



**BUREAU
VERITAS**

**CERTIFICATO DI CONFORMITA'
CERTIFICATE OF CONFORMITY**

Secondo il Modulo F della direttiva attrezzature a pressione 97/23/CE
as per Module F of pressure equipment directive 97/23/EC

N° CE-1370-PED-F-FAB 008-07-ITA

Fabbricante (nome) / *Manufacturer (name):*

FABER INDUSTRIE S.p.A.

Indirizzo / *Address:*

Via dell'Industria, 23 - XI Zona Industriale
I-33043 Cividale del Friuli (UDINE) - ITALY

Mandatario(Nome) / *Authorized representative (Name):*

N.A.

Indirizzo / *Address :*

N.A.

APPARECCHIO / EQUIPMENT

Componente / *Item :*

Seamless Steel Cylinder LOT 06/3119

Descrizione / *Description :*

**200 off 15.0 liters Seamless Steel Cylinder
according to drawing No. EN-203-318-890 Rev.1
CE-PED-B-FAB001-02-ITA Rev.A**

Certificato di esame CE del tipo n°

EC type-examination certificate n°

Rilasciato da / *issued by:*

BUREAU VERITAS S.A.

Valido fino a / *Valid until:*

04/05/2012

Certificato di esame CE della progettazione n°

EC design-examination certificate n°

Rilasciato da / *issued by :*

N.A.

N.A.

PROVE EFFETTUATE DAL FABBRICANTE / TESTS CARRIED OUT BY MANUFACTURER

Elenco delle prove / *List of tests:*

**External/Internal visual examination ; hydraulic test ;
mechanical test (on cylinder No. 06/3119/201) ;
burst test (on cylinder No. 06/3119/202)**

Osservazioni / *Remarks :*

None

INFORMAZIONI / INFORMATION

Identificazione del fabbricante / *Identification of the manufacturer:*

FABER

Identificazione del mandatario / *Identification of the authorized representative:*

N.A.

Marchio / *Marking:*



1370 (Numero dell'organismo notificato di Bureau Veritas Italia /
Bureau Veritas Italy notified body number)

Mese e Anno di fabbricazione / *Month and Year of manufacture :*

01/2007

Numero di serie / *Serial number :*

from 06/3119/001 to 06/3119/202

Limiti essenziali minimi/massimi ammissibili / *Essential minimum/maximum allowable limits :*

Ps = 200 bar @ 15 °C Ts = min. -50 °C / max. +65 °C

N° CE-1370-PED-F-FAB 008-07-ITA

INFORMAZIONI SUPPLEMENTARI (dove applicabili) / FURTHER INFORMATION (where applicable)

- volume V degli apparecchi a pressione (l): **15.0**
volume V of the pressure equipment (l):
- dimensione nominale della tubazione DN: **N.A.**
nominal size for piping DN:
- pressione di prova PT applicata (bar) e data: **Hydraulic test at 318 bar on 04.01.2007**
test pressure PT applied (bar) and date:
- pressione di taratura del dispositivo di sicurezza (bar): **N.A.**
safety device set pressure (bar):
- potenza dell'attrezzatura a pressione (kW): **N.A.**
output of the pressure equipment (kW):
- tensione di alimentazione (volts): **N.A.**
supply voltage (volts):
- utilizzo previsto: **BREATHING APPARATUS CYLINDER**
intended use:
- rapporto di riempimento (kg/l): **N.A.**
filling ratio (kg/l):
- massa di riempimento massima (kg): **N.A.**
maximum filling mass (kg):
- tara (kg): **Tare for each cylinder is indicate on list included in Production testing certificate No. F.06/3119**
tare mass (kg):
- gruppo del fluido: **Group 2**
product group:
- altre informazioni: **None**
other information:
- natura ed ubicazione della marcatura dell'attrezzatura: **HARD STAMPING ON CYLINDER SHOULDER**
nature and location of the affixing of the marking of the equipment:

Fatto a / Made at	Il (MM/GG/AAAA)/ On (MM/DD/YYYY)	Firmato da / Signed by	
Padua - ITALY	01/31/2007	Luciano Rosina	
Codice di registrazione / Registration code: NE-PED0021-07			

