Barrel pump G2“-S 56x4 for special fuels (gasoline)



Operating instructions and safety notes

88 930 001 A401 GB

PRESSOL Schmiergeräte GmbH

This documentation is exclusively intended for the operating company and their staff.

Without our written consent, the content of this documentation (textes, figures, drawings, charts, diagrams etc.), must not be duplicated or distributed, neither in full or in part, utilized for the purpose of competition or passed on/made availabe to third parties.

PRESSOL Schmiergeräte GmbH
Parkstraße 7
93167 Falkenstein | Germany
Tel. +49 9462 17-0
Fax +49 9462 17-208
info@pressol.com
www.pressol.com

Operating instructions translation

Date of issue: 10/2025

We reserve the right to make design and product modifications, which serve to improve the product.

Table of Contents

1. Introduction 3
1.1. Preface 3
1.2. Obligation of the personnel 3
1.3. Symbols in this manual 3
1.3.1. Structure of the warning notes 3
1.3.2. Hazard symbols 4
2. Safetey 4
2.1. Intended conditions of use 4
2.2. Reasonably foreseeable misuse 5
2.3. Risks when handling gasoline 5
3. Notes for the operating company 5
4. Technical data 6
5. Assembly 8
6. Operation 9
6.1. Commissioning 9
6.2. Normal operation 10
7. Maintenance 10
8. Cleaning 11
9. Dismantling 11
10. Storage 12
11. Disposal 12
12. Repair/Service 12
13. Exploded view 13

1. Introduction

1.1. Preface



IMPORTANT

- Read and observe the directions of use carefully before use.

Our staff will be pleased to provide support if you have any questions about the product.

Yours sincerely, PRESSOL Schmiergeräte GmbH

1.2. Obligation of the personnel

Before they start to work, all persons who are entrusted to work with the barrel pump are obliged:
– to follow all applicable regulations on occupational safety and accident prevention.
– o read and to comply with all safety instructions and warning notes contained in these operating Instructions

Please observe the following instructions in the interest of all concerned:

- Refrain from any unsafe working methods!
- Adhere to all hazard and warning notes contained in this manual!
- In addition to this documentation, keep to all generally accepted safety rules, legal provisions as well as all other binding rules regarding occupational safety, accident prevention and environmental protection!
- Wear appropriate protective clothing in accordance with the work to be done!
- Perform only work for which you have been sufficiently trained and instructed!
- Only genuine spare parts as well as original tools and auxiliaries of the manufacturer are allowed to be used in order to ensure the functional safety and maintain the warranty coverage.

1.3. Symbols in this manual

1.3.1. Structure of the warning notes

The warning notes have the following structure:

DANGER:
Non-observance will result in death or serious injury of persons!



DANGER

Type and source of the danger!
Possible consequence(s) of disregarding the danger.

- Countermeasure 1
- Countermeasure 2

WARNING:
Non-observance may result in death or severe injury of persons!



WARNING

Type and souce of the danger!
Possible consequence(s) of disregarding the danger.

- Countermeasure 1
- Countermeasure 2

CAUTION:
Non-observance may result in minor or moderate injury of persons.



CAUTION

Type and source of the danger!
Possible consequence(s) of disregarding the danger.

- Countermeasure 1
- Countermeasure 2

NOTE:



NOTE

Notes may contain important information or may point out to product damages or certain tasks / requirements.

- Note 1
- Note 2

1.3.2. General symbols

Symbol	Meaning
■	A small black square indicates the work you have to perform.
–	The dash denotes lists.

2. Safety

2.1. Intended use

- The barrel pump is only allowed to be used in technically perfect condition while being aware of safety and danger respects and in compliance with the intended use and with the operating instructions.
- In particular, malfunctions which may impair safety must be removed immediately.
- The barrel pump is only allowed to be used in conjunction with the supplied suction basket.
- The barrel pump and its components are designed exclusively for use with the indicated fluids.
- The barrel pump is only allowed to be used for pumping flammable and non-flammable fluids such as diesel/fuel oils, fuels (AI-III), low-viscous mineral oils up to SAE 50, radiator antifreeze (undiluted) and windscreen antifreeze (diluted or undiluted).
- The temperature of the pumped liquid must be between +10 °C and +35 °C.
- The maximum admissible temperature of the barrel pump is 40 °C.
- The user is liable for any damage resulting from non-intended use.

