

CBS - Carsten Daus GmbH

CAGE CODE: DL161

LIQUID SOAP DISPENSER

PART NUMBER

**A600 SERIES
A605 SERIES**

**COMPONENT MAINTENANCE MANUAL
WITH
ILLUSTRATED PARTS LIST**

Doc. No.:
Initial Issue:
Sep 01/2005

25-40-02

Sep 01/2005

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INTRODUCTION

1. GENERAL

This Component Maintenance Manual (CMM) contains maintenance information and Illustrated Parts List (IPL) for the Soap Dispenser. The information is prepared in accordance with Air Transport requirements.

2. MANUFACTURE

The Soap Dispenser is manufactured by:

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CBS - Carsten Daus GmbH
Friedberger Str. 35
D-63452 Hanau
Germany

Telephone: +49 (0) 6181 3040 818
Telefax: +49 (0) 6181 3040 885
eMail: service@DausCBS.com
Internet: <http://www.dauscbs.com>

3. SPARES SUPPORT

The Soap Dispenser is supported by:

CAGE CODE: DL161

CBS - Carsten Daus GmbH
Friedberger Str. 35
D-63452 Hanau
Germany

Telephone: +49 (0) 6181 3040 818
Telefax: +49 (0) 6181 3040 885
eMail: service@DausCBS.com
Internet: <http://www.dauscbs.com>

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4. LAYOUT OF MANUAL

This manual contains 16 chapters. The main chapters are general description and operation followed by data for testing and fault isolation, repair, disassembly and assembly of the Soap Dispenser. This is followed by an Illustrated Parts List which gives detailed breakdown information.

5. MAINTENANCE POLICY

The Component Maintenance Manual provides procedures that will enable an approved repairer, who is unfamiliar with the component, to restore the Soap Dispenser to a serviceable condition. These procedures are prepared for the shop mechanic who performs work.

6. REVISION SERVICE

This manual will be updated as required by revisions. Changes to hardware given in service bulletins will be included in this manual with revisions. Configuration changes will be shown in the text by the service bulletin number, i.e. pre SB- and post SB-. Procedures of illustrations not identified by pre SB- or post SB- refers to all configurations.

7. SHOP VERIFICATION

The procedures within this manual have been shop verified by the manufacturer. The sections Testing, Disassembly and Assembly and Storage were verified by actually performing the functions described in these sections.

8. WARNING, CAUTIONS, NOTES

These adjuncts to the text are expressed by the following headings:

WARNING: WARNINGS CALL ATTENTION TO THE USE OF MATERIALS, PROCESSES, PROCEDURES, METHODS OR LIMITS WHICH MUST BE ADHERED TO PRECISELY TO AVOID DEATH OR INJURY TO PERSONS.

CAUTION: CAUTIONS CALL ATTENTION TO METHODS AND PROCEDURES WHICH MUST BE FOLLOWED TO AVOID DAMAGE TO EQUIPMENT.

NOTE: NOTES CALL ATTENTION TO METHODS WHICH MAKE THE JOB EASIER.

9. MEASUREMENT UNITS

All the units in this manual are metric with English equivalents shown in brackets. Units of temperature are in degree Celsius, Fahrenheit shown in brackets.

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10. LIST OF ABBREVIATIONS

ASSY	ASSEMBLY
C	CELSIUS
cm	CENTIMETER
CMM	COMPONENT MAINTENANCE MANUAL
DES	DESCRIPTION AND OPERATION
Det	DETAILS
EFF	EFFECTIVE
F	FAHRENHEIT
FIG	FIGURE
FWD	FORWARD
in	INCH
IPL	ILLUSTRATED PARTS LIST
kg	KILOGRAMM
lb	POUND
LH	LEFT HAND
max.	MAXIMUM
mm	MILIMETER
NHA	NEXT HIGHER ASSY
NO.	NUMBER
REF	REFERENCE
RH	RIGHT HAND
SB	SERVICE BULLETIN

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DESCRIPTION AND OPERATION

1. GENERAL

This section has description and operation information for the Liquid Soap Dispenser.

