



Declaration of conformity

according to directive 2014/68/EU for a pressure equipment

We, Zhejiang Kaibo Pressure Vessel co.,Ltd.

No.15, Zijin Road, Xiaoyue Town, Shangyu City, Zhejiang Province. China

herewith declares, that the pressure equipment

Description	Composite cylinder for breathing apparatus
Type	T4CC158-6.8-30-A
Serial No.	7025002001—7025002202 (不包括 7025002026, 7025002202)
Manufacture date	08/2025
Weight	2.6 Kg
Thread	M18*1.5
Max.allowable pressure PS	300bar
Allowable max./min temperature TS	-40/+60℃
Volume	6.8 L
Test pressure PT	450bar
Pressure test medium	Water
Fluid/ fluidgroup	Breathable air only EN12021/2

Corresponds to the pressure equipment directive 2014/68/EU

Applied conformity assessment procedures/

Applied standards and technical specifications.

Engaged notified body.

Examination/inspection/test during manufacturing

Certificates which are included.

Certificates No: Module B 12074/5/52024-CERT-01 Module C2 34771/2023

Location, Date:

Module B
Module C2
EN12245:2022

1354

TECHNICKA INSPEKCIA, a.s.
Trnavska cesta 56, Bratislava
SLOVAKIA

Shang Yu. 08/2025

Signature:

Zhejiang Kaibo Pressure Vessel Co., Ltd.

浙江凯博压力容器有限公司

Composite cylinder for breathing apparatus certificate

呼吸器用复合气瓶批量检验质量证明书

Part No. 气瓶型号: T4CC158-6.8-30-A Drawing No. 产品图号:

QCR158-3.7-9.0-30-A Medium 盛装介质: breathable air only EN 12021

Batch No.: 7025002 Type approval No.: 12074/5/2024-CERT-01 Batch amount 本批气瓶
共 200 PCS 只, Cylinder number From 编号从 7025002001 号 to 至 0725002202 号,

Not include the following 其中不包括下列瓶号 7025002026、7025002202

Finished Cylinder		Liner		Composite Material	
Water capacity	6.8L	Material	PET	Fibre(s)	SYT49S
Test Pressure	450bar	Density	1.39g/m ³	Fibre(s) Tensile Strength	5360MPa
Diameter	158mm	Melting Point	254°C	Fibre(s) Modulus	242GPa
Length	326mm	Glass Transition Temperature	78°C	Matrix components	Epoxy resin DER 383 LCL+D230
Thread	M18*1.5-6H	Auto-ignition temperature	510°C	Shear Strength	35MPa
		Min. thickness	0.35mm	Thickness	7.0mm

Metal End Boss			
Material	Min. Tensile Strength	Min. Yield Stress	Elongation
AA 6061 T6	290MPa	260MPa	12.5%

C.4 Hydraulic pressure burst test 水压爆破试验

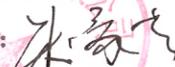
Cylinder number 气瓶编号 7025002026 Burst Pressure 爆破压力 107 MPa

C.5 Pressure cycling test 疲劳试验

Cylinder number 气瓶编号 7025002202 Burst Pressure 疲劳试验后剩余爆破压力 104 MPa

The inspection and testing meet the requirements of EN12245:2022, batch cylinders are qualified products. 经检查和试验符合 EN12245:2022 的要求, 该批气瓶是合格产品

Manufacturer 气瓶制造单位(检验专用章):

Signature 检验负责人: 

Date 日期: 



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according to directive 2014/68/EU for a pressure equipment

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No.15, Zijin Road, Xiaoyue Town, Shangyu City, Zhejiang Province. China

herewith declares, that the pressure equipment

Description	Composite cylinder for breathing apparatus
Type	T4CC158-6.8-30-A
Serial No.	7025003001—7025003202 (不包括 7025003070, 7025003202)
Manufacture date	08/2025
Weight	2.6 Kg
Thread	M18*1.5
Max.allowable pressure PS	300bar
Allowable max./min temperature TS	-40/+60℃
Volume	6.8 L
Test pressure PT	450bar
Pressure test medium	Water
Fluid/ fluidgroup	Breathable air only EN12021/2

Corresponds to the pressure equipment directive 2014/68/EU

Applied conformity assessment procedures/

Applied standards and technical specifications.

Engaged notified body.

Examination/inspection/test during manufacturing

Certificates which are included.

Certificates No: Module B 12074/5/52024-CERT-01 Module C2 347/1/2023

Location, Date:

Module B
Module C2
EN12245:2022

1354
TECHNICKA INSPEKCIA, a.s.
Trnavska cesta 56, Bratislava
SLOVAKIA

Shang Yu. 08/2025

Signature:

Zhejiang Kaibo Pressure Vessel Co., Ltd.