2.2. Reasonably foreseeable misuse

You must observe the following points to ensure the safe operation and use of the product.
The following applications are deemed to be not in compliance with the intended use:

- The use in the food industry.
- The use of the barrel pump without suction basket.
- The use of liquids beyond the indicated temperature range.
- The use of the barrel pump at ambiant temperatures above 40 °C.
- Wiping the surface of the barrel pump or of the tank / barrel, this may lead to static charges.

Please contact the manufacturer if you want to carry out work not described in the operating instructions.

2.3. Risks when handling gasoline

Gasoline is a combustible fluid. Improper handling leads to risks for humans and environment.



CAUTION

Risk of injury via skin and eye contact
In case of an improper handling of the barrel pump, fluid may spurt out and cause injuries.

- Avoid skin and eye contact. In case of contact with the eyes, rinse the eyes with plenty of drinking water and consult a physician!
- Observe the safety information for gasoline.

3. Notes for the operating company



NOTE

Organisational measures

- The operating instructions must be stored ready at hand at the place of use.
- Each person entrusted with installation, commissioning, maintenance, servicing and operation must have read and understood the complete operating instructions.
- The safety and warning notes in the operating instructions must be strictly observed and kept in a completely readable condition.



NOTE

Qualification of personnel

- The operating, maintenance and assmbly personal must have appropriate qualification for this work.
- The area of responsibility, competence and supervision of the personnel must be precisely specified by the operating company.
- The operating company is responsible for a sufficient training of the personnel.

NOTE

Prevention of water pollution

- The barrel pump is designed for handling water-polluting substances. The regulations that are valid at the place of use must be observed.

NOTE

Hydraulics

- Only qualified personnel is allowed to perform work on hydraulic parts and components.
- Pipes and hoses must be regularly checked for leaks and damages.
- Fluid spurting out can cause injuries and fires.
- Observe the applicable safety regulations for the fluids to be conveyed.

NOTE

Earth leakage resistance

- The operating company is responsible for grounding the tank / barrel and the collection tray, if used.
- When using the discharge spout, it does not need to be grounded.

4. Technical data

Barrel pump for gasoline-G 2“-S 56x4	**SRL 355-955-24 l/min**
Item number	13045
EAN	4103810130458
Discount group	A
Technical data	
Delivery rate (l/stroke)	0,4
Delivery rate at 60 strokes per minute (l/min)	24
Fluids	Special fuels, fuels hazard classes AI-III (gasoline), diesel, fuel oils, kerosene, low-viscosity mineral oils up to SAE 50, radiator antifreeze and glass cleaners (diluted and undiluted)
Usage	Barrels 60/200/220 l
Length, three-part suction tube (mm)	355 – 955
Barrel screw coupling	G 2" male and M 64x4 male
Ambiant temperature (°C)	max. 40
Material of the wetted parts	
Pump body	ABS + PA 6
Seals	FKM
Metal parts	Stainless steel
Weight (kg)	2,35

Specifications

- Telescopic suction tube (13 094) with suction basket (13 097 004) adjustable in length (from 355 to 955mm).
- Barrel adapter G 2" (13 085) and Barrel adapter S 56x4 (13 085 001).
- Discharge hose- complete kit (13045 010) with electric delivery hose 1500mm (81679), steel discharge spout (00844), hose holder (00845) and grounding cable with alligator clip, Discharge spout (81 112).
- Packed in single carton box.

Special features

- Constant delivery rate.
- Completely dismountable – easy to clean.
- Spare parts, seals and pistons available for 10 years.
- Simple barrel installation by screw coupling.
- Can be freely positioned in 30° increments.
- Optional barrel adapters: barrel adapter S 56x4 (13 085 001); barrel adapter S 69,5x5,5 (13 085 002); barrel adapter M 64x4 male (13 085 003); barrel adapter 64x5 (13 085 006).
- 5 year warranty (excluding wearable parts).
- Telescopic suction tube, flexible length (13 094).
- Described as a safe solution for gas explosion risk areas as well as support for petrol fuels.