Il presente attestato è sottomesso alle Condizioni Generali di Vendita di Bureau Veritas allegati alla domanda d'intervento firmata dal richiedente.
This certificate is subject to the terms of Bureau Veritas General Conditions of Service attached to the agreement signed by the applicant.
Il Presente documento non può essere riprodotto parzialmente se non con l'approvazione scritta di Bureau Veritas Italia S.p.A. e del Cliente.
The present document shall not be reproduced, except in full, without Bureau Veritas Italia S.p.A and Client's approval.

	CONFORMITY DECLARATION (according to European Directive 97/23/CE -Annex VII) DICHIARAZIONE DI CONFORMITA' (ai sensi della Direttiva Europea 97/23/CE -Allegato VII)	PAG. 1 OF 1
---	--	---

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
 from/ dal **06/3119/001** to/ al **06/3119/202**

except/ ad eccezione di
06/3119/201-202

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° **1370 BUREAU VERITAS ITALIA**
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": **CE-1370-PED-F-FAB008-07-ITA**
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 **1370** 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 **1370** 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.

Manufacturer: **FABER INDUSTRIE SPA - CIVIDALE DEL FRIULI - UDINE- ITALY**Certificate No. F. **06/3119**Date: **04/01/2007**Inspection: **BUREAU VERITAS**Specification: **EN 1964-1:1999 (PED)**Customer: **Aerotecnica Coltri S.r.l.**Owner stamping: **COLTRI SUB**

Manufacturer serial No. :

From **06/3119/001** to **06/3119/202**Customer's order No. : **38120061006**Gas: **1002 AIR**Total cylinders: **200**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

Neck thread : **M25X2 EN 144-1 2000**Identification marks stamped on cylinders shoulder according to drawing: **PPED004 2**We hereby certify that the cylinders of the batch no. **06/3119** comply with the following requirements**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. **06/3119** have been manufactured from the following cast(s) of steel:

Steelmaker:	Cast Numb.	Code (*)	C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Mo (%)	S+P (%)
INDUSTEEL	06623	BPM	0.36	0.23	0.76	0.009	0.004	1.05	0.23	0.013

(*)marked on outer bottom surface

MEASUREMENTS OF SAMPLE CYLINDERS:

Cylinder Serial no.	Water Capacity (L)	Empty Weight (Kg)	Minimum measured thickness	
			of the wall (mm)	of the base (mm)
06/3119/201	15	16.40	5.1	5.9
06/3119/202	15	16.40	5.1	6.0

MECHANICAL TESTS CARRIED OUT ON SAMPLE CYLINDERS:

Cylinder Serial no.	Code (*)	Test piece 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)	
06/3119/201	BPM	10.1 x 5.4	972	1063	15.0	TRASV	76 69 79	75	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
06/3119/202	BPM	575	LONGITUDINAL
Minimum values specified		509	

For and on behalf of the manufacturer
Faber
INDUSTRIE S.p.A.

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.: 06/3119/001 to 06/3119/202

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

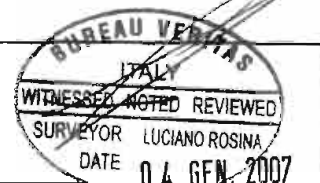
EXAMINATION RESULTS:

ALL CYLINDERS HAVE BEEN CHECKED GIVING SATISFACTORY RESULTS.

For and on behalf of the manufacturer:

Faber
INDUSTRIE S.p.A.

For and on behalf of A.I.A.