WARNING: IN ORDER TO GUARANTEE MAXIMUM PERFORMANCE OF THE LIQUID SOAP DISPENSER, LIQUID SOAP MUST HAVE A VISCOSITY < 30 MPa/S, NaCl-SHARE < 1 % AND BE FREE OF ALCOHOL AND AROMATIC COMPOUNDS. WE RECOMMEND TO USE ONLY THE ORIGINAL APPROVED SOAP MANUFACTURED BY CBS - CARSTEN DAUS GMBH.

2. DESCRIPTION

- A. The Liquid Soap Dispenser, herein referred to as the unit, is installed in aircraft lavatories and /or galleys. The unit is mounted on the wall surface.
- B. The Liquid Soap Dispenser and the dosing pump are made of stainless steel, window and inner cylinder are made of plastic.

3. OPERATION

- A. The piston conveys approx. 0,90 ml (0.03 oz.) soap to the piston outlet by each manual depression of the piston. Single-hand operation of the unit is possible.

NOTE: Cleaning of the soap dispenser must be carried out after 18 months (Ref. to chapter CLEANING).

4. TECHNICAL DATA

A. Filling capacity

The unit is available with a filling capacity of:

- approx. 1,00 l (33.81 oz.) for approx. 1100 washings

B. Weight and Dimensions

(1) Weight Soap Dispenser complete:

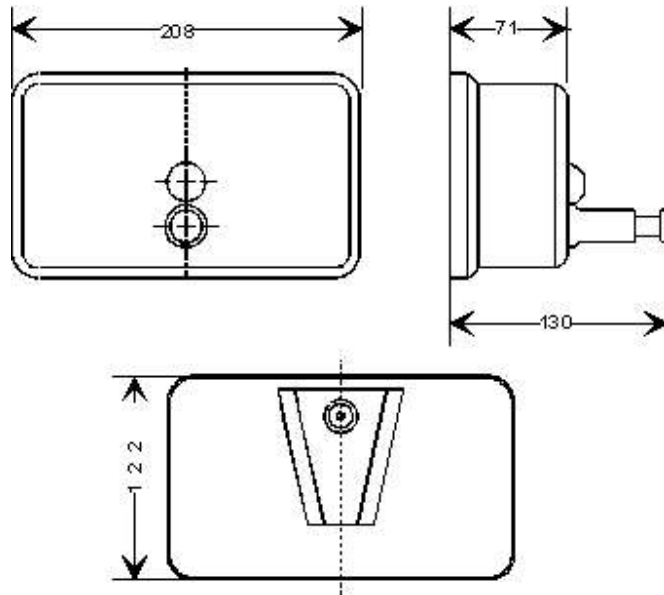
A600-10-XX	0,760 kg	(1.676 lb)
------------	----------	------------

A605-10-XX	0,760 kg	(1.676 lb)
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(2) Dimensions

refer to figure 1 to 2

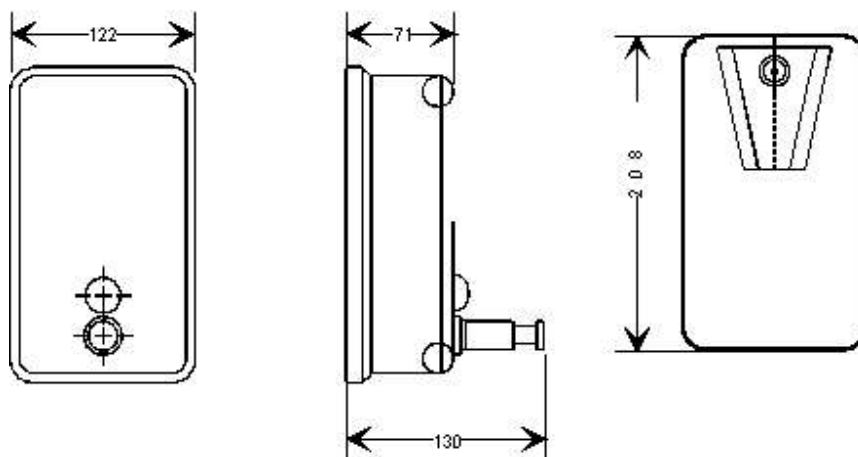
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A600-10-XX