Packaging

Dimensions LxWxH (mm)	395 x 243 x 125
Weight including package (kg)	2,63
Packaging unit	1,0

5. Assembly

Check and prepare all parts before assembly.

Procedure:

- Fit the suction basket (8) to the telescopic suction tube (4) (refer to fig. 5-1).
- Fit the telescopic suction tube (4) to the pump (2) (refer to fig.5.1).
- Fit the discharge spout (3) or discharge hose (6) and the coupling nut to the pump (2) (refer to fig. 5-1).
- When assembling the discharge hose (6), the hose holder (7) must be clamped between pump and coupling nut into the desired position.
- Screw the pump lever (1) down to the pump (2) (refer to fig. 5.1).
- At first, screw the barrel adapter G2" (5) into the connecting thread of the storage reservoir and fasten it hand-tight (refer to fig. 5.-1).
- Put the pump (2) into the desired position of the barrel adapter (5).
- The pump can be fixed as required in one of of the 12 possible positions.

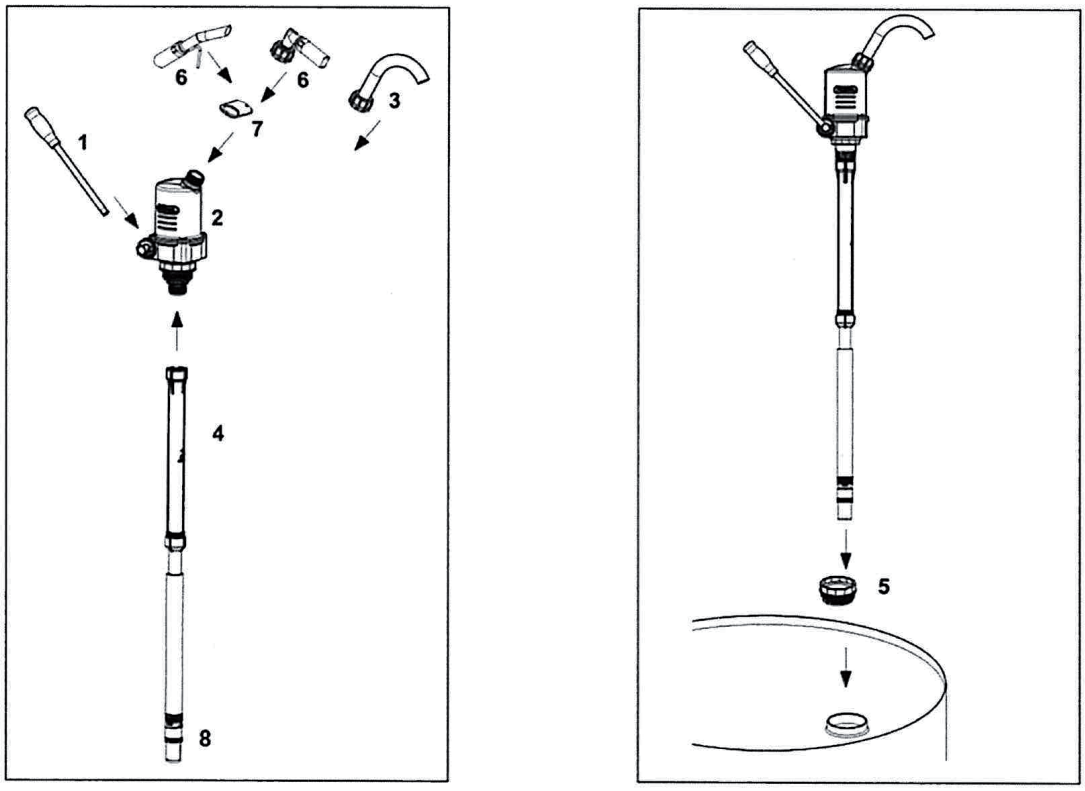


Fig. 5-1: Mounting example

- Fasten the alligator clamp (11) to the barrel or to the tank to ensure earth leakage resistance.