LOT No. **06/3119** NUMBER OF CYLINDERS: **200** TEST DATE: **01/2007**

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
06/3119/001		BPM 06623	318	15.0		16.4		
06/3119/002		BPM 06623	318	15.0		16.4		
06/3119/003		BPM 06623	318	15.0		16.4		
06/3119/004		BPM 06623	318	15.0		16.4		
06/3119/005		BPM 06623	318	15.0		16.4		
06/3119/006		BPM 06623	318	15.0		16.4		
06/3119/007		BPM 06623	318	15.0		16.4		
06/3119/008		BPM 06623	318	15.0		16.4		
06/3119/009		BPM 06623	318	15.0		16.4		
06/3119/010		BPM 06623	318	15.0		16.4		
06/3119/011		BPM 06623	318	15.0		16.4		
06/3119/012		BPM 06623	318	15.0		16.4		
06/3119/013		BPM 06623	318	15.0		16.4		
06/3119/014		BPM 06623	318	15.0		16.4		
06/3119/015		BPM 06623	318	15.0		16.4		
06/3119/016		BPM 06623	318	15.0		16.4		
06/3119/017		BPM 06623	318	15.0		16.4		
06/3119/018		BPM 06623	318	15.0		16.4		
06/3119/019		BPM 06623	318	15.0		16.4		
06/3119/020		BPM 06623	318	15.0		16.4		
06/3119/021		BPM 06623	318	15.0		16.4		
06/3119/022		BPM 06623	318	15.0		16.4		
06/3119/023		BPM 06623	318	15.0		16.4		
06/3119/024		BPM 06623	318	15.0		16.4		
06/3119/025		BPM 06623	318	15.0		16.4		
06/3119/026		BPM 06623	318	15.0		16.4		
06/3119/027		BPM 06623	318	15.0		16.4		
06/3119/028		BPM 06623	318	15.0		16.4		
06/3119/029		BPM 06623	318	15.0		16.4		
06/3119/030		BPM 06623	318	15.0		16.4		
06/3119/031		BPM 06623	318	15.0		16.4		
06/3119/032		BPM 06623	318	15.0		16.4		
06/3119/033		BPM 06623	318	15.0		16.4		
06/3119/034		BPM 06623	318	15.0		16.4		
06/3119/035		BPM 06623	318	15.0		16.4		
06/3119/036		BPM 06623	318	15.0		16.4		
06/3119/037		BPM 06623	318	15.0		16.4		
06/3119/038		BPM 06623	318	15.0		16.4		
06/3119/039		BPM 06623	318	15.0		16.4		
06/3119/040		BPM 06623	318	15.0		16.4		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.

A.I.A. stamp and signature:



LOT No. 06/3119 NUMBER OF CYLINDERS: 200 TEST DATE: 01/2007

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
06/3119/041		BPM 06623	318	15.0		16.4		
06/3119/042		BPM 06623	318	15.0		16.4		
06/3119/043		BPM 06623	318	15.0		16.4		
06/3119/044		BPM 06623	318	15.0		16.4		
06/3119/045		BPM 06623	318	15.0		16.4		
06/3119/046		BPM 06623	318	15.0		16.4		
06/3119/047		BPM 06623	318	15.0		16.4		
06/3119/048		BPM 06623	318	15.0		16.4		
06/3119/049		BPM 06623	318	15.0		16.4		
06/3119/050		BPM 06623	318	15.0		16.4		
06/3119/051		BPM 06623	318	15.0		16.4		
06/3119/052		BPM 06623	318	15.0		16.4		
06/3119/053		BPM 06623	318	15.0		16.4		
06/3119/054		BPM 06623	318	15.0		16.4		
06/3119/055		BPM 06623	318	15.0		16.4		
06/3119/056		BPM 06623	318	15.0		16.4		
06/3119/057		BPM 06623	318	15.0		16.4		
06/3119/058		BPM 06623	318	15.0		16.4		
06/3119/059		BPM 06623	318	15.0		16.4		
06/3119/060		BPM 06623	318	15.0		16.4		
06/3119/061		BPM 06623	318	15.0		16.4		
06/3119/062		BPM 06623	318	15.0		16.4		
06/3119/063		BPM 06623	318	15.0		16.4		
06/3119/064		BPM 06623	318	15.0		16.4		
06/3119/065		BPM 06623	318	15.0		16.4		
06/3119/066		BPM 06623	318	15.0		16.4		
06/3119/067		BPM 06623	318	15.0		16.4		
06/3119/068		BPM 06623	318	15.0		16.4		
06/3119/069		BPM 06623	318	15.0		16.4		
06/3119/070		BPM 06623	318	15.0		16.4		
06/3119/071		BPM 06623	318	15.0		16.4		
06/3119/072		BPM 06623	318	15.0		16.4		
06/3119/073		BPM 06623	318	15.0		16.4		
06/3119/074		BPM 06623	318	15.0		16.4		
06/3119/075		BPM 06623	318	15.0		16.4		
06/3119/076		BPM 06623	318	15.0		16.4		
06/3119/077		BPM 06623	318	15.0		16.4		
06/3119/078		BPM 06623	318	15.0		16.4		
06/3119/079		BPM 06623	318	15.0		16.4		
06/3119/080		BPM 06623	318	15.0		16.4		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.