DIMENSION SOAP DISPENSER - A600-10-XX
FIGURE 1

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A605-10-XX

DIMENSION SOAP DISPENSER – A605-10-XX
FIGURE 2

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TESTING AND FAULT ISOLATION

1. GENERAL

- A. This section contains testing and fault isolation for the Liquid Soap Dispenser.
- B. The procedures given below must be completed if a failure is found with Liquid Soap Dispenser during use, or to make sure that the unit is serviceable before it is put into or put back into service.
- C. Carry out all procedures in a clean area to avoid scratches or other damages of any part.
- D. Numbers in parenthesis following item names in the procedures refer to the figures and item numbers in page-block 10001, ILLUSTRATED PARTS LIST.
- E. Make a visual inspection of the Liquid Soap Dispenser as detailed in page-block 5001, CHECK.

2. LIST OF POSSIBLE DEFECTS

NOTE: Ensure that soap container is filled. If the unit does not discharge any soap and defects listed below are not determinable, check that the unit contains the recommended soap (Refer to chapter SERVICING).

FAULT	PROBABLE CAUSE	CORRECTION ACTION
NO, OR INSUFFICIENT SOAP DISCHARGE	A. PISTON MIGHT BE DEFECT	- REPLACE SOAP DISPENSER

FAULT ISOLATION CHART
TABLE 1001

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CLEANING

1. GENERAL

A. List of Materials, Tools and Fixtures

WARNING: THE INSTRUCTIONS FOR USING THE MATERIALS HAVE TO BE OBSERVED (REFER TO THE CORRESPONDING MATERIAL SUPPLIER'S INSTRUCTIONS).

NOTE: Equivalent substitutes can be used for listed items.

MATERIAL	SPECIFICATION	SOURCE
CLEAN WATER		LOCAL PURCHASE

CLEANING MATERIALS
TABLE 4001

2. PROCEDURE

CAUTION: TO PREVENT DAMAGE OR DISTORTION OF THE UNIT DO NOT USE ABRASIVE CLEANERS.

NOTE: Cleaning must be carried out after 18 months.

- A. Clean the piston by pumping clean water through the unit.
- B. Clean the soap dispenser by filling it with clean water and shaking the soap container carefully several times. Repeat this procedure twice.

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CHECK

1. GENERAL

A. Procedure

- (1) Check all parts of the unit visually. Units which are defective, broken or deformed have to be replaced.

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REPAIR

1. GENERAL

No special repair procedure is applicable. Defective units must be replaced.

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SPECIAL TOOLS, FIXTURES AND EQUIPMENT

1. GENERAL

No SPECIAL TOOLS, FIXTURES or EQUIPMENT is required.

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ILLUSTRATED PARTS LIST

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INTRODUCTION

1. GENERAL

This IPL contains the complete listing of all replaceable parts of the Liquid Soap Dispenser.

2. MATERIAL ARRANGEMENT

A. This IPL comprises the following sections:

(1) Introduction

The introduction contains all explanatory information for the individual sections as is necessary for use of this IPL. The introduction further contains a list of abbreviations used in detailed parts list as well as a list of manufacturer's codes together with manufacturer's names and addresses.

(2) Numerical Index

(a) This section contains a listing of part numbers of all items listed in the detailed parts list in alpha/numerical sequence with cross-reference to respective Fig./Item Nos. as well as units per assy. The order of precedence in beginning the part number arrangement at the left-hand (first) position is as follows:

- letters A through Z (except ,O' to be considered zero),
- numerals 0 through 9.

(b) For subsequent rows, the order is:

- a dash (-),
- letters A through Z (except ,O' to be considered zero),
- numerals 0 through 9.

(3) Detailed Parts List

(a) Column FIG. ITEM

The first number in the first line of a page indicates the number of the figure illustrating the part. The second number indicates the item number by which the part is identifiable on the illustration. A dash (-) placed before the item number indicates the part is not illustrated.

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(b) Column PART NUMBER

The part number column contains the original manufacturer's part number. When standard parts are used, the standard part number is listed in this column.

