe)

[Visit the MOKOVI Store](#)

4.6 (22) | [Search this page](#)

\$9⁹⁹ [Price history](#)

prime Two-Day

FREE Returns

A compression fitting is attached to each end of the 16" tube.



HARFINGTON 2pcs
Compression Fitting 1/4"
Tube OD x 1/8" NPT Male
Thread Stainless Steel
Straight Coupler Adapter
Compression Tube Pipe
Fitting Connector for Oil Gas
Water

Visit the HARFINGTON Store

4.1 ★★★★★ (9) | Search this page

\$9³⁹ (\$4.70 / count) [Price history](#)

One coupling is attached to one compression fitting. The 3/4" outer diameter will allow a snug fit for smaller balloons.



Stainless Steel Coupling High
Pressure Heavy Duty 1/8" NPT
Female x 1/8" NPT Female
Coupler Forged Pipe Fitting,
Class 3000 (Pack of 2)

Brand: Lophtnix

5.0 ★★★★★ (1) | Search this page

\$8⁷⁹ (\$4.40 / count) [Price history](#)

✓prime Two-Day

Shopping for work? Save 40% up to \$150 on your Amazon Business orders. [Sign up for a free business account.](#)

Size: 1/8" Fmnt x 1/8" Fmnt

One check valve is connected to the lower compression fitting. The arrow points toward the balloon.



2PCS Air Check Valve 1/8 PT
Female Threaded Full Port
Check Valve, Nickel-Plated
Brass Copper Non Return One
Way

Visit the FOCMKEAS Store

4.3 ★★★★★ (53) | Search this page

Amazon's Choice

\$6⁶⁹ [Price history](#)

One barb fitting is connected to the check valve.



Hose Barb Fittings 3/16 Inch Barb × 1/8 Inch NPT, Brass Air Hose Fittings, 3/16" to 1/8" NPT Male Air Line Repair Connector Kit, Brass Male Thread Pipe Adapter (2 Pack)

Visit the [SUNGATOR Store](#)

4.8 ★★★★★ (1,167) | [Search this page](#)

Amazon's Choice

\$3⁹⁹ (\$2.00 / count) [Price history](#)

prime



Eastman 3/16 Inch ID (5/16 Inch OD) PVC Clear Vinyl Tubing, 20 Foot Length, 98562

Brand: Eastman

4.6 ★★★★★ (5,349) | [Search this page](#)

Amazon's Choice

600+ bought in past month

365-day low price

\$6⁹⁸ [Price history](#)

prime Two-Day

FREE Returns

Only the electrode pair and wires will be used. The electrode pair only could not be found.



Two Exits AA Battery Igniter With Double Ignition Electrode For Catering Cooking Stove Kit Electronic Igniter Wire Length 18 inch

Visit the [METER STAR Store](#)

4.7 ★★★★★ (313) | [Search this page](#)

Amazon's Choice

\$9⁹⁹ [Price history](#)

Pay ~~\$9.99~~ \$0.00 after using available Prime Visa rewards points.

One High Voltage Generator is installed in the mount and the high voltage wires are connected to pluggable terminal blocks.



2pcs High Voltage Generator DC 6-12V to 1000kV Boost Step-Up Inverter Arc Pulse Generator Power Module High Voltage Transformer

Brand: AEDIKO

4.2 ★★★★★ (84) | [Search this page](#)

Amazon's Choice

50+ bought in past month

\$7⁹⁹ [Price history](#)

Pay ~~\$7.99~~ \$0.00 after using available Prime Visa rewards points.

Two-Day

Used to connect the High Voltage Transformer to the ignitor electrode pair.



[Click to see full view](#)

10PCS 2 Pin 5.08mm Pitch Pluggable PCB Angle Screw Terminal Block Plug Connector Socket Panel Mount DIY with 10Pcs 2 Pin Phoenix Plug

Brand: Meimom

4.9 ★★★★★ (20) | [Search this page](#)

Amazon's Choice

\$7⁹⁹ (\$0.40 / count) [Price history](#)

✓prime Two-Day

FREE Returns ▼

Save up to 5% with business pricing. Sign up for a free Amazon Business account

Color: 2P



[Click to see full view](#)



10 FT Telescoping Pickup Tool Magnetic Pole with Hook, Telescopic Push Pull Rod Wire Reacher Grabber Disc Golf retriever, Telescopic Magnetic Pick-Up Tool

Brand: Ahrylxy

4.3 ★★★★★ (343) | [Search this page](#)

\$25⁹⁹ [Price history](#)

✓prime Two-Day

FREE Returns ▼

Save up to 3% with business pricing. Sign up for a free Amazon Business account

Color: Two-hooks

- PUSH/PULL S HOOK: S hook allow you to easily grab, pull, push, reach, guide, hang objects that



Slits are cut into one blanket to allow the supply tube, ignitor, and ring support tubes to pass through. The blanket is then wrapped around the remainder of the assembly. The 2nd blanket is added to protect additional parts of the assembly.



[Click to see full view](#)

2 Pack 11x14 Inch Welding Blanket Fireproof Welding Pad, 5mm Thickened Fire Resistant Carbon Felt, Flame Retardant Fabric, Heat Shield Resistant Mat for Soldering, Firepit, Grill, Welding Supplies

Brand: XOHUYD

4.6 ★★★★★ (246) | [Search this page](#)

Amazon's Choice

700+ bought in past month

Prime Day Deal

-21% \$9⁴⁸

[Price history](#)

One channel switches the power to the ignitor. The other channels can be connected to solenoid valves in the future.