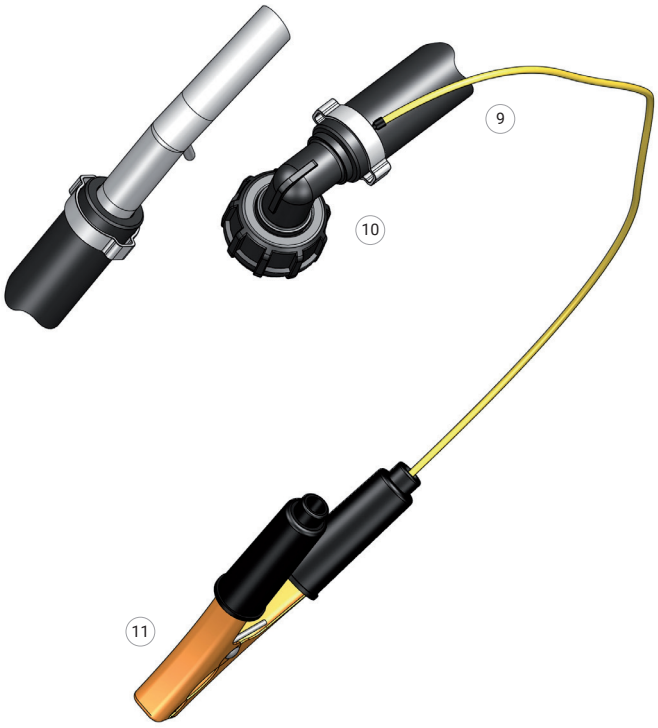


Fig. 5.-2: Mounting example for earth leakage resistance

NOTE

Earth leakage resistance

- The operating company must ensure that the hand pump and the tank/the barrel are grounded, if they are used for potentially explosive material or in potentially explosive atmospheres.
- When using the discharge spout, it does not need to be grounded.

6. Operation

6.1. Commissioning

- Prior to commissioning, check to ensure that the pump is correctly mounted and that there are no visible damages.
- Put the discharge tube into a tank or in a suitable container.
- Actuate the lever several times until the pump suctions and fluid comes out of the discharge tube.
- Before starting operation with potentially explosive fluids and in potentially explosive atmospheres, check the earth leakage resistance between the hand pump and the tank/barrel.
- Have the earth leakage resistance checked by qualified personnel at regular intervals.
- Make sure that the barrel or a collection tray, if used, are grounded.

6.2. Normal operation

- Move the lever forward and backward until the desired quantity has been delivered.

NOTE

Dry running

- Make sure that the barrel pump does not run dry for a prolonged time.
- A prolonged dry running period may lead to impermissibly high temperatures at the barrel pump and create thus an an explosion hazard.
- A prolonged dry running of the pump may lead to the destruction of the pump.

NOTE

Conveyance of impermissibly heated fluids

- Make sure that no impermissibly heated fluids are pumped, there is a risk of explosion.

7. Maintenance

NOTE

Maintenance

- Only authorized skilled personnel is allowed to carry out maintenance work.
- Changes, additions or modifications made to the barrel pump, which may impair its safety, are not allowed without the manufacturer's permission.
- Only original spare parts are to be used.

Component	Description of measures
Filter in the suction tube	If the performance considerably decreases, check, and if required replace, the filter.
Discharge hose and connecting elements	Check for leakages. Replace defective seals and hoses immediately.
Suction basket	Check regularly for integrity. Replace the suction basket if damaged.

Tab. 7-1.: Maintenance schedule

8. Cleaning

Before starting to clean the barrel pump, loosen the four screws of the housing (refer to fig. 8.-1: Screwing housing).



Fig. 8.-1: Screwing housing

- Do not use detergents in order to avoid residues of cleaning agents in the pump compartment.

CAUTION

Risk of injury due to static charges!
Wiping the surface of the barrel pump or of the tank / the barrel with a cloth or rag may lead to a static charge.