A.I.A. stamp and signature:



LOT No. **06/3119** NUMBER OF CYLINDERS: **200** TEST DATE: **01/2007**

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.

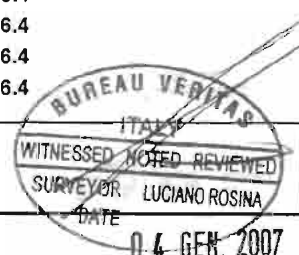
FITTINGS : "CO" = Collar.

CYLINDER SERIAL No.	CUSTOMER NUMBER	HEAT CODE AND NUMBER	TEST PRESSURE (bar)	CYLINDER WATER CAPACITY (l)	FITTINGS	MASS (Kg)	TARE (Kg)	REMARKS
06/3119/081		BPM 06623	318	15.0		16.4		
06/3119/082		BPM 06623	318	15.0		16.4		
06/3119/083		BPM 06623	318	15.0		16.4		
06/3119/084		BPM 06623	318	15.0		16.4		
06/3119/085		BPM 06623	318	15.0		16.4		
06/3119/086		BPM 06623	318	15.0		16.4		
06/3119/087		BPM 06623	318	15.0		16.4		
06/3119/088		BPM 06623	318	15.0		16.4		
06/3119/089		BPM 06623	318	15.0		16.4		
06/3119/090		BPM 06623	318	15.0		16.4		
06/3119/091		BPM 06623	318	15.0		16.4		
06/3119/092		BPM 06623	318	15.0		16.4		
06/3119/093		BPM 06623	318	15.0		16.4		
06/3119/094		BPM 06623	318	15.0		16.4		
06/3119/095		BPM 06623	318	15.0		16.4		
06/3119/096		BPM 06623	318	15.0		16.4		
06/3119/097		BPM 06623	318	15.0		16.4		
06/3119/098		BPM 06623	318	15.0		16.4		
06/3119/099		BPM 06623	318	15.0		16.4		
06/3119/100		BPM 06623	318	15.0		16.4		
06/3119/101		BPM 06623	318	15.0		16.4		
06/3119/102		BPM 06623	318	15.0		16.4		
06/3119/103		BPM 06623	318	15.0		16.4		
06/3119/104		BPM 06623	318	15.0		16.4		
06/3119/105		BPM 06623	318	15.0		16.4		
06/3119/106		BPM 06623	318	15.0		16.4		
06/3119/107		BPM 06623	318	15.0		16.4		
06/3119/108		BPM 06623	318	15.0		16.4		
06/3119/109		BPM 06623	318	15.0		16.4		
06/3119/110		BPM 06623	318	15.0		16.4		
06/3119/111		BPM 06623	318	15.0		16.4		
06/3119/112		BPM 06623	318	15.0		16.4		
06/3119/113		BPM 06623	318	15.0		16.4		
06/3119/114		BPM 06623	318	15.0		16.4		
06/3119/115		BPM 06623	318	15.0		16.4		
06/3119/116		BPM 06623	318	15.0		16.4		
06/3119/117		BPM 06623	318	15.0		16.4		
06/3119/118		BPM 06623	318	15.0		16.4		
06/3119/119		BPM 06623	318	15.0		16.4		
06/3119/120		BPM 06623	318	15.0		16.4		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.

