

Your Best Gas Cartridge Partner

- Co2 cartridge for Airsoft gun / Paintball gun
- 4.5mm shooting steel BBs for airsoft
- Co2 cartridge for Soda water
- Co2 cartridge for Red wine
- Co2 cartridge for Lifejacket
- Co2 cartridge for Motorcycle airbag vast
- Co2 cartridge for Bike tire inflator
- Co2 cartridge for Coolifting beauty gun
- Bike tire inflator
- Tire repair kit
- Drain line gun
- Fire extinguisher co2 cartridge



PRODUCT CATALOG-2024



Changzhou Fairdale Metal Tools Co., Ltd. is a leading miniature CO2 cylinder manufacturer in China, we are committed to provide quality products and the overall procurement services to global partners.

Our company was established in 2010 and located in Changzhou, Jiangsu province. We mainly supply with 8g Soda water CO2, 12g airsoft gun cartridge, 12g CO2 Power lets, 16g CO2 cartridge for beer and tire inflator, 24g CO2 Gas cylinders, 33g CO2 cartridge for lifejacket and cool lifting beauty gun, we also have wide range including 38g, 45g, 60g, 88g, 110g, 150g CO2 cartridge for various applications and scenes, customization service accepted.

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12g & 88g CO2 Cartridge



Mainly serves for airsoft gun & paintball gun

Carbon Dioxide Gas Nominal: 12g

Water Capacity Minimum: 14cc

External Diameter Nominal: 18.5mm

Length Approx.: 83mm

Weight Approx.: 45g

Interior pressure: 5.5 MPa

Bursting Pressure Minimum: 54-56 MPa

Thread: Unthreaded

Carbon Dioxide Gas Nominal: 88g

Water Capacity Minimum: 116cc

External Diameter Nominal: 35mm

Length Approx.: 200mm

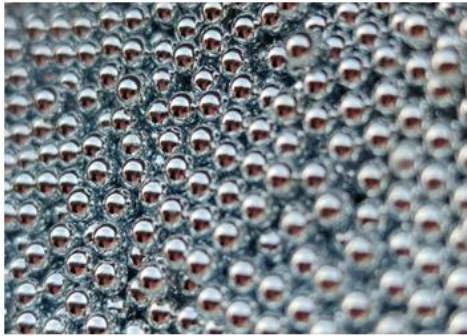
Weight Approx.: 270g

Interior pressure: 5.5 MPa

Bursting Pressure Minimum: 54-56 MPa

Thread: M16*1.5





4.5mm shooting steel BBs for airsoft



8g CO2 Cartridge



Mainly serves for soda water machine

Carbon Dioxide Gas Nominal: 8g

Water Capacity Minimum: 11cc

External Diameter Nominal: 17.8-17.9mm

Length Approx.: 65mm

Weight Approx.: 30g

Interior pressure: 5.5 MPa

Bursting Pressure Minimum: 54-56 MPa

Thread: Unthreaded



6.5g Argon Gas Cartridge



Mainly serves for Coravin red wine machine

Argon Gas Nominal: 6.5g

Water Capacity Minimum: 21cc

External Diameter Nominal: 21.8mm

Length Approx.: 88.6mm

Weight Approx.: 56g

Interior pressure: 5.5 MPa

Bursting Pressure Minimum: 54-56 MPa



24g & 33g CO2 Cartridge



Mainly serves for inflatable lifejacket

Carbon Dioxide Gas Nominal: 24g
Water Capacity Minimum: 34cc
External Diameter Nominal: 25.6mm
Length Approx.: 108mm
Weight Approx.: 97g
Interior pressure: 5.5 MPa
Bursting Pressure Minimum: 54-56 MPa
Thread: 1/2-20UNF

Carbon Dioxide Gas Nominal: 33g
Water Capacity Minimum: 45cc
External Diameter Nominal: 26 mm
Length Approx.: 138.5mm
Weight Approx.: 145g
Interior pressure: 5.5 MPa
Bursting Pressure Minimum: 54-56 MPa
Thread: 1/2 -20UNF

