



**LasPaCII-Bottle Sampler 250
Manual
Language: English**

Local solutions for
individual customers
worldwide

STAUFF

Covers Model Numbers

Bottle Sampler

SAFETY WARNING

Hydraulic systems contain dangerous fluids at high pressures and temperatures. Installation, servicing and adjustment is only to be performed by qualified personnel.

Do not tamper with this device.

Contents

1	Precautions	5
	• <i>Internal Cleaning</i>	
2	Scope of Supply	6
3	Introduction	7
4	Procedure	8
	• <i>De-aeration</i> • <i>Operating with Particle Analyser</i> • <i>Pump Operation</i>	
5	Sample Bottle Cleaning Procedure	12
6	Information	13
	• <i>Warranty</i> • <i>Spare Product / Part Numbers</i> • <i>Flushing Fluids</i>	
7	Fault Finding	14

1 Precautions

1.1 Internal Cleaning

DO NOT clean the Bottle Sampler with Acetone or similar solvents that are not compatible with the seals. The recommended cleaning fluid for internal flushing is listed on the website: www.stauff.com

2 Scope of Supply

Each standard Bottle Sampler supplied consists of the following:-

- 1 x 250ml Bottle Sampler, base unit and removable top chamber
- 1 x Bottle Sampler User guide
- 1 x 0.6m Minimesh hose
- 5 x 200ml bottles
- 1 x Bottle stand
- 1 x 12V DC power supply (Mascot 9887), with rated output of 12V DC, 3.33amp maximum current. DC connector is centre pin positive. ***Important: do not use the particle analyser power supply with the 250ml bottle sampling unit, as it has an inadequate power rating***

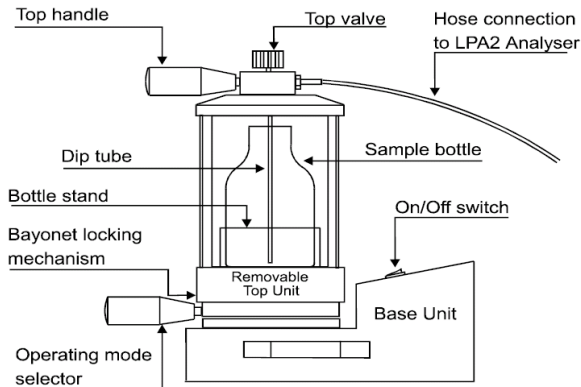


Figure 2.1

3 Introduction

The Bottle Sampler is an aid to accurate contamination monitoring suitable for laboratory applications utilising mineral oil as the operating fluid. Please contact your local sales office for alternative fluid options.

The Bottle Sampling Unit has the optional facility to de-aerate the fluid sample, prior to testing with the analyser, by applying a vacuum to the chamber holding the sample bottle.

The two main components are locked together with a bayonet style mechanism.

The Sample bottle is placed on the bottle stand which is located in the base unit.

The Bottle Sampler is designed to accept 200ml and 250ml bottles.

4 Procedure

Refer to key drawing on page 6.

1. Draw off a sample of oil (150 ml. minimum) from the system into the bottle provided. If this is impractical then use the hand pump, clean bottle and hose provided to draw off a sample of fluid.

Note: Please ensure that the pump and hose are cleaned with an appropriate filtered solvent (i.e. petroleum ether) prior to the sample being taken.

Sample bottles and associated products are to be cleaned in accordance with the instructions on page 12.

Important! Do NOT use acetone

2. Insert waste fluid hose into the waste bottle provided.
3. Connect waste fluid hose to analyser (waste connector).
4. Connect the 12V DC supply to bottle sampler, using power adaptor supplied.

