

EC CERTIFICATE OF CONFORMITY

*This is to certify that Lloyd's Register Verification, a Notified Body under the terms of:
The Pressure Equipment Directive 97/23/EC;
The Pressure Equipment Regulations 1999, UK Statutory Instrument 1999 No. 2001 and 2002 N. 1267,
did (in accordance with Module F of the Directive) undertake an EC Product Verification on the stated
pressure equipment to ensure its conformity with the requirements of the Directive which apply to it. The
equipment identified below was shown to comply.*

This certificate is issued to:

APPLICANT:

**Faber Industrie S.p.A.
Cividale del Friuli
Udine
Italy**

PRODUCT DESCRIPTION:

**Cylinders for breathing apparatus
Drawing No.: EN-203-318-890 REV.1**

**Quantity
200**

**Capacity (L)
15.0**

**Batch & Serial No.
08/1317/001÷202**

**Manufacture date
2008/05**

*The above batch of Pressure Equipment, has been manufactured in accordance with EC Type Examination
Certificate No:*

CE-PED-B-FAB001-02-ITA REV.A

issued by Bureau Veritas - Italy, Notified Body No. 0062, on 19 March 2003.

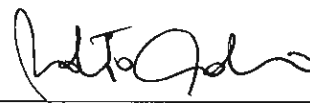
*As verified in the Manufacturer's Inspection and Test Certificate No: 08/1317 dated 05 June 2008 and
manufacturing/production record endorsed by our Trieste Surveyors, Ref: VR-TRI 0830303/163, the final
inspection and proof test in accordance with the requirements of Section 3.2 of the essential safety requirements
was carried out on the above equipment.*

Certificate No: 0038/PED/TRI 0830303/163

Date of Issue: 16 June 2008

Certificate Issue: 1

LRV Notified Body Number 0038



R. Costantino for and on behalf of Lloyd's Register Verification

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in the contract.

Lloyd's Register Verification is the business name of Lloyd's Register Verification Limited, a member of the Lloyd's Register Group.
Registration number 4929226 and registered office is at 71 Fenchurch Street London EC3M 4BS, England.

	<p align="center">CONFORMITY DECLARATION (according to European Directive 97/23/CE -Annex VII) DICHIARAZIONE DI CONFORMITA' (ai sensi della Direttiva Europea 97/23/CE -Allegato VII)</p>	<p align="right">PAG. 1 OF 1</p>
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The Company Faber Industrie s.p.a. – Via dell'Industria, 23 - XI Zona Industriale Cividale del Friuli (UD) – ITALY,
 La società Faber Industrie s.p.a. – con sede in Via dell'Industria, 23 - XI Zona Industriale Cividale del Friuli (UD) – ITALIA,

DECLARES
DICHIARA

that the manufactured pressure equipment:
che l'attrezzatura a pressione costruita:

Definition: **CYLINDER FOR BREATHING APPARATUS**
Definizione: BOMBOLE PER APPARECCHIO RESPIRATORE

Drawing N°: **EN-203-318-890 REV.1**
N° disegno:

Water capacity V **15** litre/ litri
Capacità

Min. e max. allowable temperatures: **-50 ÷ +65 °C**
Temperatura min. e max. ammissibili:

Operating fluid: **1002 AIR**
Fluido contenuto:

Max. allowable pressure: **200** bar
Pressione max. ammissibile:

Manufacturer N° / N° di fabbrica

No. of cylinders / numero di bombole

from/ dal **08/1317/001** to/ al **08/1317/202**

184

MEETS THE REQUIREMENTS OF DIRECTIVE 97/23/CE
E' CONFORME AI REQUISITI DELLA DIRETTIVA 97/23/CE

1. Conformity assessment procedures used: Module **B+F** (Category **III**) (Reference to Annex II and III of Directive 97/23/CE)
Procedura/e di valutazione di conformità utilizzata: Modulo B+F (Categoria III) (Riferimento allegati II e III della Direttiva 97/23/CE)
2. Notified Body charged of the conformity assessment: N° **0038 LLOYD'S REGISTER**
Organismo Notificato incaricato della valutazione di conformità: N°
3. Registration number of "CE Type Examination Certificate": **CE-PED-B-FAB001-02-ITA REV.A**
Estremi dell'Attestato dell'esame CE del tipo:
4. Not harmonized standards applied to designing and manufacture: **EN 1964-1:1999**
Norme non armonizzate applicate alla progettazione ed alla costruzione:
5. Harmonized standards applied to designing and manufacture: **None**
Norme armonizzate applicate alla progettazione ed alla costruzione: Nessuna
6. Others European Directives applied to the equipment: **None**
Eventuali altre Direttive europee applicate all'attrezzatura: Nessuna
7. Registration number of Conformity Certificate issued by the Notified Body charged of assessment procedure
 "Module F": **0038/PED/TRI 0830303/163**
Estremi dell'Attestato di Conformità rilasciato dall'Organismo Notificato incaricato della procedura di valutazione "Modulo F":


It is declared that the equipment has been hydraulic tested with favourable result at the pressure of: (PT) **318** bar, it is marked CE **0038** and with identification data and the working parameters upside reported.

Dichiara inoltre che l'attrezzatura è stata sottoposta con esito favorevole a prova di pressione idraulica di : (PT) 318 bar, che è stata marcata CE 0038 e con i dati identificativi e le caratteristiche di esercizio sopra riportati.

The assembly must be subjected to a global conformity assessment procedure described in the directive PED 97/23/CE.
L'insieme deve essere sottoposto ad una procedura globale di valutazione di conformità così come previsto dalla direttiva PED 97/23/CE.

Cividale del Friuli 05/06/2008

Faber Industrie S.p.A.


INDUSTRIE S.p.A.
 Cividale del Friuli

Manufacturer: **FABER INDUSTRIE SPA - CIVIDALE DEL FRIULI - UDINE- ITALY**Inspection: **LLOYD'S REGISTER**Specification: **EN 1964-1:1999 (PED)**Customer: **Aerotecnica Coltri S.r.l.**Owner stamping: **COLTRI SUB**

Manufacturer serial No. :

From **08/1317/001** to **08/1317/202**Customer's order No. : **230920071012**Gas: **1002 AIR**Total cylinders: **184**Type of cylinder: **Seamless steel gas cylinders**Material: **34CRMO4**Working pressure at 15° C: **200 bar**Working temperature: **-50° ÷ +65° C****Nominal data**

Drawing no.	Test Pressure (bar)	Minimum Thickness		Nominal Diameter (mm)	Nominal Length without valve (mm)	Nominal Water Capacity (l)	Nominal Weight (Kg)
		wall (mm)	base (mm)				
EN-203-318-890 REV.1	318	4.5	4.5	203	610	15	16.2

We hereby certify that the cylinders of the batch no. **08/1317** comply with the following requirementsManufacturing process: cylinders manufactured from **plate**Neck thread : **M25X2 EN 144-1 2000**Identification marks stamped on cylinders shoulder according to drawing: **PPED004 2****Minimum cylindrical shell thickness:**The wall thickness of all cylinders has been measured and found to be not less than : **4.5 mm****Hardness range:**All cylinders have been controlled within the following hardness values: **Min 306 HB, Max 333 HB****Heat treatment:**

All cylinders have been heat treated at the following temperatures:

Liquid quench: **900 °C ± 20 °C**Temper at: **570 °C ± 30 °C****Chemical analysis:**Material: **34CRMO4**The cylinders of the batch no. **08/1317** have been manufactured from the following cast(s) of steel:

Cast Numb.	Code (*)	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Mo (%)	S+P (%)
558303	BXB	0.33	0.24	0.80	0.013	0.003	0.97	0.22	0.016

(*)marked on outer bottom surface

Date: **05/06/2008**

For and on behalf of the manufacturer:

Faber
INDUSTRIE S.p.A.
Cividale del Friuli

For and on behalf of A.I.A. *



MEASUREMENTS OF SAMPLE CYLINDERS:

