

Summary

Gas Cylinder



Summary of Refillable Aluminum Gas Cylinder (T1) by Standard

- Approval: TPED & DOT & TS & PED
- Material: AA 6061
- Thread: Follow Technical Data Sheet(EVO-THREAD)
- Finish: Full Brushed/Polished/Powder Coat/Shot blaster with unpainted or painted crown
- Graphics: Labels and logos available upon request
- Valve: Valves installed upon request
- Accessories: Carrying handle, Caps&Collars are available upon request

TPED ISO 7866 TÜVRheinland®

SKU	Diameter		liters	Water Capacity		Service Pressure		Testing Pressure		Min.Thickness	
	mm	in		cuin	lbs	bar	psi	bar	psi	mm	in
LW60-V-166-TPED	60.00	2.36	0.40-0.67	24.41-40.89	0.88-1.47	166	2407	250	3625	3.20	0.126
LW60.5-V-200-TPED	60.50	2.38	0.35-0.70	21.36-42.72	0.77-1.54	200	2900	300	4350	4.00	0.157
LW90-V-166-TPED	90.00	3.54	0.70-1.60	42.72-97.64	1.54-3.52	166	2407	250	3625	4.90	0.193
LW90-V-200-TPED	90.00	3.54	0.70-1.60	42.72-97.64	1.54-3.52	200	2900	300	4350	5.90	0.232
LW120-V-166-TPED	120.00	4.72	1.40-4.50	85.43-274.61	3.08-9.90	166	2407	250	3625	6.60	0.260
LW140-V-166-TPED	140.00	5.51	4.00-8.00	244.10-488.20	8.80-17.60	166	2407	250	3625	7.60	0.299
LW184-V-166-TPED	184.00	7.24	6.00-15.00	366.14-915.36	13.20-33.00	166	2407	250	3625	10.10	0.398
LW203-V-166-TPED	203.00	7.99	11.00-20.00	671.26-1220.48	24.20-44.00	166	2407	250	3625	11.20	0.441

DOT-3AL U.S.Department of Transportation

SKU	Diameter		liters	Water Capacity		Service Pressure		Testing Pressure		Min.Thickness	
	mm	in		cuin	lbs	bar	psi	bar	psi	mm	in
LF-50-3625-V-DOT	50.00	1.97	0.26-0.46	15.87-28.07	0.57-1.01	250	3625	417	6042	4.20	0.165
LF-61-3000-V-DOT	61.00	2.40	0.40-0.70	24.41-42.72	0.88-1.54	207	3000	345	5000	4.25	0.167
LF-81.5-2216-V-DOT	81.50	3.21	0.71-1.29	43.33-78.72	1.56-2.83	153	2216	254.8	3694	4.15	0.163
LF-90-3000-V-DOT	90.00	3.54	0.92-1.68	56.14-102.52	2.02-3.69	207	3000	345	5000	6.20	0.244
LF-111.3-2015-V-DOT	111.30	4.38	1.20-2.00	73.23-122.05	2.64-4.40	139	2015	232	3359	5.15	0.203
LF-133.4-2216-V-DOT	133.40	5.25	3.90-7.00	238.00-427.17	8.58-15.40	153	2216	254.8	3694	6.74	0.265
EVO-LW-133-V-1800-DOT	133.00	5.24	2.10-4.70	128.15-286.81	4.62-10.34	124	1800	207	3000	5.47	0.215
EVO-LW-175-V-1800-DOT	175.00	6.89	4.70-13.10	286.81-799.41	10.34-28.82	124	1800	207	3000	7.19	0.283
EVO-LW-203-V-1800-DOT	203.00	7.99	9.40-17.50	573.62-1067.92	20.68-38.50	124	1800	207	3000	8.34	0.328

GB/T 11640

SKU	Diameter		liters	Water Capacity		Service Pressure		Testing Pressure		Min.Thickness	
	mm	in		cuin	lbs	bar	psi	bar	psi	mm	in
LW81.5-V-15-GB-LF	81.5	3.21	0.70-1.50	42.72-91.54	1.54-3.30	150	2175	225	3262	4.00	0.157
LW140-V-15-GB-LF	140	5.51	3.00-9.00	183.07-549.21	6.60-19.80	150	2175	225	3262	6.80	0.268
LW203-V-15-GB-LF	203	7.99	8.00-20.00	488.19-1220.48	17.60-44.00	150	2175	225	3262	9.90	0.390
LW111-V-20-GB-LF	111	4.37	1.10-4.00	67.13-244.10	2.42-8.80	200	2900	300	4350	7.40	0.291
LW140-V-20-GB-LF	140	5.51	3.00-9.00	183.07-549.21	6.60-19.80	200	2900	300	4350	9.30	0.366
LW184-V-20-GB-LF	184	7.24	6.00-15.00	366.14-915.36	13.20-33.00	200	2900	300	4350	12.20	0.480