4.1 De-aeration

For full compliance please refer to standard BS11500:2008

5. Agitate sample for minimum 60 seconds.

6. Place the sample bottle into the bottle sampler.
7. Fit removable top unit and lock in place.
8. Screw top valve clockwise until slight resistance is felt, to close valve.
9. Turn the operating mode selector to the position nearest the yellow disc marked V.
10. Switch ON the bottle sampling unit and leave running for several minutes, until all air bubbles have been removed from the fluid sample. *Note: It may be necessary to vent the chamber on occasion, to stop spill over due to foaming.*

4.2 Operating with Particle Analyser

11. Switch OFF the bottle sampler and turn the operating mode selector to the position nearest the red disc marked P.
Note: the top valve must not be opened BEFORE the operating mode selector has been changed to the position P. To do so, could allow fluid to reverse flow back into the sample bottle and contaminate the sample.
12. Connect minimesse hose (0.6m) to bottle sampling connection.
13. Connect minimesse hose to particle analyser.
14. Screw the top valve on the bottle sampler anticlockwise to open the valve.
15. Switch ON the particle analyser.

16. Select Triple or Bottle Sampling option.
17. Enter test details, for more information refer to the particle analyser user guide.
18. Switch ON the bottle sampler.
19. Wait for approximately 1 minute to allow the pump to reach maximum pressure (2 bar)
20. Flush the analyser for a minimum of 30 seconds.
21. Start the test.

The Bottle Sampling Test is a three test analysis, as described in the analyser user guide.

22. Upon test completion, after the emptying cycle is completed, switch OFF the bottle sampler.
23. Turn the operating mode selector slowly to the position nearest the yellow disc marked V. This quietly vents the pressurised chamber to atmosphere.
24. Remove the top unit and remove the sample bottle.

Note: do not allow oil to drip from the dip tube onto the pressure/vacuum port. The pressure/vacuum port is the small vertical tube that can be seen in the base unit after the top unit has been removed.

25. Switch OFF the particle analyser.

4.3 Pump Operation

The diaphragm pump inside the bottle sampling unit is not designed to start against pressure. Therefore, only switch on the bottle sampling unit when the pressurised chamber is at or below atmospheric pressure, i.e. in accordance with the instruction in this user guide. If the bottle sampling unit is inadvertently switched on when the pressurised chamber is under pressure, it might switch on as normal, or the bottle sampling unit LED might flash intermittently, depending in operating conditions at the time.

5 Sample Bottle Cleaning Procedure

For optimum results the bottle sampling procedure should only be taken when the procedure for qualifying and controlling methods for sampling containers and products conform to ISO 3372.

However, the following routine may be utilised, if the above routine cannot be completed:

- Half fill the sampling bottle with the fluid to be analysed.
- Re-cap the bottle and shake vigorously for 30 seconds.
- Dispose of the fluid (in accordance with current COSHH legislation).
- Repeat the above procedure another two times.

When bottle is filled, fourth time, this is the sample that will be analysed.

6 Information

6.1 Warranty

The Bottle Sampler is guaranteed for 12 months upon receipt of the unit, subject to it being used for the purpose intended and operated in accordance with this User Guide.

6.2 Spare Product / Part Numbers

www.stauff.com

6.3 Flushing Fluids

DO NOT USE ACETONE

For information about the items on this page please see the website:

www.stauff.com

7 Fault Finding

FAULT

Unexpected results obtained from sample

Bottle sampler not reaching required pressure.

CHECK

Check that the minimesse hose has been fully connected at both the bottle sampler and the LasPaCIIends.

Confirm that there is a free flow of fluid to the LasPaCII, by operating the flush valve and observing fluid passing to waste.

Re-grease o-ring in the base of bottle sampler.

Produced by Stauff

Revision 3

As a policy of continual improvement, Stauff reserve the right to alter specifications without prior notice.

Except as permitted by such licence, no part of this publication may be reproduced, stored in retrieval system or transmitted, in any form or any means, electronic, mechanical, recording, or otherwise, without prior written permission of Stauff.