A.I.A. stamp and signature:



LOT No. **06/3119** NUMBER OF CYLINDERS: **200** TEST DATE: **01/2007**

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
06/3119/121		BPM 06623	318	15.0		16.4		
06/3119/122		BPM 06623	318	15.0		16.4		
06/3119/123		BPM 06623	318	15.0		16.4		
06/3119/124		BPM 06623	318	15.0		16.4		
06/3119/125		BPM 06623	318	15.0		16.4		
06/3119/126		BPM 06623	318	15.0		16.4		
06/3119/127		BPM 06623	318	15.0		16.4		
06/3119/128		BPM 06623	318	15.0		16.4		
06/3119/129		BPM 06623	318	15.0		16.4		
06/3119/130		BPM 06623	318	15.0		16.4		
06/3119/131		BPM 06623	318	15.0		16.4		
06/3119/132		BPM 06623	318	15.0		16.4		
06/3119/133		BPM 06623	318	15.0		16.4		
06/3119/134		BPM 06623	318	15.0		16.4		
06/3119/135		BPM 06623	318	15.0		16.4		
06/3119/136		BPM 06623	318	15.0		16.4		
06/3119/137		BPM 06623	318	15.0		16.4		
06/3119/138		BPM 06623	318	15.0		16.4		
06/3119/139		BPM 06623	318	15.0		16.4		
06/3119/140		BPM 06623	318	15.0		16.4		
06/3119/141		BPM 06623	318	15.0		16.4		
06/3119/142		BPM 06623	318	15.0		16.4		
06/3119/143		BPM 06623	318	15.0		16.4		
06/3119/144		BPM 06623	318	15.0		16.4		
06/3119/145		BPM 06623	318	15.0		16.4		
06/3119/146		BPM 06623	318	15.0		16.4		
06/3119/147		BPM 06623	318	15.0		16.4		
06/3119/148		BPM 06623	318	15.0		16.4		
06/3119/149		BPM 06623	318	15.0		16.4		
06/3119/150		BPM 06623	318	15.0		16.4		
06/3119/151		BPM 06623	318	15.0		16.4		
06/3119/152		BPM 06623	318	15.0		16.4		
06/3119/153		BPM 06623	318	15.0		16.4		
06/3119/154		BPM 06623	318	15.0		16.4		
06/3119/155		BPM 06623	318	15.0		16.4		
06/3119/156		BPM 06623	318	15.0		16.4		
06/3119/157		BPM 06623	318	15.0		16.4		
06/3119/158		BPM 06623	318	15.0		16.4		
06/3119/159		BPM 06623	318	15.0		16.4		
06/3119/160		BPM 06623	318	15.0		16.4		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.

A.I.A. stamp and signature:



LOT No. 06/3119 NUMBER OF CYLINDERS: 200 TEST DATE: 01/2007

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.