38g , 45g& 74g CO2 Cartridge



Mainly serves for portable inflatable motorcycle
Airbag vest and horse jacket

Carbon Dioxide Gas Nominal: 38g
Water Capacity Minimum: 51cc
External Diameter Nominal: 30.4mm
Length Approx.: 138.5mm
Weight Approx.: 180g
Inside pressure: 5.5 MPa
Bursting Pressure Minimum: 54-56 MPa
CO2 Purity: 99.9%
Thread: 5/8-18UNF thread

Carbon Dioxide Gas Nominal: 45g
Water Capacity Minimum: 60cc
Outside Diameter Nominal: 30.4mm
Length Approx.: 138.5mm
Weight Approx.: 225g
Inside pressure: 5.5 mpa
Bursting Pressure Minimum: 54-56 MPA
CO2 Purity: 99.9%
Thread: 5/8-18UNF thread

38g , 45g& 74g CO2 Cartridge



Mainly serves for portable inflatable motorcycle
Airbag vest and horse jacket

Carbon Dioxide Gas Nominal: 74g

Water Capacity Minimum: 100cc

External Diameter Nominal: 40mm

Length Approx.: 135mm

Weight Approx.: 280g

Inside pressure: 5.5 MPa

Bursting Pressure Minimum: 54-56 MPa

CO2 Purity: 99.9%

Thread: 5/8-18UNF thread

16g CO2 Cartridge



Mainly serves for bike tire inflator



Carbon Dioxide Gas Nominal: 16g
Water Capacity Minimum: 21cc
External Diameter Nominal: 21.8mm
Length Approx.: 88.6mm
Weight Approx.: 56g
Interior pressure: 5.5 MPa
Bursting Pressure Minimum: 54-56 MPa
Thread: Unthreaded and 3/8-24UNF thread)

Internal spare CO2 /Gas Cartridge for fire extinguisher



Technical details

Internal CO2 Cartridge

TYPE	16G	25G	30G	40G	55G	60G	75G	80G
Item No.	BY0101	BY0102	BY0103	BY0104	BY0105	BY0106	BY0107	BY0108
Out-diameter(mm)	28	28	28	28	35	35	35	35
Volume(ml)	22	33	40	54	73.3	80	100	106
CO2 Filled Weight(g)	16	25	30	40	55	60	75	80
Cylinder Length(mm)	135	135	135	165	153	150	175	183
Cylinder with cup of steel Length(mm)	140	140	140	170	158	155	180	188
Working Pressure(Bar)	193							
Test Pressure(Bar)	290							
Min Wall-thickness(mm)	1.5				1.74			
material	St52							
Mark	□0036							

Internal spare CO2 /Gas Cartridge for fire extinguisher

TYPE	90G	120G	135G	150G	160G	180G	200G	225G
Item No.	BY0109	BY0110	BY0111	BY0112	BY0113	BY0114	BY0115	BY0116
Out-diameter(mm)	35	35	35	35	35	40	40	40
Volume(ml)	120	160	180	200	215	240	270	300
CO2 Filled Weight(g)	90	120	135	150	160	180	200	225
Cylinder Length(mm)	200	263	311	313	335	288	350	372
Working Pressure(Bar)	193							
Test Pressure(Bar)	290							
Min Wall-thickness(mm)	1.74					1.94		
material	St52							
Mark								

TYPE	16G	25G	30G	30G	40G	55G	60G	75G
Item No.	BY0201	BY0202	BY0203	BY0204	BY0205	BY0206	BY0207	BY0208
Out-diameter(mm)	28	28	28	30	30	30	30	30
Volume(ml)	24	38	45	45	60	83	90	113
CO2 Filled Weight(g)	16	25	30	30	40	55	60	75
Cylinder Length(mm)	135	135	135	135	165	208	242	273
Working Pressure(Bar)	174							
Test Pressure(Bar)	250							
Min Wall-thickness(mm)	2							
material	20#							