AUSTRALIA

STAUFF Corporation Pty. Ltd.
P.O. Box 227
Wollongong, NSW, 2526
24-26 Doyle Avenue
Unanderra, Wollongong,
NSW, 2526
Tel: +61 2 4271 18 77
Fax: +61 2 4271 84 32
Email: sales@stauff.com.au

BRAZIL

STAUFF Brasil Ltda.
Avenida Gupê 10767
Galpão 2 - Bloco A
Barueri - São Paulo
CEP 06422-120
Tel: +55 11 47 72 72 00
Fax: +55 11 47 72 72 00
Email: stauff@stauffbrasil.com

CANADA

STAUFF Canada Ltd.
866 Milner Avenue
Scarborough
Ontario M1B 5N7
Tel: +1 416 282 46 08
Fax: +1 416 282 30 39
Email: sales@stauffcanada.com

CHINA

STAUFF International Trading
(Shanghai) Co., Ltd.
No. 41 - 42, Lane 369,
Chuang Ye Road
Jushuo Industrial Zone,
Kang Qiao
201319 Shanghai
Tel: +86 21 68 18 70 00
Fax: +86 21 68 18 71 36
Email: info@stauff.com.cn

FRANCE

230, Avenue du Grain d'Or
Z.I. Vineuil - Blois Sud
41354 Vineuil - cedex
Tel: +33 2 54 50 55 50
Fax: +33 2 54 42 29 19
Email: direction@stauffsa.com

GERMANY

Walter Stauffenberg GmbH &
Co. KG
P.O. Box 1745
5877 Werdohl
Im Ehrenfeld 4
58791 Werdohl
Tel: +49 2392 916-0
Fax: +49 2392 2505
Email: sales@stauff.com

INDIA

STAUFF India Pvt. Ltd.
Gat. No. 2340
Pune Nagar Road, Wagholi
Pune, 412207
Tel: +91 20 6620 2473
Fax: +91 20 2705 1567
Email: sales@stauffindia.com

ITALY

STAUFF Italia s.r.l.
Viale Nuova Valassina 78
Angolo Via Baragiola sn
20033 Desio (MI)
Tel: + 39 0362 63 80 70
Fax: +39 0362 63 80 69
Email: sales@stauff.it

IRELAND

STAUFF Ireland Ltd.
Unit B3
Weatherwell Business Park
Clondalkin
Dublin 22
Tel: +353 1457 4936
Fax: +353 1467 0687
Email: sales@stauff.ie

KOREA

STAUFF Korea Ltd
1500-12, Dadae-Dong
Saha-Ku
Pusan, 604-826
Tel: +82 51 266 6666
Fax: +82 51 266 8866
Email: info@stauff.co.kr

NEW ZEALAND

STAUFF Corporation
P.O. Box 58517
Greenmount, Auckland
Unit D, 103 Harris Road
East Tamaki, Auckland
Tel: +64 9 271 48 12
Fax: +64 9 271 48 32
Email: info@stauff.co.nz

POLAND

STAUFF Polska Sp. z o.o.
Miszewko 43 A
80-297 Banino
Tel: +48 58 660 11 60
Fax: +48 58 629 79 52
Email: sales@stauff.pl

RUSSIAN FEDERATION

STAUFF LLC
Office 205, Building 7
Scharikopodschipnikovskaya 11
Moscow, 115088
Tel: +7 495 987 36 29
Tel: +7 495 223 89 61
Fax: +7 495 679 90 48
Email: sales@stauff.ru

UNITED KINGDOM

STAUFF UK
500, Carlisle Street East
Off Downgate Drive
Sheffield, S4 8BS
Tel: + 44 114 251 85 18
Fax: + 44 114 251 85 19
Email: sales@stauff.co.uk

UNITED STATES

STAUFF Corporation
7 Wm. Demarest Place
Waldwick, 07463-1542
New Jersey
Tel: +1 201 444 78 00
Fax: +1 201 444 78 52
Email sales@stauffusa.com

Globally available through wholly
owned branches and distribu-
tors in all industrial countries.