PED BS 5045

SKU	Diameter		liters	Water Capacity		Service Pressure		Testing Pressure		Min.Thickness	
	mm	in		cu in	lbs	bar	psi	bar	psi	mm	in
EVO-LW-111-V-174-H	111.00	4.37	2.10-4.70	128.15-286.81	4.62-10.34	174	2523	250	3625	5.16	0.203
EVO-LW-117-V-174-H	117.00	4.61	2.40-4.80	146.46-292.91	5.28-10.56	174	2523	250	3625	5.44	0.214
EVO-LW-152-V-174-H	152.00	5.98	5.40-11.80	329.53-720.08	11.88-25.96	174	2523	250	3625	7.06	0.278
EVO-LW-111-V-169.3-H	111.00	4.37	2.10-4.70	128.15-286.81	4.62-10.34	169.3	2455	220	3190	4.51	0.178
EVO-LW-140-V-169.3-H	140.00	5.51	4.40-8.30	268.50-506.50	9.68-18.26	169.3	2455	220	3190	5.68	0.224
EVO-LW-152-V-169.3-H	152.00	5.98	5.60-11.8	341.73-720.08	12.32-25.96	169.3	2455	220	3190	6.17	0.243



BXFIRE

BX FIRE has formally integrated into EvolutionFire Ltd.effective from Dec 31th 2021.

BXFIRE History

Nanjing Banqiao Fire-Fighting Equipment Co.,Ltd.(BXFIRE) was founded in 1995,it's the 1st factory produce CO2 FireExtinguishers in China.

The factory covers an area of 65000 square workshop,the annual productive capacity is 1.5 million sets of CO2 fire extinguishers.

All products are approved CE from TUV.

What are the benefits of the integration for our customers?

By uniting the capabilities and resources of BX FIRE and Evolution as a consolidated entity,we can now offer a more range of FireExtinguishers,not CO2 FireExtinguishers only.

All FireExtinguishers are approved EN3 from Apragaz,NF and BSI,as well as MED from Apragaz.

What will change and what will stay the same ?

The production address will be the same.

The certificate of gas cylinder will be still under the company "BX Fire".

The mail address keep @BXfire.com or @EvolutionSafe.com

The BX Fire website(www.BXfire.com) have migrated to www.EvolutionCylinder.com

Contact info.:

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BXfire@BXfire.com

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NINGBO EVOLUTION FIRE SAFETY EQUIPMENT CO., LTD.

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

T: +86 574 6252 2288 **E:** info@EvolutionSafe.com

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



Summary of Refillable Steel Gas Cylinder (T1) by Standard PED & TPED

- Approval: PED & TPED from TUV SUD
- Material: 34CrMo4
- Thread: Follow Technical Data Sheet(EVO-THREAD)
- Finish: Polished/Powder Coat/Shot blaster with unpainted or painted crown
- Graphics: Labels and logos available upon request
- Valve: Valves installed upon request
- Accessories: Carrying handle, Caps&Collars are available upon request