DieseRC 4 Channels Wireless Relay Remote Control Switch 433Mhz RF DC 5V 12V 24V 30V 10A Relay Receiver with 2 Transmitters Keyfob, Big Terminal Easy Wiring

[Visit the DieseRC Store](#)

4.3 ★★★★★ (36) | [Search this page](#)

Amazon's Choice

\$22⁹⁹

[Price history](#)

prime

This step-down convertor will reduce and allow adjustment of the voltage for the high voltage generator.



HiLetgo 5A 75W DC-DC Step Down Power Module XL4015 Adjustable with LED Voltmeter Free Pillars

[Visit the HiLetgo Store](#)

4.3 ★★★★★ (79) | [Search this page](#)

Amazon's Choice

50+ bought in past month

\$7⁹⁹ [Price history](#)



The gauge, which has a range to 2000 PSI is replaced by the 1/8 NPT gauge with a range of 160 PSI, which is suitable for a propane cylinder. The cylinder fitting is replaced by a 1/8 NPT street elbow, which connects to the propane cylinder adapter.



YESWELDER Welding Gas Regulator Flow Meter, Leak-Proof Argon CO2 Pressure Gauge with Universal Multi-Interface, Suitable for MIG TIG Welding Machines

[Visit the YESWELDER Store](#)

4.6 ★★★★★ (1,640) | [Search this page](#)

300+ bought in past month

Prime Day Deal

-20% \$19¹⁹ [Price history](#)

Typical price: \$23.99 ⓘ



Beduan Air Pressure Gauge for Air Compressor 1-1/2" Dial Center Back Mount, 1/8" NPT, 0-160 Psi

Visit the beduan Store

4.6 ★★★★★ (305) | Search this page

Amazon's Choice

100+ bought in past month

\$7⁹⁹ [Price history](#)

prime Two-Day



2 Pack

2 Pack Brass Fitting, 1/4" NPT Male Pipe to 1/4" NPT Female Pipe, 90 Degree Barstock Street Elbow (O.D x I.D: 1/2" x 1/2")

Brand: Sanpaint

4.8 ★★★★★ (116) | Search this page

Amazon's Choice

100+ bought in past month

\$5⁹⁹ (\$3.00 / count) [Price history](#)



NPT Bushing 1/4" Male x 1/8" Female Reducing Adapter Hex Head Pipe Fitting 1200psi (Pack of 5)

Visit the Legines Store

4.6 ★★★★★ (818) | Search this page

Amazon's Choice

100+ bought in past month

\$6⁹⁹ (\$1.40 / count) [Price history](#)

prime Two-Day

FREE Returns

Coupon price \$6⁶⁴ [Terms](#)

Shopping for work? Save 40% up to \$150 on your Amazon Business o up for a free business account.

Size: 1/4" NPT Male x 1/8" NPT Female

1" NPT Male x 1/2" NPT...	1/2" NPT Male x 1/4...	1/2" NPT Male x 1/8...	1/2" NPT Male x 3/8...
\$35.99	\$8.99	\$11.99	\$8.99



4 Pack Solid Brass Pipe Fitting, Hex Nipple, 1/8" x 1/4" NPT Male Pipe Adapter (O.D x O.D: 3/8" x 1/2")

Brand: Sanpaint

4.8 ★★★★★ (7) | [Search this page](#)

-25% **\$2⁹⁹** (\$0.75 / count) [Price history](#)

Typical price: ~~\$3.99~~

prime

FREE Returns

Shopping for work? Save 40% up to \$150 on your Amazon Business orders. [Sign up for a free business account.](#)

Size	1/8" x 1/4"
Thread Size	1/8 NPT x 1/4 NPT
Brand	Sanpaint
Color	Brass
Item dimensions	3 x 2 x 0.74 inches
L x W x H	



1LB Propane Gas Bottle Refill Adapter, 1/4 NPT Female to 1"-20 Female, Brass Universal Fittings for All 1Pound/16.4oz Small Tank Cylinders Grill Stove Connector

[Visit the Uenede Store](#)

5.0 ★★★★★ (5) | [Search this page](#)

\$7⁹⁹ [Price history](#)

Pay ~~\$7.99~~ \$0.00 after using available Prime Visa rewards points.



Propane Cylinder Base Foldable 16oz/1lb Propane Fuel Canister Stabilizer Stand Gas Tank Bottle Fixed Support

[Visit the Valken Store](#)

4.6 ★★★★★ (109) | [Search this page](#)

50+ bought in past month

Lowest price in 30 days

-21% \$9⁴⁹ [Price history](#)

List Price: \$11.99 ⓘ

Pay \$9.49 \$0.00 after using available Prime Visa



Beduan Solid Brass Refill 1 LB Propane Cylinder Cap Camping Gas Tank Caps (Pack of 4)

[Visit the beduan Store](#)

4.8 ★★★★★ (657) | [Search this page](#)

Amazon's Choice

-12% \$7⁵⁹ [Price history](#)

List Price: \$8.59 ⓘ

✓prime Two-Day

Save up to 21% with business pricing. Sign up for a free Amazon Business account

Item Package Quantity: 4