- Never clean the barrel pump with a cloth or a rag.

9. Disassembly

NOTE

Disassembly of the barrel pump

- Only skilled personnel is allowed to disassemble the barrel pump for gasoline.
- Before dismantling the barrel pump, ensure that there is no liquid left in the pump.

Procedure

- Loosen the two-ear-hose clamp (10) at the hose to remove the grounding cable (9) (refer to 5.-2).
- Remove the alligator clamp (11) from the barrel or tank (refer to fig. 5.-2).
- Pull out the barrel pump (refer to fig. 5.-1).
- Loosen the screw coupling (5) at the barrrel (refer to fig. 5.-1).
- Screw out the pump lever (1) (refer to fig. 5.-1).
- Loosen the coupling nut and remove the discharge spout / discharge hose (3) (refer to fig. 5.1).
- Remove the telescopic suction tube (4) from the pump (2) (refer to fig. 5.1).

10. Storage

Make sure that there is no liquid left in the pump before placing it in store.

11. Disposal

- The operating company is responsible for the proper disposal of the pump.
- Hereby, the industry-specific and local regulations must be observed regarding the disposal of the different materials.
- Only skilled personnel is allowed to dispose of the barrel pump for gasoline.
- Bring used metal to a metal scrap recycling facility.
- Send plastic waste to a recycling centre.
- Keep to the applicable legal water regulations when disposing of any waste.

12. Repair/Service

The barrel pump was developed and produced according to the highest quality standards. Should a problem develop, despite all quality controls, please contact our customer service:

PRESSOL Schmiergeräte GmbH
Tel. +49 9462 17-246
Fax +49 9462 1063
service@pressol.com