1 CBS - Carsten Daus GmbH Part Number Arrangement

Example:

A600-10-SS

A600 ----- Model number

10 ----- Soap container capacity 1,00 l (0.265 US gal.)

SS ----- Stainless Steel surface

(c) Column AIRLINE STOCK NUMBER

This column is left blank for airline internal use.

(d) Column IND

The indenture system shows the relationship of parts and assemblies to next higher assemblies or installations as follows:

IND

1 Assembly or installation assembly RF number.

2 Detail parts of assembly or sub-assembly.

3 Detail parts of sub-assembly or sub-sub-assembly.

4 etc.

(e) Column NOMENCLATURE

1 Attaching parts

Attaching parts are captioned ATTACHING PARTS and are listed immediately following the parts attached.

The *** symbol follows the last item of the attaching parts group. Column EFF CODE

2 Cage (Vendor) Code

Parts manufactured by companies other than CBS-Carsten Daus GmbH are identified by an appropriate cage (vendor) code following the nomenclature. Vendor codes are in accordance with current issues of Federal Supply Codes for Manufacturers Cataloguing Handbooks H4-1, H4-2 and H4-3, and are preceded by the letter „V“. Standard parts such as An, MS etc. are not identified by a vendor code.

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- (f) Column EFF CODE
The Effectivity Code column establishes a part relationship with units or assemblies which are essentially the same but have minor deviations. These units or assemblies are assigned reference letters such as A, B, C etc. Parts which are not common to all configurations but are associated with one or more of the coded lead items, carry the letter or letters assigned to the lead item with which it is associated. Where a part is common to all lead items, the effectivity column is left blank.
 - (g) Column UNITS PER ASSY
This column contains the quantity of a specific catalog sequence numbered part required in the build sequence of only one (where more than one exists) next higher sub-sub-assembly, sub-assembly, assembly or installation level as applicable. For bulk items, the letters "AR" are inserted in the quantity column to indicate "as required". Where items are listed for reference purpose, "RF" is inserted.
- (4) Explanation of Terms and Symbols
- (a) Part numbers with more than 15 characters require the introduction of a dummy part number with a cross-reference to the over length part number. This will be shown in the detailed parts list as follows:
"OPN xxxxxxxxxxxxxxxx (Vx)
 - (b) Part numbers amended with a capital letter (shown in the nomenclature column) means that this equipment is improved without any change to the operational effect.
 - (c) The term "REPLD BY" means that the part in the part number column is replaced by and is interchangeable with the part number shown in the notation.
 - (d) The term "REPL" means that the part in the part number column replaces and is interchangeable with the part number shown in the notation.
 - (e) The term "ALT" means that the part is an alternative for another part with equal value, weight, dimension, etc. Can be noted with certain specifications or completely interchangeable.
 - (f) The term "INT" means that the part is completely equal to other variants listed without any differing specifications. It may be used in any instance where the alternate part is referenced.
 - (g) The term "NP" means that the part is not procurable. Order next higher assembly.

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(5) List of Abbreviations

The following abbreviations are used in this IPL:

Abbreviation

ALT	ALTERNATE PART NUMBER
AR	AS REQUIRED
ASSY	ASSEMBLY
BKDN	BREAKDOWN
DET	DETAIL
EFF	EFFECTIVE/EFFECTIVITY
FIG	FIGURE
IN	INCH
IND	INDENTURE
IPL	ILLUSTRATED PARTS LIST
L	LITER
MM	MILLIMETER
NHA	NEXT HIGHER ASSEMBLY
NO	NUMBER
NOS	NUMBERS
NP	NOT PROCURABLE
OPN	OVERLENGTH PART NUMBER
OPT	OPTIONAL PART NUMBER
PNR	PART NUMBER
REPLD	REPLACED
REPLS	REPLACES
REQ	REQUIRED
RF	REFERENCE
SUPSD	SUPERSEDED
SUPSDS	SUPERSEDES
TTL	TOTAL
V	VENDOR

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- (6) List of Vendors
Not applicable