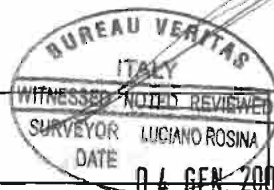
FITTINGS: "CO" = Collar

CYLINDER SERIAL No.	CUSTOMER NUMBER	HEAT CODE AND NUMBER	TEST PRESSURE (bar)	CYLINDER WATER CAPACITY (l)	FITTINGS	MASS (Kg)	TARE (Kg)	REMARKS
06/3119/161		BPM 06623	318	15.0		16.4		
06/3119/162		BPM 06623	318	15.0		16.4		
06/3119/163		BPM 06623	318	15.0		16.4		
06/3119/164		BPM 06623	318	15.0		16.4		
06/3119/165		BPM 06623	318	15.0		16.4		
06/3119/166		BPM 06623	318	15.0		16.4		
06/3119/167		BPM 06623	318	15.0		16.4		
06/3119/168		BPM 06623	318	15.0		16.4		
06/3119/169		BPM 06623	318	15.0		16.4		
06/3119/170		BPM 06623	318	15.0		16.4		
06/3119/171		BPM 06623	318	15.0		16.4		
06/3119/172		BPM 06623	318	15.0		16.4		
06/3119/173		BPM 06623	318	15.0		16.4		
06/3119/174		BPM 06623	318	15.0		16.4		
06/3119/175		BPM 06623	318	15.0		16.4		
06/3119/176		BPM 06623	318	15.0		16.4		
06/3119/177		BPM 06623	318	15.0		16.4		
06/3119/178		BPM 06623	318	15.0		16.4		
06/3119/179		BPM 06623	318	15.0		16.4		
06/3119/180		BPM 06623	318	15.0		16.4		
06/3119/181		BPM 06623	318	15.0		16.4		
06/3119/182		BPM 06623	318	15.0		16.4		
06/3119/183		BPM 06623	318	15.0		16.4		
06/3119/184		BPM 06623	318	15.0		16.4		
06/3119/185		BPM 06623	318	15.0		16.4		
06/3119/186		BPM 06623	318	15.0		16.4		
06/3119/187		BPM 06623	318	15.0		16.4		
06/3119/188		BPM 06623	318	15.0		16.4		
06/3119/189		BPM 06623	318	15.0		16.4		
06/3119/190		BPM 06623	318	15.0		16.4		
06/3119/191		BPM 06623	318	15.0		16.4		
06/3119/192		BPM 06623	318	15.0		16.4		
06/3119/193		BPM 06623	318	15.0		16.4		
06/3119/194		BPM 06623	318	15.0		16.4		
06/3119/195		BPM 06623	318	15.0		16.4		
06/3119/196		BPM 06623	318	15.0		16.4		
06/3119/197		BPM 06623	318	15.0		16.4		
06/3119/198		BPM 06623	318	15.0		16.4		
06/3119/199		BPM 06623	318	15.0		16.4		
06/3119/200		BPM 06623	318	15.0		16.4		

Manufacturer stamp and signature:

Faber
INDUSTRIE S.p.A.

A.I.A. stamp and signature:



	RECORD OF HYDROSTATIC TESTS ON CYLINDERS	PAG. 9 OF 12
---	---	-----------------------------------

LOT No. **06/3119** NUMBER OF CYLINDERS: **200** TEST DATE: **01/2007**

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
06/3119/201		BPM 06623	318	15.0		16.4		M
06/3119/202		BPM 06623	318	15.0		16.4		B

Manufacturer stamp and signature:  Faber INDUSTRIE S.p.A.	A.I.A. stamp and signature:  BUREAU VERITAS ITALY WITNESSED AND REVIEWED SURVEYOR: HAICANG ROSINA DATE: 04 GEN. 2007
---	---

23880



Istruzioni operative per il montaggio, la messa in servizio, l'impiego, la manutenzione e le visite periodiche delle bombole in acciaio per auto-respiratori subacquei (PED 97/23/CE).

-La bombola per l'apparecchio respiratore è soggetta ai regolamenti e alle norme per l'uso, manutenzione e le ispezione periodiche, vigenti nel paese in cui viene utilizzata. E' responsabilità del proprietario della bombola eseguire le visite periodiche siano entro i termini prefissati. Si raccomanda di sottoporre la bombola ad un controllo visivo interno ed esterno da personale competente almeno una volta l'anno.

-L'insieme (costituito da varie attrezzature a pressione montate per costruire un tutto integro e funzionale "apparecchio respiratore") deve soddisfare i requisiti essenziali di sicurezza di cui all'allegato I della direttiva 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.

-E' di importanza vitale avere sempre estrema attenzione alla cura e alla manutenzione della bombola per respiratori subacquei. E' essenziale che il respiratore subacqueo sia accuratamente esaminato per verificare l'eventuale presenza di danneggiamenti o difetti dopo ogni utilizzo. Tutti i difetti devono essere eliminati prima che il respiratore subacqueo venga di nuovo utilizzato. La mancanza di cura durante la manipolazione, con attrezzatura impropria, può non solo innescare difetti pericolosi, ma rendere le successive manutenzioni costose o addirittura impossibili.

- Le bombole devono essere manipolate con cura non devono essere fatte cadere. Quando trasportate devono essere bloccate in maniera sicura in modo tale che non si muovano durante il trasporto.