Cylinder Serial no.	Water Capacity (L)	Empty Weight (Kg)	Minimum measured thickness	
			of the wall (mm)	of the base (mm)
08/1317/201	15	16.20	4.9	5.9
08/1317/202	15	16.20	4.9	5.9

MECHANICAL TESTS CARRIED OUT ON SAMPLE CYLINDERS:

Cylinder Serial no.	Code (*)	Test piec dimension (mm)	Yield strength (MPa)	Tensile strength (MPa)	Elongation (%)	Impact test -50°C			Bend test 180° without cracking
						Direction	Individual (J/cm²)	Mean (J/cm²)	
08/1317/201	BXB	10.1 x 5.1	923	1029	14.8	TRASV	69 64 64	65	SATISF.
Minimum values specified			890	990	14		24	30	

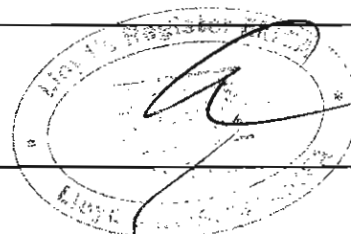
BURST TESTS CARRIED OUT ON SAMPLE CYLINDERS:

Cylinder Serial no.	Code (*)	Hydraulic burst test bar	Description of the fracture
08/1317/202	BXB	575	LONGITUDINAL
Minimum values specified		509	

For and on behalf of the manufacturer:

Faber
INDUSTRIE S.p.A.
Civiale del Friuli

For and on behalf of A.I.A.



TESTING OBJECT:

CYLINDER ACCORDING TO DRAWING: **EN-203-318-890 REV.1**

OUTSIDE DIAMETER: **203 mm** WATER CAPACITY: **15 l**

MIN. WALL THICKNESS: **4.5 mm** NOMINAL LENGTH: **610 mm**

FROM CYLINDER SERIAL No. : **08/1317/001** to **08/1317/202**

TEST TECHNICAL DATA:

EXAMINATION STANDARD: **EN 1964-1**

INSPECTED PART: **CYLINDRICAL WALL**

EXTENTION OF EXAMINATION: **100 %**

FABRICATION STAGE: **AFTER HEAT TREATMENT (QUENCHING AND TEMPERING), SHOT BLASTING
AND BEFORE PRESSURE TESTING**

PROBES: **LONGITUDINAL, TRANSVERSAL AND THICKNESS**

COUPLANT: **EMULSIFIED WATER**

SCANNING DIRECTION: **CIRCUMFERENTIAL, AXIAL AND RADIAL DIRECTIONS**

REFERENCE REFLECTOR: **CALIBRATION CYLINDER ACCORDING TO EN 1964-1**

EXAMINATION RESULTS:

ALL CYLINDERS HAVE BEEN CHECKED GIVING SATISFACTORY RESULTS.

For and on behalf of the manufacturer:

Faber
INDUSTRIE S.p.A.
Cividale del Friuli

For and on behalf of A.I.A.

<h1 style="margin: 0;">Faber</h1> <p style="margin: 0;">INDUSTRIE SPA</p>	RECORD OF HYDROSTATIC TESTS ON CYLINDERS	PAG. 4 OF 9
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LOT No. **08/1317** NUMBER OF CYLINDERS: **184** TEST DATE: **05/2008**

ACCORDING TO DWG.: **EN-203-318-890 REV.1**

WORKING PRESSURE AT 15° C: **200 bar**


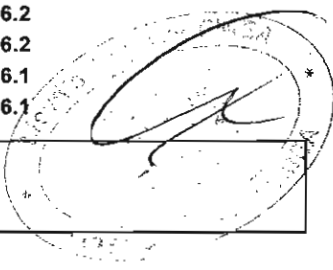
CYLINDER SIZE : OUTSIDE DIAMETER **203 mm** LENGTH **610 mm**

REMARKS: M = Mechanical Tests, B = Burst Tests, P = Prototype Tests, S = Cylinder Discarded, C = Cycling Test,

C+B = Cycling + Burst Test.

