

Evolution

FIRE FIGHTING • PPE • GAS CYLINDER

Welding Gas Cylinder N2O



Evolution History

1997

World-Safety Inc. was established in Zhejiang, China, Produce all kinds of valves at the beginning.

2006

The 2nd generation Leo.Ho joined in the company to greatly expand the fire extinguishers business abroad.

2016

Leo.Ho Set up the Evolution Ltd. and acquisition of World-Safety Inc. brand and assets.

2019

All Fire Extinguishers approved EN3-7 from Apragaz and NF.

2020

New production line for covid products. ffp2 mask approved Bsi and Prs. sold on-line (B2C) in EU market approx. 40 mils of ffp2 mask and 10 mils of covid test between 2020 to 2022. Evolution Team accumulated a strong on-line business ability.

2021

It was a strategic turning point in Evolution's history, as Evolution acquired 49% of Nanjing Banqiao Fire Fighting Equipment Co., Ltd. (BX Fire), the one who is the first factory produce high pressure cylinder in China from 1994.

2023

Now our main business:
Fire Fighting / PPE / Gas Cylinder

28 1.5 51

Years Experience

Millions Capacity

Certificates



NINGBO EVOLUTION FIRE SAFETY EQUIPMENT CO., LTD.

ADD: NO.2 TENGJIAO RD., ECONOMIC DEVELOPMENT ZONE, YUYAO, ZHEJIANG, 315400, P.R.CHINA

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FIRE FIGHTING: www.EvolutionFire.com **PPE:** www.EvolutionSafe.com **GAS CYLINDER:** www.EvolutionCylinder.com



Non-Refillable Welding Steel Gas Cylinder (T1) Cream Charger (N2O)

FOLLOW US ON   

- Approval: TPED & DOT
- Standard: ISO 11118 & DOT-39
- Material: Q235 / Q355 / DC04
- Thread: M10*1
- Finish: Phosphated and corrosion resistant powder coated
- Graphics: Labels and logos in screen print, shrink sleeves and stickers are available
- Suitable Gas: N2O, CO2, O2, AR, N2, HE, Mixed Gas etc.
- Valve: Valves installed upon request.
- Accessories: Plastic base, Nozzle can be installed upon request.
- Note1: Custom sizes are also available or check our "Summary of Non-Refillable Welding Steel Gas Cylinder" for more size
- **Note2: For filling gas of N2O, it have to consider the filling ratio 0.62 in china.**



TPED ISO 11118 

SKU	Water Capacity			Diameter		Length		Service Pressure		N2O Weight		Weight	
	liters	cuin	lbs	mm	in	mm	in	bar	psi	kgs	lbs	kgs	lbs
EVO-70-0.30-110-2.49-TPED	0.30	18.31	0.66	70	2.76	110	4.33	110	1600	0.188	0.414	0.44	0.97
EVO-70-0.30-120-2.49-TPED	0.30	18.31	0.66	70	2.76	110	4.33	120	1740	0.204	0.449	0.44	0.97
EVO-70-0.50-110-2.49-TPED	0.50	30.51	1.10	70	2.76	170	6.69	110	1600	0.313	0.689	0.72	1.58
EVO-70-0.50-120-2.49-TPED	0.50	30.51	1.10	70	2.76	170	6.69	120	1740	0.340	0.748	0.72	1.58
EVO-70-0.60-110-2.49-TPED	0.60	36.61	1.32	70	2.76	200	7.87	110	1600	0.375	0.825	0.86	1.89
EVO-70-0.60-120-2.49-TPED	0.60	36.61	1.32	70	2.76	200	7.87	120	1740	0.408	0.898	0.86	1.89
EVO-70-0.95-110-2.49-TPED	0.95	57.97	2.09	70	2.76	305	12.01	110	1600	0.594	1.307	1.35	2.97
EVO-70-0.95-120-2.49-TPED	0.95	57.97	2.09	70	2.76	305	12.01	120	1740	0.646	1.421	1.35	2.97
EVO-70-1.05-110-2.49-TPED	1.05	64.07	2.31	70	2.76	335	13.19	110	1600	0.656	1.443	1.49	3.28
EVO-70-1.05-120-2.49-TPED	1.05	64.07	2.31	70	2.76	335	13.19	120	1740	0.714	1.571	1.49	3.28
EVO-101-2.20-110-2.90-TPED	2.20	134.25	4.84	101	3.98	343	13.50	110	1600	1.375	3.025	2.65	5.83
EVO-101-2.20-120-2.90-TPED	2.20	134.25	4.84	101	3.98	343	13.50	120	1740	1.496	3.291	2.65	5.83
EVO-118-3.30-110-3.14-TPED	3.30	201.38	7.26	118	4.65	367	14.45	110	1600	2.063	4.539	4.02	8.84
EVO-118-3.30-110-3.14-TPED	3.30	201.38	7.26	118	4.65	367	14.45	120	1740	2.244	4.937	4.02	8.84

DOT-39  U.S. Department of Transportation

SKU	Water Capacity			Diameter		Length		Service Pressure		N2O Weight		Weight	
	liters	cuin	lbs	mm	in	mm	in	bar	psi	kgs	lbs	kgs	lbs
EVO-80-0.95-1600-1.90-DOT	0.95	57.97	2.09	80	3.15	235	9.25	110	1600	0.64	1.408	1.1	2.42

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Summary of Non-Refillable Welding Steel Gas Cylinder (T1) by Standard

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TPED ISO 11118

SKU	Diameter		Water Capacity			Service Pressure		Testing Pressure		Min.Thickness	
	mm	in	liters	cuin	lbs	bar	psi	bar	psi	mm	in
EVO-70-V-110-2.49-TPED	70	2.76	0.25-1.40	15.26~85.43	0.55~3.08	110	1595	165	2393	2.49	0.098
EVO-70-V-120-2.49-TPED	70	2.76	0.25-1.40	15.26~85.43	0.55~3.08	120	1740	180	2610	2.49	0.098
EVO-101-V-110-2.90-TPED	101	3.98	1.50-3.40	91.54~207.48	3.3~7.48	110	1595	165	2393	2.90	0.114
EVO-101-V-120-2.90-TPED	101	3.98	1.50-3.40	91.54~207.48	3.3~7.48	120	1740	180	2610	2.90	0.114
EVO-118-V-110-3.14-TPED	118	4.65	1.80-4.70	109.84~286.81	3.96~10.34	110	1595	165	2393	3.14	0.124
EVO-118-V-120-3.14-TPED	118	4.65	1.80-4.70	109.84~286.81	3.96~10.34	120	1740	180	2610	3.14	0.124

DOT-39

SKU	Approval	Diameter		Water Capacity			Service Pressure		Testing Pressure		Thickness	
		mm	in	liters	cuin	lbs	bar	psi	bar	psi	mm	in
EVO-80-0.95-1600-1.90-DOT	DOT-39	80	3.15	0.95	57.97	2.09	110	1600	138	2000	1.9	0.075

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