

Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
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Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
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Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13

Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://leitenberger.nt-rt.ru/> || [bge@nt-rt.ru](mailto:bge@nt-rt.ru)

## BRAKE BLEEDER SERVICE UNIT

- Brake service units for maintenance, leak testing and the extraction of brake fluid (\*DL version) on hydraulic brake systems and clutches.
- In conjunction with the practical transport cart, this provides a mobile service station that combines efficiency and tidiness.
- Available with different power supplies:
  - 12 VDC vehicle voltage
  - 110 VAC mains voltage
  - 230 VAC mains voltage
- The connection to the brake system is implemented at the expansion tank of the master brake cylinder
- A list of brake adapters (adapter B..) for almost all car manufacturers can be found in the "Adapter\_list\_brakes.pdf" document.

## LEAK DETECTION SYSTEM FOR BRAKE SYSTEMS



item number :  
**LDS 01\_BS (E) (060057\_1)**

### DESCRIPTION

- In combination with the air conditioning system leak test system KLDS 01, forming gas / test gas can be introduced into an empty brake system for leak testing
- A pressure drop test can then be carried out with the LDS 01\_BS
- The system is sealed without a drop in pressure. If a pressure drop is detected, the leak can be localized (e.g. by the electronic leak detector ELS 04)
- Only suitable for emptied systems
- Adjustable test pressure, maximum 4 bar
- Digital pressure display, resolution 0.01 bar (10 mbar)
- Test adapter not included.
- A list with the available brake adapters can be downloaded in the service area

# OVERVIEW BRAKE SERVICE UNITS



item number :  
**BSG**

## DESCRIPTION

Model	Power supply	Container mount	Catch bottle with hose	Transport Cart	Extraction unit
BSG 012_V3 (100505_1)	12 V/DC	up to 5 l	–	–	–
BSG 012_Motorrad_V3 (100505_3)	12 V/DC	up to 5 l	–	–	–
BSG 110_V3 (100506_1)	110 V/AC	up to 5 l	–	–	–
BSG 230_V4 (100507_1)	230 V/AC	up to 5 l	–	–	–
BSG 012_FW (100509_1)	12 V/DC	up to 20 l	X	X	–
BSG 110_FW (100510_1)	110 V/AC	up to 20 l	X	X	–
BSG 230_FW (100508_1)	230 V/AC	up to 20 l	X	X	–
BSG 110_FDWL (100512_1)	110 V/AC	up to 20 l	X	X	X
BSG 230_FDWL (100511_1)	230 V/AC	up to 20 l	X	X	X
Transport Cart					
FW (100513_1)	-	up to 20 l	–	X	–
FW 110DL (100513_2)	110 V/AC	up to 20 l	–	X	X
FW 230DL (100513_3)	230 V/AC	up to 20 l	–	X	X

## BRAKE SERVICE UNIT (12V, 5L)



item number :  
**BSG 012\_V3 (100505\_1)**

## DESCRIPTION

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation

- Practical due to low weight
- High performance quality product made in Germany
- Mobile brake service perfectly organised
- In combination with the optional transport cart "FW", all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 12 VDC (cigarette lighter plug)
- Holder for containers up to 5 l
- Extensive assortment of adapters
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 5.8 kg
  - Electrical connection: 12 VDC
  - Length: 310 mm
  - Width 290 mm
  - Height: 400 mm
  - Filling hose length: 2.5 m
  - Container size max.: 5 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"

### *SCOPE OF DELIVERY*

- 1 BSG brake service unit
- 1 B 611 adapter

### *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request

### *SPARE PARTS*

ET 293.1 121189\_1 Filling hose with European coupling

ET 445 121475 Plastic catch container, 1 liter

ET 520 111860 Fuse holder with fuse

ET 569 111615 Start button

ET 570 111616\_1 Mains switch

ET 573 111619 Gauge, range 1 to 4 bar

B 611 100611\_1 Adapter with K-nipple

ET 619 111665 Pump 230 V

ET 589 111634 Pressure regulator

ET 624 121566 Pressure switch

ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber

ET 720 111766 Spiral hose (extraction)