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NUMERICAL INDEX

PART NUMBER	AIRLINE STOCK NO.	FIG	ITEM	TTL REQ
A600-10-SS		01A	001A	RF
A600-10-WH		01A	001B	RF
A600-88		02A	010A	1
A605-10-SS		01B	001A	RF
A605-10-WH		01B	001B	RF

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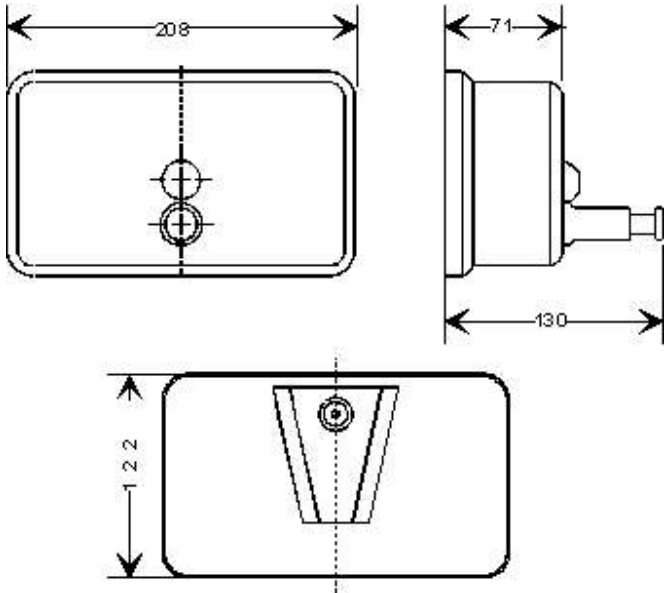
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LIQUID SOAP DISPENSER - A600-10-XX
FIGURE 1A

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	I N D	NOMENCLATURE	EFF CODE	UNIT PER ASSY
01A						
	001A A600-10-SS		1	DISPENSER, LIQUID SOAP STAINLESS STEEL	A	RF
	-001B A600-10-WH		1	DISPENSER, LIQUID SOAP WHITE	B	RF
	-010A A600-88		2	HOLDER	A-B	1

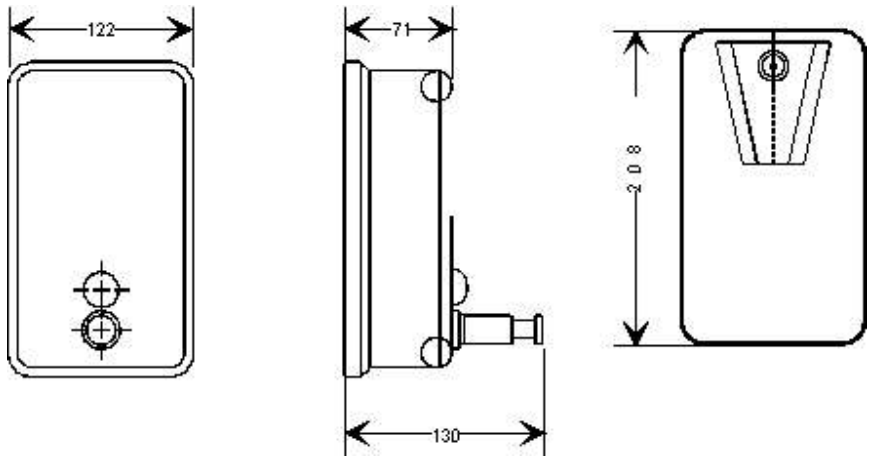
- ITEM NOT ILLUSTRATED

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LIQUID SOAP DISPENSER - A605-10-XX
FIGURE 1B