13. Exploded view

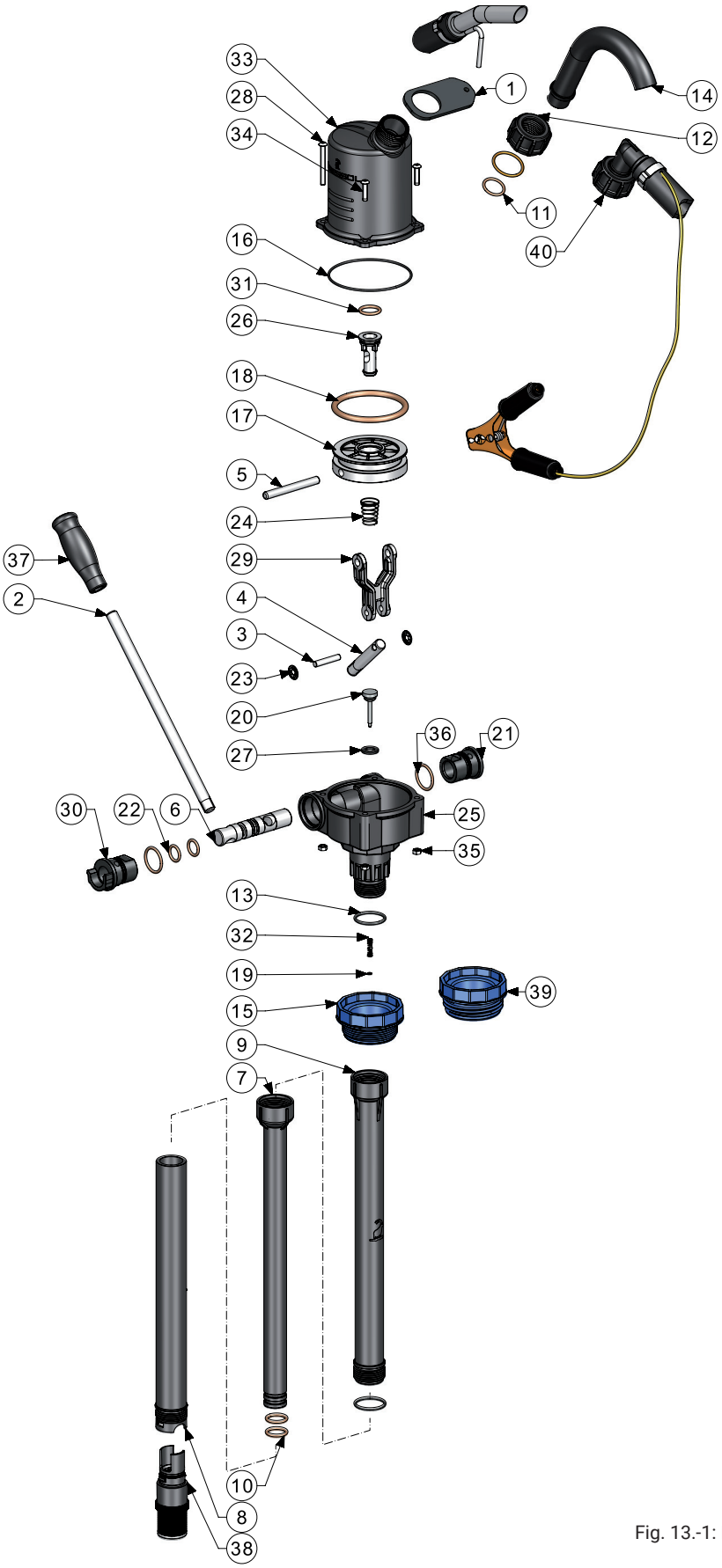


Fig. 13.-1: Exploded view of the barrel pump

Pos.	EBS No.	Designation	Quantity
1	00845	Hose holder	1
2	87348	Lever	1
3	81505	Conrod pin	1
4	81506	Connecting rod	1
5	81504	Piston pin	1
6	81500	Pump shaft	1
7	81619	Standpipe	1
8	81618	Immersion tube	1
9	81617	Lengthening	1
10	83013	O-ring FKM 70-19,5x3	2
11	86921 878	O-Ring-FKM 80-20x2,5	2
12	82857 012	Coupling nut-G 1" - black	1
13	89111 878	O-Ring-FKM 80-29x2,5	2
14	81112	Discharge spout	1
15	13085	Barrel screw coupling -G 2“ male	1
16	81509 879	O-Ring	1
17	81501	Piston	1
18	81640	O-Ring-FKM 80-69x6	1
19	00747 889	Lock washer D2	1
20	87982	Valve cone	1
21	81499 001	Bearing sleeve-closed-black	1
22	81517 879	O-Ring	2
23	81507	Lock washer	2
24	81508	Compression spring conical	1
25	81496 001	Pump housing-black	1
26	81502	Piston valve	1
27	87920	Flat gasket	1
28	81514	Semi-round head screw ISO 7380-1	2
29	81503	Conrod	1
30	81498 001	Bearing sleeve-open-black	1
31	81516 879	O-Ring	1
32	87932 889	Compression spring	1
33	81493 001	Pump cylinder	1
34	81636	Lens head screw ISO 7380-1	2
35	86773	Hexagon nut DIN 934	4
36	81515 879	O-Ring	2
37	81492	Handle	1
38	13097 002	Suction basket – stainless steel	1
39	13085 001	Barrel screw coupling S 56x4	1
40	13045 010	Discharge hose complete set	1