FITTINGS : "CO" = Collar

CYLINDER SERIAL No.	CUSTOMER NUMBER	HEAT CODE AND NUMBER	TEST PRESSURE (bar)	CYLINDER WATER CAPACITY (l)	FITTINGS	MASS (Kg)	TARE (Kg)	REMARKS
08/1317/001		BXB 558303	318	15.0		16.2		
08/1317/002		BXB 558303	318	15.0		16.1		
08/1317/003		BXB 558303	318	15.0		16.2		
08/1317/004		BXB 558303	318	15.0		16.1		
08/1317/005		BXB 558303	318	15.0		16.2		
08/1317/007		BXB 558303	318	15.0		16.2		
08/1317/008		BXB 558303	318	15.0		16.1		
08/1317/010		BXB 558303	318	15.0		16.2		
08/1317/012		BXB 558303	318	15.0		16.1		
08/1317/014		BXB 558303	318	15.0		16.1		
08/1317/016		BXB 558303	318	15.0		16.1		
08/1317/018		BXB 558303	318	15.0		16.1		
08/1317/019		BXB 558303	318	15.0		16.1		
08/1317/021		BXB 558303	318	15.0		16.1		
08/1317/023		BXB 558303	318	15.0		16.1		
08/1317/025		BXB 558303	318	15.0		16.2		
08/1317/026		BXB 558303	318	15.0		16.1		
08/1317/028		BXB 558303	318	15.0		16.2		
08/1317/030		BXB 558303	318	15.0		16.1		
08/1317/031		BXB 558303	318	15.0		16.1		
08/1317/032		BXB 558303	318	15.0		16.1		
08/1317/033		BXB 558303	318	15.0		16.1		
08/1317/034		BXB 558303	318	15.0		16.1		
08/1317/035		BXB 558303	318	15.0		16.1		
08/1317/036		BXB 558303	318	15.0		16.1		
08/1317/037		BXB 558303	318	15.0		16.1		
08/1317/038		BXB 558303	318	15.0		16.1		
08/1317/039		BXB 558303	318	15.0		16.1		
08/1317/040		BXB 558303	318	15.0		16.2		
08/1317/041		BXB 558303	318	15.0		16.1		
08/1317/042		BXB 558303	318	15.0		16.1		
08/1317/043		BXB 558303	318	15.0		16.2		
08/1317/044		BXB 558303	318	15.0		16.1		
08/1317/045		BXB 558303	318	15.0		16.2		
08/1317/046		BXB 558303	318	15.0		16.1		
08/1317/047		BXB 558303	318	15.0		16.1		
08/1317/048		BXB 558303	318	15.0		16.2		
08/1317/049		BXB 558303	318	15.0		16.2		
08/1317/050		BXB 558303	318	15.0		16.1		
08/1317/051		BXB 558303	318	15.0		16.1		

Manufacturer stamp and signature: <div style="text-align: center;">  Faber INDUSTRIE S.p.A. Cividale del Friuli </div>	A.I.A. stamp and signature: <div style="text-align: center;">  </div>
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LOT No. **08/1317** NUMBER OF CYLINDERS: **184** TEST DATE: **05/2008**

ACCORDING TO DWG.: **EN-203-318-890 REV.1**

WORKING PRESSURE AT 15° C: **200** bar

CYLINDER SIZE : OUTSIDE DIAMETER **203** mm LENGTH **610** mm

REMARKS: M = Mechanical Tests, B = Burst Tests, P = Prototype Tests, S = Cylinder Discarded, C = Cycling Test,

C+B = Cycling + Burst Test.