PED ISO 9809-1

SKU	Diameter		Water Capacity			Service Pressure		Testing Pressure		Min.Thickness	
	mm	in	liters	cuin	lbs	bar	psi	bar	psi	mm	in
BXP104-V-250-2.29-A	104	4.09	1.78-4.85	108.62-295.97	3.92-10.67	174	2523	250	3625	2.29	0.090
BXP104-V-250-2.29-TB	104	4.09	1.80-4.85	109.84-295.97	3.96-10.67	174	2523	250	3625	2.29	0.090
BXP116-V-250-2.38-A	116	4.57	2.60-4.85	158.66-295.97	5.72-10.67	174	2523	250	3625	2.38	0.094
BXP136-V-250-2.78-A	136	5.35	4.27-11.80	260.57-720.08	9.39-25.96	174	2523	250	3625	2.78	0.109
BXP136-V-250-2.78-TB	136	5.35	4.11-11.81	250.81-720.69	9.04-25.98	174	2523	250	3625	2.78	0.109
BXP154-V-250-3.14-A	154	6.06	6.40-23.27	390.55-1420.02	14.08-51.19	174	2523	250	3625	3.14	0.124
BXP154-V-250-3.14-TB	154	6.06	6.03-20.96	367.97-1279.06	13.27-46.11	174	2523	250	3625	3.14	0.124
BXP104-V-315-2.55-A	104	4.09	1.78-4.82	108.62-294.13	3.92-10.60	216.1	3133.5	315	4567.5	2.55	0.100
BXP104-V-315-2.55-T	104	4.09	1.80-4.72	109.84-288.03	3.96-10.38	216.1	3133.5	315	4567.5	2.55	0.100
BXP104-V-315-2.55-TB	104	4.09	1.80-4.72	109.84-288.03	3.96-10.38	216.1	3133.5	315	4567.5	2.55	0.100
BXP116-V-315-2.58-A	116	4.57	2.62-6.35	159.88-387.50	5.76-13.97	216.1	3133.5	315	4567.5	2.58	0.102
BXP116-V-315-2.58-T	116	4.57	2.60-6.40	158.66-390.55	5.72-14.08	216.1	3133.5	315	4567.5	2.58	0.102
BXP116-V-315-2.58-TB	116	4.57	2.60-6.40	158.66-390.55	5.72-14.08	216.1	3133.5	315	4567.5	2.58	0.102
BXP136-V-315-3.01-A	136	5.35	4.22-10.60	257.52-646.85	9.25-23.32	216.1	3133.5	315	4567.5	3.01	0.119
BXP136-V-315-3.01-T	136	5.35	4.08-10.57	248.98-645.02	8.98-23.25	216.1	3133.5	315	4567.5	3.01	0.119
BXP136-V-315-3.01-TB	136	5.35	4.08-10.57	248.98-645.02	8.98-23.25	216.1	3133.5	315	4567.5	3.01	0.119
BXP154-V-315-3.40-A	154	6.06	6.45-14.70	393.60-897.05	14.19-32.34	216.1	3133.5	315	4567.5	3.40	0.134
BXP154-V-315-3.40-T	154	6.06	6.13-14.86	374.08-906.81	13.49-32.69	216.1	3133.5	315	4567.5	3.40	0.134
BXP154-V-315-3.40-TB	154	6.06	6.13-14.86	374.08-906.84	13.49-32.69	216.1	3133.5	315	4567.5	3.40	0.134
BXP140-V-450-4.50-T	140	5.51	4.40-9.56	268.50-583.39	9.68-21.03	314.5	4560	450	6525	4.50	0.177
BXP140-V-315-3.07-A	140	5.51	4.00-19.30	244.09-1177.74	8.80-42.46	216	3132	315	4567.5	3.07	0.121

TPED ISO 9809-1

SKU	Diameter		Water Capacity			Service Pressure		Testing Pressure		Min.Thickness	
	mm	in	liters	cuin	lbs	bar	psi	bar	psi	mm	in
BXT104-V-210-2.55-A	104	4.09	1.78-4.76	108.62-290.47	3.92-10.47	210	3045	315	4567.5	2.55	0.100
BXT104-V-210-2.55-TB	104	4.09	1.80-4.72	109.84-288.03	3.96-10.38	210	3045	315	4567.5	2.55	0.100
BXT116-V-210-2.58-A	116	4.57	2.62-6.30	159.88-384.45	5.76-13.86	210	3045	315	4567.5	2.58	0.102
BXT116-V-210-2.58-TB	116	4.57	2.60-6.30	158.66-384.45	5.72-13.86	210	3045	315	4567.5	2.58	0.102
BXT136-V-210-3.01-A	136	5.35	4.22-10.50	257.52-640.75	9.28-23.10	210	3045	315	4567.5	3.01	0.119
BXT136-V-210-3.01-TB	136	5.35	4.08-10.74	248.98-655.40	8.98-23.63	210	3045	315	4567.5	3.01	0.119
BXT140-V-300-4.50-T	140	5.51	4.40-9.56	268.50-583.39	9.68-21.03	300	4350	450	6525	4.50	0.177
BXT154-V-210-3.40-A	154	6.06	6.45-14.58	393.60-889.73	14.19-32.08	210	3045	315	4567.5	3.40	0.134
BXT154-V-210-3.40-TB	154	6.06	6.13-14.74	374.08-899.49	13.49-32.43	210	3045	315	4567.5	3.40	0.134
BXT154-V-166.7-3.14-A	154	6.06	6.40-23.31	390.55-1422.46	14.08-51.28	166.7	2418	250	3625	3.14	0.124
BXT203-V-200-4.60-A	203	7.99	10.00-46.50	610.24-2837.60	22.00-102.30	200	2900	300	4350	4.60	0.181

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