ET 1003 111559\_1 Filter (extraction)

# BRAKE SERVICE UNIT (230V, 5L)



**item number :**  
**BSG 230\_V4 (100507\_1)**

## *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Practical due to low weight
- High performance quality product made in Germany
- Mobile brake service perfectly organised
- In connection with the optional transport cart "TW", all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 230 VDC
- Holder for containers up to 5 l
- Adapters available for almost all vehicle manufacturers, see "Adapter\_list\_brakes"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 7 kg
  - Electrical connection: 230 VDC
  - Length: 310 mm
  - Width 290 mm
  - Height: 400 mm
  - Filling hose length: 2.5 m
  - Container size max.: 5 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"

## *SCOPE OF DELIVERY*

- 1 Brake service unit BSG
- 1 Adapter (universal) B 611

## *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers.
- Special adapters on request
- Transport cart FW (100513\_1); Features "Transport cart" attachment options for screwing to the service device.; max. container size up to 20 litres, fixed with safety straps.; Extraction

unit with spiral hose and filter.; Collection container (1 litre) can be quickly and easily removed thanks to the quick coupling.

### SPARE PARTS

- ET 293.1 121189\_1 Filling hose with European coupling
- ET 445 121475 Plastic catch container, 1 liter
- ET 520 111860 Fuse holder with fuse
- ET 569 111615 Start button
- ET 570 111616\_1 Mains switch
- ET 573 111619 Gauge, range 1 to 4 bar
- B 611 100611\_1 Adapter with K-nipple
- ET 619 111665 Pump 230 V
- ET 589 111634 Pressure regulator
- ET 624 121566 Pressure switch
- ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber
- ET 720 111766 Spiral hose (extraction)
- ET 1003 111559\_1 Filter (extraction)

## BRAKE SERVICE UNIT (110V, 5L)



item number :  
**BSG 110\_V3 (100506\_1)**

### DESCRIPTION

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Practical due to low weight
- High performance quality product made in Germany
- Mobile brake service perfectly organised
- In connection with the optional transport cart "TW", all necessary items are properly in place and within reach.
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 110 VDC
- Holder for containers up to 5 l
- Adapters available for almost all vehicle manufacturers, see "Adapter\_list\_brakes.pdf"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 7 kg

- Electrical connection: 110 VDC
- Length: 310 mm
- Width 290 mm
- Height: 400 mm
- Filling hose length: 2.5 m
- Container size max.: 5 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"

### *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request
- Transport cart FW (100513\_1); Features "Transport cart" attachment options for screwing to the service device.; max. container size up to 20 litres, fixed with safety straps.; Extraction unit with spiral hose and filter.; Collection container (1 litre) can be quickly and easily removed thanks to the quick coupling.

## **BRAKE SERVICE UNIT (12V, 20L) WITH TRANSPORT CART**



**item number :**  
**BSG 012\_FW (100509\_1)**

### *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Practical due to low weight
- High performance quality product made in Germany
- Mobile brake service perfectly organised
- With the transport cart "FW", all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 12 VDC (cigarette lighter plug)
- Holder for containers up to 20 l
- Fixed via safety straps
- Adapters available for almost all vehicle manufacturers, see "Adapter list for brake testers"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 18 kg

- Electrical connection: 12 VDC
- Length: 310 mm
- Width 290 mm
- Height: 1350 mm
- Filling hose length: 2.5 m
- Container size max.: 20 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"; Extraction unit only for "FWDL" variant (230 V)

### *SCOPE OF DELIVERY*

- 1 Brake service unit BSG
- 1 Transport cart
- 1 Adapter (universal) B 611

### *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request

### *SPARE PARTS*

ET 293.1 121189\_1 Filling hose with European coupling  
 ET 445 121475 Plastic catch container, 1 liter  
 ET 520 111860 Fuse holder with fuse  
 ET 569 111615 Start button  
 ET 570 111616\_1 Mains switch  
 ET 573 111619 Gauge, range 1 to 4 bar  
 B 611 100611\_1 Adapter with K-nipple  
 ET 619 111665 Pump 230 V  
 ET 589 111634 Pressure regulator  
 ET 624 121566 Pressure switch  
 ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber  
 ET 720 111766 Spiral hose (extraction)  
 ET 1003 111559\_1 Filter (extraction)