Internal spare CO2 /Gas Cartridge for fire extinguisher

TYPE	80G	90G	120G	135G	150G	160G	180G	200G	225G
Item No.	BY0209	BY0210	BY0211	BY0212	BY0213	BY0214	BY0215	BY0216	BY0217
Out-diameter(mm)	30	30	30	35	35	35	38	38	38
Volume(ml)	120	135	180	205	225	240	270	300	338
CO2 Filled Weight(g)	80	90	120	135	150	160	180	200	225
Cylinder Length(mm)	288	320	385	425	353	388	345	380	425
Working Pressure(Bar)	174								
Test Pressure(Bar)	250								
Min Wall-thickness(mm)	2								
material	20#								

Bike tyre Inflator



33g CO2 Cartridge



Mainly serves for Coolifting beauty gun

Carbon Dioxide Gas Nominal: 33g

Water Capacity Minimum: 45cc

External Diameter Nominal: 26mm

Length Approx.: 138.5mm

Weight Approx.: 145g

Interior pressure: 5.5 MPa

Bursting Pressure Minimum: 54-56 MPa

Thread: 3/8-24UNF

Tire repair kit

Mainly serves for bicycle & motorcycle tire repair kit
Fit with 3/8-24UNF thread 16g co2
cartridge



Drain line gun


Mainly serves for Clears AC condensate line blockage
Fit with unthread 16g co2 cartridge



We also have 20g drain line gun and
16g/20g drain line gun ,if need ,pls
mail me



Technical Specification

Model No.	Picture	Minimum Volume (cc)	Filling weight (g)	diameter (mm)	Length (mm)	Bursting pressure (Mpa)	Water Temperature test(°C)	Thread	Application	Our customer
F18-8g		11	8	18	65	56	60-65	No thread	Soda machine	  
F18.5-12g		14	12	18.5	83	56	60-65	No thread	Airsoft gun	
F21.8-16g		21	16	21.8	89	56	60-65	3/8-24UNF	Tire inflation/Beer	
F22.3-18g		24	18	22.3	90	56	60-65	No thread	Fire extinguisher	
F21.8-20g		28	20	21.8	97	56	60-65	3/8-24UNF	Tire inflation	
F25.6-21g		28	21	25.6	99	56	60-65	1/2-20UNF	Lifejacket	
F25.6-24g		32	24	25.6	108	56	60-65	1/2-20UNF	Lifejacket	
F25.6-28g		39	28	25.6	138.5	56	60-65	1/2-20UNF	Lifejacket	
F25.6-33g		46	33	25.6	138.5	56	60-65	1/2-20UNF & 3/8-24UNF	Lifejacket/Beauty	

Technical Specification

Model No.	Picture	Minimum Volume (cc)	Filling weight (g)	diameter (mm)	Length (mm)	Bursting pressure (Mpa)	Water Temperature test(℃)	Thread	Application	Our customer
F30-38g		51	38	30	138.5	56	60-65	5/8-18UNF	Horse riding airbag	<p>Our Core Advantages: High Quality---Strict quality control,clean inside,nice surface,full weight gas filling, safe packaging</p> <p>Competitive Price---Original manufacturer</p> <p>Monthly Output---8-10*40ft HQ containers</p> <p>Professional Shipment---We are able to arrange shipment to Europe,US, South America</p>
F35-45g		60	45	35	120	56	60-65	5/8-18UNF	Horse riding airbag	
F35-55g		74	55	35	178	56	60-65	1/2-20UNF	Lifejacket	
F35-60g		80	60	35	178	56	60-65	1/2-20UNF	Lifejacket	
F40-74g		99	74	40	135	56	60-65	5/8-18UNF	Beer	
F35-88g		118	88	35	195	56	60-65	M16*1.5	Airsoft gun	
F35-90g		120	90	35	195	56	60-65	M16*1.5	Airsoft gun	
F40-95g		127	95	40	160	56	60-65	5/8-18UNF	Aquarium	
F40-110g		147	110	40	210	56	60-65	1/2-20UNF	Liferaft/Extinguisher	
F40-120g		160	120	40	230	56	60-65	1/2-20UNF	Liferaft/Extinguisher	
F50-150g		200	150	50	220	56	60-65	1/2-20UNF	Liferaft/Extinguisher	
F50-190g		255	160	50	250	56	60-65	1/2-20UNF	Liferaft/Extinguisher	
F50-220g		293	220	50	260	56	60-65	1/2-20UNF	Liferaft/Extinguisher	