FITTINGS : "CO" = Collar

CYLINDER SERIAL No.	CUSTOMER NUMBER	HEAT CODE AND NUMBER	TEST PRESSURE (bar)	CYLINDER WATER CAPACITY (l)	FITTINGS	MASS (Kg)	TARE (Kg)	REMARKS
08/1317/052		BXB 558303	318	15.0		16.2		
08/1317/053		BXB 558303	318	15.0		16.1		
08/1317/054		BXB 558303	318	15.0		16.2		
08/1317/055		BXB 558303	318	15.0		16.2		
08/1317/056		BXB 558303	318	15.0		16.1		
08/1317/057		BXB 558303	318	15.0		16.1		
08/1317/058		BXB 558303	318	15.0		16.1		
08/1317/059		BXB 558303	318	15.0		16.1		
08/1317/060		BXB 558303	318	15.0		16.1		
08/1317/061		BXB 558303	318	15.0		16.1		
08/1317/062		BXB 558303	318	15.0		16.1		
08/1317/063		BXB 558303	318	15.0		16.2		
08/1317/064		BXB 558303	318	15.0		16.1		
08/1317/065		BXB 558303	318	15.0		16.1		
08/1317/066		BXB 558303	318	15.0		16.1		
08/1317/067		BXB 558303	318	15.0		16.1		
08/1317/068		BXB 558303	318	15.0		16.1		
08/1317/069		BXB 558303	318	15.0		16.1		
08/1317/070		BXB 558303	318	15.0		16.1		
08/1317/071		BXB 558303	318	15.0		16.2		
08/1317/072		BXB 558303	318	15.0		16.1		
08/1317/073		BXB 558303	318	15.0		16.1		
08/1317/074		BXB 558303	318	15.0		16.1		
08/1317/075		BXB 558303	318	15.0		16.1		
08/1317/076		BXB 558303	318	15.0		16.1		
08/1317/077		BXB 558303	318	15.0		16.1		
08/1317/078		BXB 558303	318	15.0		16.1		
08/1317/079		BXB 558303	318	15.0		16.1		
08/1317/080		BXB 558303	318	15.0		16.1		
08/1317/081		BXB 558303	318	15.0		16.1		
08/1317/082		BXB 558303	318	15.0		16.2		
08/1317/083		BXB 558303	318	15.0		16.1		
08/1317/084		BXB 558303	318	15.0		16.1		
08/1317/085		BXB 558303	318	15.0		16.2		
08/1317/086		BXB 558303	318	15.0		16.2		
08/1317/087		BXB 558303	318	15.0		16.1		
08/1317/088		BXB 558303	318	15.0		16.1		
08/1317/089		BXB 558303	318	15.0		16.1		
08/1317/090		BXB 558303	318	15.0		16.1		
08/1317/091		BXB 558303	318	15.0		16.1		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.
Cividale del Friuli

A.I.A. stamp and signature:



LOT No. 08/1317 NUMBER OF CYLINDERS: 184 TEST DATE: 05/2008

ACCORDING TO DWG.: EN-203-318-890 REV.1

WORKING PRESSURE AT 15° C: 200 bar

CYLINDER SIZE : OUTSIDE DIAMETER 203 mm LENGTH 610 mm

REMARKS: M = Mechanical Tests, B = Burst Tests, P = Prototype Tests, S = Cylinder Discarded, C = Cycling Test,
C+B = Cycling + Burst Test.