## **BRAKE SERVICE UNIT (230V, 20L) WITH TRANSPORT CART AND EXTRACTION UNIT**



**item number :**  
**BSG 230\_FWDL (100511\_1)**

### *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Can be used for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Practical due to low weight

- High performance quality product made in Germany
- Mobile brake service perfectly organised
- With the transport cart "FW", all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty. Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 230 VDC
- Holder for containers up to 20 l, fixed with a safety strap
- Extraction unit with spiral hose and filter
- Collection container (1 litre) can be quickly and easily removed thanks to the quick coupling
- Adapters available for almost all vehicle manufacturers, see "Adapter\_list\_brakes"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 20 kg
  - Electrical connection: 230 VDC
  - Length: 310 mm
  - Width 290 mm
  - Height: 1350 mm
  - Filling hose length: 2.5 m
  - Container size max.: 20 l
  - Collection container 1 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"

### *SCOPE OF DELIVERY*

- 1 Brake service unit BSG
- 1 Transport cart (with extraction unit)
- 1 Adapter (universal) B 611

### *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request.

### *SPARE PARTS*

- ET 293.1 121189\_1 Filling hose with European coupling
- ET 445 121475 Plastic catch container, 1 liter
- ET 520 111860 Fuse holder with fuse
- ET 569 111615 Start button
- ET 570 111616\_1 Mains switch
- ET 573 111619 Gauge, range 1 to 4 bar
- B 611 100611\_1 Adapter with K-nipple
- ET 619 111665 Pump 230 V
- ET 589 111634 Pressure regulator
- ET 624 121566 Pressure switch
- ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber
- ET 720 111766 Spiral hose (extraction)
- ET 1003 111559\_1 Filter (extraction)



# BRAKE SERVICE UNIT (110V, 20L) WITH TRANSPORT CART AND EXTRACTION UNIT



item number :  
**BSG 110\_FWDL (100512\_1)**

## *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Practical due to low weight
- High performance quality product made in Germany
- Mobile brake service perfectly organised
- With the transport cart "FW", all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty; Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 110 VDC
- Holder for containers up to 20 l.; fixed with a safety strap
- Extraction unit with spiral hose and filter
- Collection container (1 litre) can be quickly and easily removed thanks to the quick coupling
- Adapters available for almost all vehicle manufacturers, see "Adapter\_list\_brakes"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 18 kg
  - Electrical connection: 110 VDC
  - Length: 310 mm
  - Width 290 mm
  - Height: 1350 mm
  - Filling hose length: 2.5 m
  - Container size max.: 20 l
  - Collection container 1 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"

## *SCOPE OF DELIVERY*

- 1 Brake service unit BSG
- 1 Transport cart (with extraction unit)
- 1 Adapter (universal) B 611

## *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request

### *SPARE PARTS*

- ET 293.1 121189\_1 Filling hose with European coupling
- ET 445 121475 Plastic catch container, 1 liter
- ET 520 111860 Fuse holder with fuse
- ET 569 111615 Start button
- ET 570 111616\_1 Mains switch
- ET 573 111619 Gauge, range 1 to 4 bar
- B 611 100611\_1 Adapter with K-nipple
- ET 619 111665 Pump 230 V
- ET 589 111634 Pressure regulator
- ET 624 121566 Pressure switch
- ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber
- ET 720 111766 Spiral hose (extraction)
- ET 1003 111559\_1 Filter (extraction)