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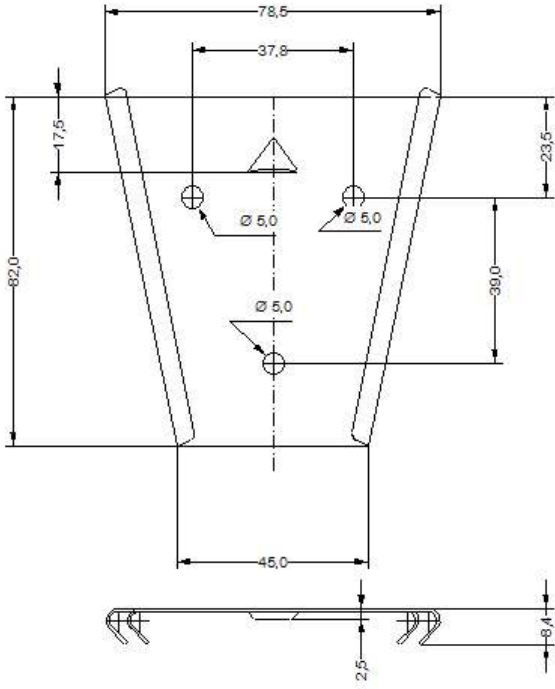
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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	I N D	NOMENCLATURE	EFF CODE	UNIT PER ASSY
01B						
	001A A605-10-SS		1	DISPENSER, LIQUID SOAP STAINLESS STEEL	A	RF
	-001B A605-10-WH		1	DISPENSER, LIQUID SOAP WHITE	B	RF
	-010A A600-88		2	HOLDER	A-B	1

- ITEM NOT ILLUSTRATED

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HOLDER
FIGURE 2A

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FIG. ITEM	PART NUMBER	AIRLINE STOCK NUMBER	I N D	NOMENCLATURE	EFF CODE	UNIT PER ASSY
02A	010A A600-88		1	HOLDER	A	1

- ITEM NOT ILLUSTRATED

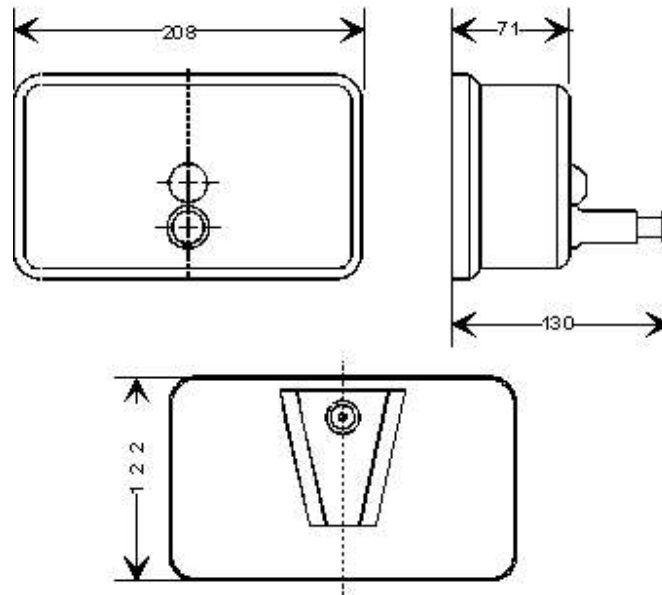
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REMOVAL

1. PROCEDURE

(1) Removal of Unit PN A600 Series (Ref. Fig. 12001)

- (a) Unscrew soap dispenser from holder.
- (b) Remove soap dispenser from holder.
- (c) Unscrew holder.
- (d) Remove holder.

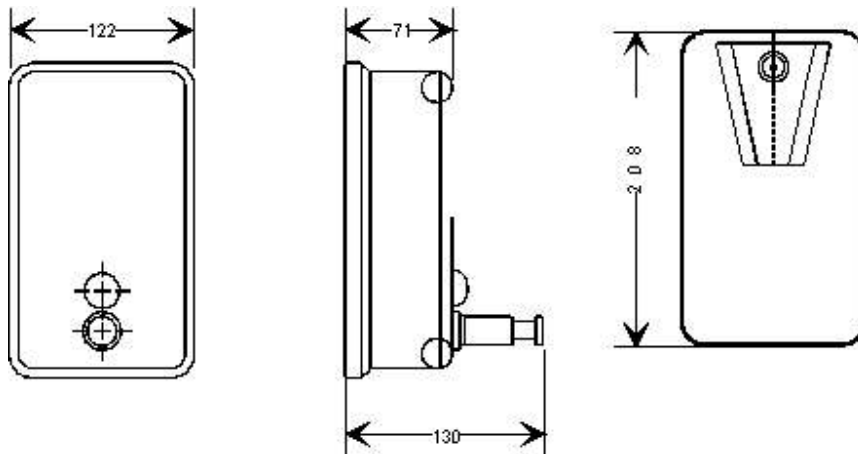


REMOVAL OF A600 SERIES
FIGURE 12001

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(2) Removal of Unit PN A605 Series (Ref. Fig. 12002)

- (a) Unscrew soap dispenser from holder.
- (b) Remove soap dispenser from holder.
- (c) Unscrew holder.
- (d) Remove holder.