FITTINGS : "CO" = Collar

CYLINDER SERIAL No.	CUSTOMER NUMBER	HEAT CODE AND NUMBER	TEST PRESSURE (bar)	CYLINDER WATER CAPACITY (l)	FITTINGS	MASS (Kg)	TARE (Kg)	REMARKS
08/1317/092		BXB 558303	318	15.0		16.2		
08/1317/093		BXB 558303	318	15.0		16.2		
08/1317/094		BXB 558303	318	15.0		16.1		
08/1317/095		BXB 558303	318	15.0		16.1		
08/1317/096		BXB 558303	318	15.0		16.1		
08/1317/097		BXB 558303	318	15.0		16.2		
08/1317/098		BXB 558303	318	15.0		16.1		
08/1317/099		BXB 558303	318	15.0		16.1		
08/1317/100		BXB 558303	318	15.0		16.1		
08/1317/101		BXB 558303	318	15.0		16.1		
08/1317/102		BXB 558303	318	15.0		16.1		
08/1317/103		BXB 558303	318	15.0		16.2		
08/1317/104		BXB 558303	318	15.0		16.1		
08/1317/105		BXB 558303	318	15.0		16.1		
08/1317/106		BXB 558303	318	15.0		16.2		
08/1317/107		BXB 558303	318	15.0		16.1		
08/1317/108		BXB 558303	318	15.0		16.1		
08/1317/109		BXB 558303	318	15.0		16.1		
08/1317/110		BXB 558303	318	15.0		16.2		
08/1317/111		BXB 558303	318	15.0		16.1		
08/1317/112		BXB 558303	318	15.0		16.1		
08/1317/113		BXB 558303	318	15.0		16.1		
08/1317/114		BXB 558303	318	15.0		16.1		
08/1317/115		BXB 558303	318	15.0		16.2		
08/1317/116		BXB 558303	318	15.0		16.1		
08/1317/117		BXB 558303	318	15.0		16.2		
08/1317/118		BXB 558303	318	15.0		16.1		
08/1317/119		BXB 558303	318	15.0		16.1		
08/1317/120		BXB 558303	318	15.0		16.1		
08/1317/121		BXB 558303	318	15.0		16.1		
08/1317/122		BXB 558303	318	15.0		16.1		
08/1317/123		BXB 558303	318	15.0		16.1		
08/1317/124		BXB 558303	318	15.0		16.1		
08/1317/125		BXB 558303	318	15.0		16.1		
08/1317/126		BXB 558303	318	15.0		16.1		
08/1317/127		BXB 558303	318	15.0		16.1		
08/1317/129		BXB 558303	318	15.0		16.1		
08/1317/131		BXB 558303	318	15.0		16.2		
08/1317/133		BXB 558303	318	15.0		16.1		
08/1317/134		BXB 558303	318	15.0		16.1		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.
Cividale del Friuli

A.I.A. stamp and signature:

LOT No. **08/1317** NUMBER OF CYLINDERS: **184** TEST DATE: **05/2008**

ACCORDING TO DWG.: **EN-203-318-890 REV.1**

WORKING PRESSURE AT 15° C: **200** bar

CYLINDER SIZE : OUTSIDE DIAMETER **203** mm LENGTH **610** mm

REMARKS: M = Mechanical Tests, B = Burst Tests, P = Prototype Tests, S = Cylinder Discarded, C = Cycling Test,
C+B = Cycling + Burst Test.

FITTINGS : "CO" = Collar

CYLINDER SERIAL No.	CUSTOMER NUMBER	HEAT CODE AND NUMBER	TEST PRESSURE (bar)	CYLINDER WATER CAPACITY (l)	FITTINGS	MASS (Kg)	TARE (Kg)	REMARKS
08/1317/135		BXB 558303	318	15.0		16.1		
08/1317/136		BXB 558303	318	15.0		16.1		
08/1317/137		BXB 558303	318	15.0		16.1		
08/1317/138		BXB 558303	318	15.0		16.1		
08/1317/139		BXB 558303	318	15.0		16.1		
08/1317/140		BXB 558303	318	15.0		16.1		
08/1317/141		BXB 558303	318	15.0		16.2		
08/1317/142		BXB 558303	318	15.0		16.1		
08/1317/143		BXB 558303	318	15.0		16.1		
08/1317/144		BXB 558303	318	15.0		16.1		
08/1317/145		BXB 558303	318	15.0		16.1		
08/1317/146		BXB 558303	318	15.0		16.1		
08/1317/147		BXB 558303	318	15.0		16.1		
08/1317/148		BXB 558303	318	15.0		16.1		
08/1317/149		BXB 558303	318	15.0		16.2		
08/1317/150		BXB 558303	318	15.0		16.1		
08/1317/151		BXB 558303	318	15.0		16.1		
08/1317/152		BXB 558303	318	15.0		16.1		
08/1317/154		BXB 558303	318	15.0		16.1		
08/1317/155		BXB 558303	318	15.0		16.1		
08/1317/156		BXB 558303	318	15.0		16.1		
08/1317/157		BXB 558303	318	15.0		16.1		
08/1317/158		BXB 558303	318	15.0		16.1		
08/1317/159		BXB 558303	318	15.0		16.1		
08/1317/160		BXB 558303	318	15.0		16.1		
08/1317/161		BXB 558303	318	15.0		16.1		
08/1317/162		BXB 558303	318	15.0		16.1		
08/1317/163		BXB 558303	318	15.0		16.1		
08/1317/165		BXB 558303	318	15.0		16.1		
08/1317/166		BXB 558303	318	15.0		16.1		
08/1317/167		BXB 558303	318	15.0		16.1		
08/1317/168		BXB 558303	318	15.0		16.1		
08/1317/169		BXB 558303	318	15.0		16.1		
08/1317/170		BXB 558303	318	15.0		16.1		
08/1317/171		BXB 558303	318	15.0		16.1		
08/1317/172		BXB 558303	318	15.0		16.1		
08/1317/173		BXB 558303	318	15.0		16.1		
08/1317/174		BXB 558303	318	15.0		16.1		
08/1317/175		BXB 558303	318	15.0		16.1		
08/1317/176		BXB 558303	318	15.0		16.1		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.
Cividale del Friuli