-Le condizioni della superficie interna delle bombole possono essere mantenute integre solo se la superficie interna rimane sempre asciutta. La bombola deve essere caricata con aria secca (contenuto d'acqua < 50 mg/m³ per una pressione di carica di 200 bar e contenuto d'acqua < 35mg/m³ per una pressione di carica maggiore di 200 bar, secondo EN12021) e non deve mai essere completamente scaricata in quanto dell'acqua potrebbe essere risucchiata all'interno della bombola contaminandola.

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 mg/m³ for a charging pressure of 200 bar and water content < 35mg/m³ 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.

Le bombole devono essere immagazzinate, preferibilmente in posizione verticale, in un posto fresco, secco e lontane da fonti di calore.

-Dopo l'uso, soprattutto in acqua di mare, dalla bombola devono essere tolti le cinghie e il fondello e accuratamente lavata con acqua dolce al fine di rimuovere le tracce di acqua salata e lo sporco, specialmente dalle cavità e poi asciugata. Prima dell'immagazzinamento, o quando la bombola è stata completamente scaricata e l'acqua di mare può essere entrata nella bombola, la valvola deve essere rimossa dalla bombola e la bombola deve essere lavata internamente ed esternamente con acqua dolce e accuratamente asciugata. Questa operazione deve essere normalmente fatta da personale competente. Mai svitare o rimuovere la valvola con la bombola in pressione. La bombola non deve essere immagazzinata con la valvola rivolta all'ingiù. L'azione corrosiva dell'acqua di mare non deve essere mai sottovalutata, se non vengono prese opportune precauzioni per la pulizia delle bombole dopo l'utilizzo, seri danni potranno essere arrecati alla bombola durante il periodo in cui rimarrà inutilizzata. Anche se si fanno immersioni in acqua dolce, ci possono essere delle sostanze corrosive in soluzione quali rifiuti chimici e oleosi che non sono visibili al momento, ma che possono innescare una azione corrosiva se lasciate a contatto con la bombola.

- La verniciatura, la metallizzazione e i componenti devono essere mantenuti in buone condizioni. Abrasioni e graffi delle bombole devono essere evitate. Per la rimozione della vernice non devono essere utilizzati metodi chimici o a caldo. Zone di corrosione della bombola possono essere eliminate solo secondo le normative nazionali applicabili (Es.: BS 5430). Dopo la necessaria preparazione, la bombola può essere riverniciata. La bombola non deve essere modificata in nessuna circostanza. Questo può comportare seri indebolimenti della bombola e portare ad incidenti. La filettatura della bombola non deve essere alterata in alcun modo. Boccole o adattatori non devono essere utilizzati. Se la bombola non viene utilizzata per un lungo periodo di tempo si raccomanda che debba essere vista da personale competente per essere scaricata e successivamente ricaricata con una leggera pressione positiva. Se la bombola non viene ricaricata subito, deve essere lasciata con la valvola chiusa. Una bombola che è risultata scarta all'ispezione deve essere resa inutilizzabile da personale competente.

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.

- La ricarica deve essere fatta solo con idonei impianti che assicurino che l'aria compressa sia esente da umidità, olio e altre impurità, e che è adeguata all'utilizzo per respiratori subacquei. Mai caricare ossigeno o altri gas diversi dall'aria nelle bombole per aria.

Prima della carica della bombola, è responsabilità della ditta o persona che esegue la carica verificare che la bombola sia conforme ai regolamenti nazionali in vigore.

E' essenziale che le bombole siano caricate con attenzione e lentamente al fine di prevenire sovraccariche e surriscaldamenti, e che la pressione di carica sia tale che, dopo raffreddamento a temperatura ambiente, la pressione di carica della bombola non sia superata. La pressione di esercizio massima ammissibile a 15°C ed espressa in bar è punzonata sulla bombola. Sovraccaricare le bombole è altamente pericoloso. L'identificazione della sigla della filettatura della bombola è punzonata sulla bombola. Utilizzare valvole con filettatura diversa è vietato perché altamente pericoloso.

- 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.