Tab. 13.-1: Exploded view, spare parts, barrel pump

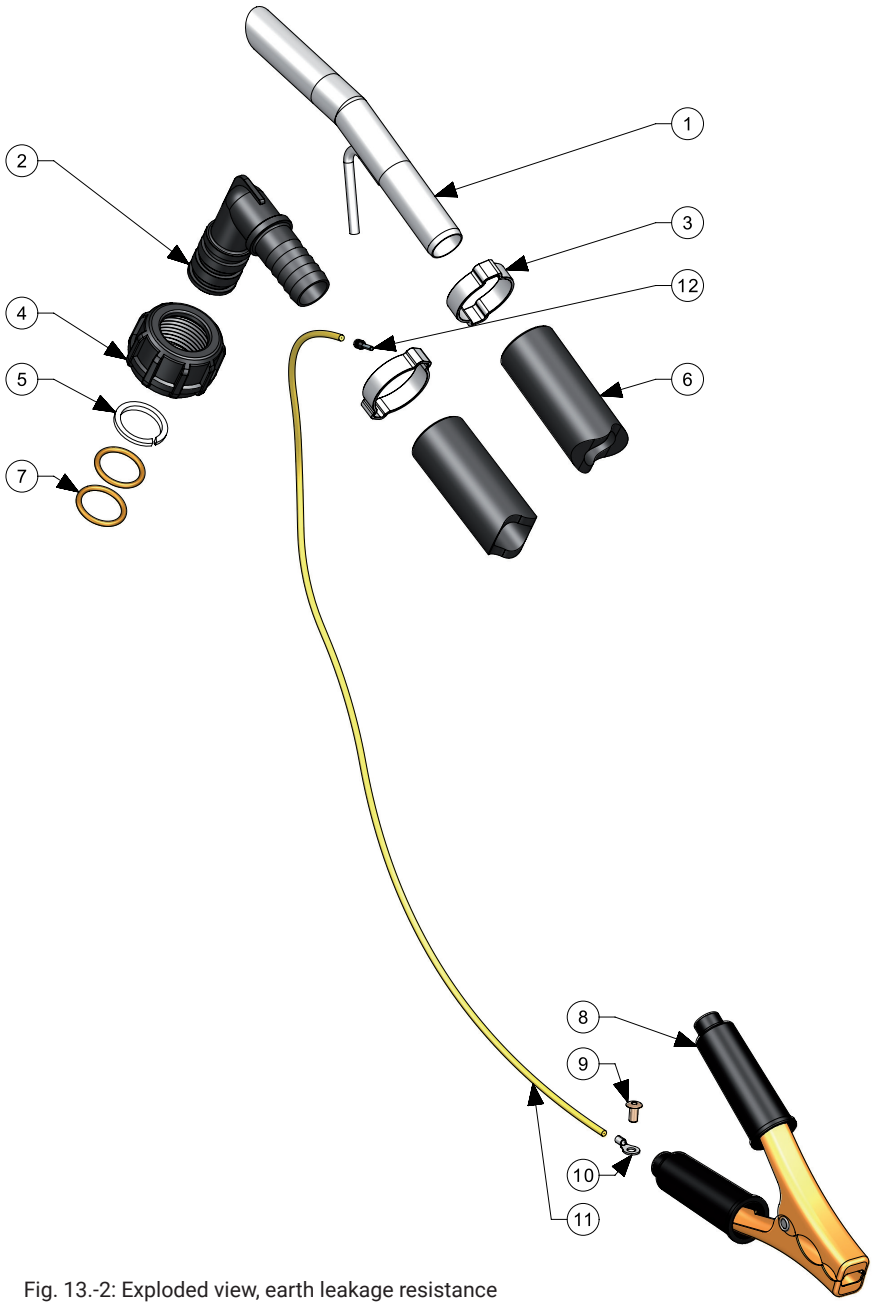


Fig. 13.-2: Exploded view, earth leakage resistance

Pos.	EBS No.	Designation	Quantity
1	00844	Steel discharge spout	1
2	82861 002	Bend 90 ° (black)	1
3	93466	Two-ear hose clamp, type CO	2
4	82857 012	Coupling nut-G 1“ – black	1
5	82862	Locking ring	1
6	81679	Hose for barrel pump DN 19	1,5m
7	86921 878	O-Ring FKM 80 – 20x2,5	2
8	86658	Alligator clip big - black	1
9	92681	Flat round head blind rivet	1
10	92689	Ring cable lugs 2,5x4 KU-SP	1
11	83133	Grounding cable yellow/green	0,5m
12	88356	Wire end sleeve DIN 46228	1
13	93395	Grounding cable	1

Tab.13.-2: Exploded view, spare parts, earth leakage resistance

PRESSOL Schmiergeräte GmbH
Parkstraße 7
93167 Falkenstein | Germany
Tel. +49 9462 17-0
Fax +49 9462 17-208
info@pressol.com
www.pressol.com

Operating instructions and safety notes