A.I.A. stamp and signature:

LOT No. **08/1317** NUMBER OF CYLINDERS: **184** TEST DATE: **05/2008**

ACCORDING TO DWG.: **EN-203-318-890 REV.1**

WORKING PRESSURE AT 15° C: **200** bar

CYLINDER SIZE : OUTSIDE DIAMETER **203** mm LENGTH **610** mm

REMARKS: M = Mechanical Tests, B = Burst Tests, P = Prototype Tests, S = Cylinder Discarded, C = Cycling Test,
C+B = Cycling + Burst Test.

FITTINGS : "CO" = Collar

CYLINDER SERIAL No.	CUSTOMER NUMBER	HEAT CODE AND NUMBER	TEST PRESSURE (bar)	CYLINDER WATER CAPACITY (l)	FITTINGS	MASS (Kg)	TARE (Kg)	REMARKS
08/1317/177		BXB 558303	318	15.0		16.1		
08/1317/178		BXB 558303	318	15.0		16.1		
08/1317/179		BXB 558303	318	15.0		16.1		
08/1317/180		BXB 558303	318	15.0		16.1		
08/1317/181		BXB 558303	318	15.0		16.1		
08/1317/182		BXB 558303	318	15.0		16.1		
08/1317/183		BXB 558303	318	15.0		16.1		
08/1317/184		BXB 558303	318	15.0		16.1		
08/1317/185		BXB 558303	318	15.0		16.2		
08/1317/186		BXB 558303	318	15.0		16.1		
08/1317/187		BXB 558303	318	15.0		16.1		
08/1317/188		BXB 558303	318	15.0		16.1		
08/1317/189		BXB 558303	318	15.0		16.1		
08/1317/190		BXB 558303	318	15.0		16.1		
08/1317/191		BXB 558303	318	15.0		16.1		
08/1317/192		BXB 558303	318	15.0		16.1		
08/1317/193		BXB 558303	318	15.0		16.1		
08/1317/194		BXB 558303	318	15.0		16.1		
08/1317/195		BXB 558303	318	15.0		16.2		
08/1317/196		BXB 558303	318	15.0		16.1		
08/1317/197		BXB 558303	318	15.0		16.1		
08/1317/198		BXB 558303	318	15.0		16.1		
08/1317/199		BXB 558303	318	15.0		16.1		
08/1317/200		BXB 558303	318	15.0		16.1		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.
Cividele del Friuli

A.I.A. stamp and signature:

Operating instructions for the mounting, putting into service, use, maintenance and periodic inspection of Faber Steel Cylinders for Scuba Diving (PED 97/23/CE).