浙江凯博压力容器有限公司

Composite cylinder for breathing apparatus certificate

呼吸器用复合气瓶批量检验质量证明书

Part No. 气瓶型号: T4CC158-6.8-30-A Drawing No. 产品图号:

QCR158-3.7-9.0-30-A Medium 盛装介质: breathable air only EN 12021

Batch No.: 7025003 Type approval No.: 12074/5/2024-CERT-01 Batch amount 本批气瓶共 200 PCS 只, Cylinder number From 编号从 7025003001 号 to 至 0725003202 号,

Not include the following 其中不包括下列瓶号 7025003070、7025003202

Finished Cylinder		Liner		Composite Material	
Water capacity	6.8L	Material	PET	Fibre(s)	SYT49S
Test Pressure	450bar	Density	1.39g/m ³	Fibre(s) Tensile Strength	5360MPa
Diameter	158mm	Melting Point	254°C	Fibre(s) Modulus	242GPa
Length	326mm	Glass Transition Temperature	78°C	Matrix components	Epoxy resin DER 383 LCL+D230
Thread	M18*1.5-6H	Auto-ignition temperature	510°C	Shear Strength	35MPa
		Min. thickness	0.35mm	Thickness	7.0mm

Metal End Boss			
Material	Min. Tensile Strength	Min. Yield Stress	Elongation
AA 6061 T6	290MPa	260MPa	12.5%

C.4 Hydraulic pressure burst test 水压爆破试验

Cylinder number 气瓶编号 7025003070 Burst Pressure 爆破压力 108 MPa

C.5 Pressure cycling test 疲劳试验

Cylinder number 气瓶编号 7025003202 Burst Pressure 疲劳试验后剩余爆破压力 105 MPa

The inspection and testing meet the requirements of EN12245:2022, batch cylinders are qualified products. 经检查和试验符合 EN12245:2022 的要求, 该批气瓶是合格产品

Manufacturer 气瓶制造单位 (检验专用章):

Signature 检验负责人:

Date 日期: 2025.8.11





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We, Zhejiang Kaibo Pressure Vessel co.,Ltd.

No.15, Zijin Road, Xiaoyue Town, Shangyu City, Zhejiang Province. China

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Description	Composite cylinder for breathing apparatus
Type	T4CC158-6.8-30-A
Serial No.	7025004001—7025004172 (不包括 7025004101, 7025004172)
Manufacture date	082025
Weight	2.6 Kg
Thread	M18*1.5
Max.allowable pressure PS	300bar
Allowable max./min temperature TS	-40/+60℃
Volume	6.8 L
Test pressure PT	450bar
Pressure test medium	Water
Fluid/ fluidgroup	Breathable air only EN12021/2

Corresponds to the pressure equipment directive 2014/68/EU

Applied conformity assessment procedures/

Applied standards and technical specifications.

Engaged notified body.

Examination/inspection/test during manufacturing

Certificates which are included.

Certificates No: Module B 12074/5/52024-CERT-01 Module C2 34771/2023

Location, Date:

Module B

Module C2

EN12245:2022

1354

TECHNICKA INSPEKCIA, a.s.

Trnavska cesta 56, Bratislava

SLOVAKIA

Shang Yu. 08/2025

Signature:

Zhejiang Kaibo Pressure Vessel Co., Ltd.

浙江凯博压力容器有限公司

Composite cylinder for breathing apparatus certificate

呼吸器用复合气瓶批量检验质量证明书

Part No.气瓶型号: T4CC158-6.8-30-A Drawing No.产品图号:

QCR158-3.7-9.0-30-A Medium 盛装介质: breathable air only EN 12021

Batch No.: 7025004 Type approval No.:12074/5/2024-CERT-01 Batch amount 本批气瓶
共 170 PCS 只, Cylinder number From 编号从 7025004001 号 to 至 0725004172 号,

Not include the following 其中不包括下列瓶号 7025004101、7025004172

Finished Cylinder		Liner		Composite Material	
Water capacity	6.8L	Material	PET	Fibre(s)	SYT49S
Test Pressure	450bar	Density	1.39g/m ³	Fibre(s) Tensile Strength	5360MPa
Diameter	158mm	Melting Point	254°C	Fibre(s) Modulus	242GPa
Length	326mm	Glass Transition Temperature	78°C	Matrix components	Epoxy resin DER 383 LCL+D230
Thread	M18*1.5-6H	Auto-ignition temperature	510°C	Shear Strength	35MPa
		Min. thickness	0.35mm	Thickness	7.0mm

Metal End Boss			
Material	Min. Tensile Strength	Min. Yield Stress	Elongation
AA 6061 T6	290MPa	260MPa	12.5%

C.4 Hydraulic pressure burst test 水压爆破试验

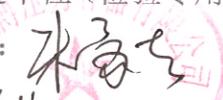
Cylinder number 气瓶编号 7025004101 Burst Pressure 爆破压力 106 MPa

C.5 Pressure cycling test 疲劳试验

Cylinder number 气瓶编号 7025004172 Burst Pressure 疲劳试验后剩余爆破压力 103 MPa

The inspection and testing meet the requirements of EN12245:2022, batch cylinders are qualified products. 经检查和试验符合 EN12245:2022 的要求, 该批气瓶是合格产品

Manufacturer 气瓶制造单位 (检验专用章):

Signature 检验负责人: 

Date 日期: 2025-8-11