REMOVAL OF A605 SERIES
FIGURE 12002

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INSTALLATION

1. GENERAL

WARNING: IN ORDER TO GUARANTEE MAXIMUM PERFORMANCE OF LIQUID SOAP DISPENSER LIQUID SOAP MUST HAVE A VISCOSITY < 30 MPA/S, NACL-SHARE < 1 % AND BE FREE OF ALCOHOL AND AROMATIC COMPOUNDS. WE RECOMMEND TO USE ONLY THE ORIGINAL APPROVED SOAP MANUFACTURED BY CBS - CARSTEN DAUS GMBH.

NOTE: Before first installation, the location has to be chosen taking into consideration the available space needed to mount the soap dispenser on the wall.

2. PROCEDURE

(1) Installation of Unit PN A600 Series (Ref. Fig. 12001)

WARNING: IN ORDER TO GUARANTEE MAXIMUM PERFORMANCE OF LIQUID SOAP DISPENSER LIQUID SOAP MUST HAVE A VISCOSITY < 30 MPA/S, NACL-SHARE < 1 % AND BE FREE OF ALCOHOL AND AROMATIC COMPOUNDS. WE RECOMMEND TO USE ONLY THE ORIGINAL APPROVED SOAP MANUFACTURED BY CBS - CARSTEN DAUS GMBH.

(a) Install holder on the wall and secure with the 3 screws.

NOTE: If holder is to be installed for the first time, mounting holes must be drilled. Use appropriate screws taking into consideration the material and thickness of the wall.

(b) Attach soap dispenser to the holder and secure the soap dispenser with the inside screw on the holder

NOTE: For filling the unit refer to chapter SERVICING.

(2) Installation of Unit PN A605 Series (Ref. Fig. 12002)

WARNING: IN ORDER TO GUARANTEE MAXIMUM PERFORMANCE OF LIQUID SOAP DISPENSER LIQUID SOAP MUST HAVE A VISCOSITY < 30 MPA/S, NACL-SHARE < 1 % AND BE FREE OF ALCOHOL AND AROMATIC COMPOUNDS. WE RECOMMEND TO USE ONLY THE ORIGINAL APPROVED SOAP MANUFACTURED BY CBS - CARSTEN DAUS GMBH.

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- (a) Install holder on the wall and secure with the 3 screws.

NOTE: If holder is to be installed for the first time, mounting holes must be drilled. Use appropriate screws taking into consideration the material and thickness of the wall.

- (b) Attach soap dispenser to the holder and secure the soap dispenser with the inside screw on the holder.

NOTE: For filling the unit refer to chapter SERVICING.

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SERVICING

1. REFILLING

WARNING: IN ORDER TO GUARANTEE MAXIMUM PERFORMANCE OF LIQUID SOAP DISPENSER LIQUID SOAP MUST HAVE A VISCOSITY < 30 MPA/S, NACL-SHARE < 1% AND BE FREE OF ALCOHOL AND AROMATIC COMPOUNDS. WE RECOMMEND TO USE ONLY THE ORIGINAL APPROVED SOAP MANUFACTURED BY CBS - CARSTEN DAUS GMBH.

The unit shall be refilled without removal of the soap dispenser.

A. Procedure

- (1) Use the key and unlock the lid on top of the soap dispenser.
- (2) Open the lid and keep it open.
- (3) Refill soap dispenser with liquid soap through the open lid.
- (4) Close lid and make sure it is locked (snapped in).

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STORAGE

1. GENERAL

A. Storage Instructions

- (1) Place unit in a suitable cardboard box and identify on the outer surface.
- (2) Store in a dry room.

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