-The cylinder for breathing apparatus is subjected to the national regulations and standards for the use, maintenance and periodic inspection, in force in the country of use. The owner of pressure equipment is responsible that periodical inspections are carried out as required by the national regulation and standards. It is recommended that the cylinder will be inspected visually (internally and externally) by a competent person at least annually.

-The assembly (that means several pieces of pressure equipment assembled to constitute an integrated and functional whole "breathing apparatus") must satisfy the essential safety requirements set out in Annex I of the directive PED 97/23/CE.

-The assembly shall be subjected to a global conformity assessment procedure described in the directive PED 97/23/CE.

-Strict attention to care and maintenance of all types of breathing apparatus used underwater is of vital importance at all times.

It is essential that the complete equipment be thoroughly examined for damage or defect before and after every occasion on which it is used. All defects should be rectified before the equipment is used again. Careless manipulation with inappropriate tools may not only give rise to dangerous defects, but render further maintenance expensive or impossible.

-Cylinders should be handled with care and should not be dropped. When being transported they should be firmly secured so that they cannot move about.

-The condition of the inside of the cylinder can be maintained by keeping it dry at all times. The cylinder should be filled with dry air (Water content $<50 \text{ mg/m}^3$ for a charging pressure of 200 bar and water content $< 35 \text{ mg/m}^3$ for a charging pressure greater than 200 bar, as for EN12021), and never completely discharged as this can lead to water getting back into the cylinder and causing contamination. Cylinders should be stored, preferably in the vertical position, in a cool, dry place and away from excessive heat.

-After use, particularly in seawater, the outside surface of the cylinder should be removed from its harness and boot and then washed in clean, fresh water to remove all traces of salt water and dirt, especially from any crevices and then dried. Before storage, or when the cylinder has been completely discharged and seawater may have entered the cylinder, the cylinder valve should be removed and the cylinder washed internally and externally in clean fresh water and thoroughly dried. This operation should normally be undertaken by a competent person. Never unscrew or remove the valve when the cylinder is under pressure. The cylinder should not be stored with the valve downwards. The corrosion action of seawater and water-borne contaminants should never be underestimated, and if precautions are not taken to clean the apparatus properly after use, serious damage may be caused to all parts of the apparatus while it is stowed away. Even when diving in apparently fresh water, there may be corrosive substances in solution such as chemical and petroleum wastes which are not noticeable at the time, but which will start corrosive action if left in contact with the apparatus.

-The paintwork, metal spray undercoating and fittings should be kept in good condition. Scratching of cylinders should be avoided. Heat or chemical process may not be used to remove old paint. Corrosion on cylinders should also be removed in accordance with national standards in force in the country of use (Eg.: BS 5430). After the necessary preparation, cylinders should be re-painted. Cylinders should not be modified under any circumstance. This may result in serious weakening of cylinder and lead to accident. The threads in the cylinder neck should not be altered in any way. Bushes or adapters should not be used. If the cylinder is not required for a long period it is recommended that it be returned to a competent person for discharging, removal of the valve, extraction of any oil or water, drying out and refitting of the valve. The cylinder should then be recharged to a slight positive pressure. If the cylinder is not to be recharged immediately, it should be left with the valve closed. A cylinder that has failed on inspection should be left with a competent person who will then destroy it.

-Recharging should be undertaken only with proper equipment that ensures that the compressed air is free from moisture, oil and other impurities, and is fit for breathing purposes. Never put oxygen or any gas, other than air, in an air cylinder. Before recharging a cylinder, it is the responsibility of the gas compressing firm or person to ensure that the cylinder complies with statutory regulations. It is essential that cylinders be charged carefully and slowly to prevent overcharging and overheating, and that the charging pressure be such that, after cooling to ambient temperature, the maximum allowable pressure for the cylinder is not exceeded. The maximum allowable pressure at 15°C, in bar, is stamped on the cylinder. Overcharging of cylinders is highly dangerous. The identification code of the neck tread is stamped on the cylinder. Use of valves with different threads are forbidden because highly dangerous.