## **BRAKE SERVICE UNIT (230V, 20 L) WITH TRANSPORT CART**



**item number :**  
**BSG 230\_FW (100508\_1)**

### *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Practical due to low weight
- High performance quality product made in Germany
- Mobile brake service perfectly organised
- With the transport cart "FW", all necessary items are properly in place and within reach.
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 230 VDC
- Holder for containers up to 20 l, fixed with a safety strap
- Adapters available for almost all vehicle manufacturers, see "Adapterliste\_Bremse"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar;
  - Weight: 18 kg

- Electrical connection: 230 VDC
- Length: 310 mm
- Width 290 mm
- Height: 1350 mm
- Filling hose length: 2.5 m
- Container size max.: 20 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"; Extraction unit only for "FWDL" variant

### *SCOPE OF DELIVERY*

- 1 Brake service unit BSG
- 1 Transport cart
- 1 Adapter (universal) B 611

### *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request.

### *SPARE PARTS*

ET 293.1 121189\_1 Filling hose with European coupling  
 ET 445 121475 Plastic catch container, 1 liter  
 ET 520 111860 Fuse holder with fuse  
 ET 569 111615 Start button  
 ET 570 111616\_1 Mains switch  
 ET 573 111619 Gauge, range 1 to 4 bar  
 B 611 100611\_1 Adapter with K-nipple  
 ET 619 111665 Pump 230 V  
 ET 589 111634 Pressure regulator  
 ET 624 121566 Pressure switch  
 ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber  
 ET 720 111766 Spiral hose (extraction)  
 ET 1003 111559\_1 Filter (extraction)

## **BRAKE SERVICE UNIT (110V, 20L) WITH TRANSPORT CART**



**item number :**  
**BSG 110\_FW (100510\_1)**

### *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Practical due to low weight

- High performance quality product made in Germany
- Mobile brake service perfectly organised
- With the transport cart "FW", all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Not necessary to bleed the device when changing the container
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Pressureless decoupling on the vehicle
- Leak testing of the brake and clutch system
- Pulsating liquid flow, air bubbles are thus pushed out of the lines
- Power supply 110 VDC
- Holder for containers up to 20 l. fixed with a safety strap
- Adapters available for almost all vehicle manufacturers, see "Adapter\_list\_brakes.pdf"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 18 kg
  - Electrical connection: 110 VDC
  - Length: 310 mm
  - Width 290 mm
  - Height: 1350 mm
  - Filling hose length: 2.5 m
  - Container size max.: 20 l
- Note: Brake service unit available in different versions, see "BGS brake service unit version overview"; Extraction unit only for "FWDL" variant

### *SCOPE OF DELIVERY*

- 1 Brake service unit BSG
- 1 Transport cart
- 1 Adapter (universal) B 611

### *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request

### *SPARE PARTS*

ET 293.1 121189\_1 Filling hose with European coupling  
 ET 445 121475 Plastic catch container, 1 liter  
 ET 520 111860 Fuse holder with fuse  
 ET 569 111615 Start button  
 ET 570 111616\_1 Mains switch  
 ET 573 111619 Gauge, range 1 to 4 bar  
 B 611 100611\_1 Adapter with K-nipple  
 ET 619 111665 Pump 230 V  
 ET 589 111634 Pressure regulator  
 ET 624 121566 Pressure switch  
 ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber  
 ET 720 111766 Spiral hose (extraction)  
 ET 1003 111559\_1 Filter (extraction)

## BRAKE SERVICE UNIT (230V, 20L) ROLLABLE WITH EXTRACTION UNIT



item number :

**BSG 03\_230A (100500\_1)**

### *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Mobile brake service perfectly organised
- Compact service cart: all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Not necessary to bleed the device when changing the container
- Pressureless decoupling on the vehicle
- Leak test of the brake and clutch system
- max. containers up to 20 litres, fixed via adjustable safety strap
- Extraction unit with spiral hose and filter
- Collection container (1 litre) can be quickly and easily removed thanks to the quick coupling
- Adapters available for almost all vehicle manufacturers, see "Adapter\_list\_brakes"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 21 kg
  - Electrical connection: 230 VDC
  - Length: 400 mm
  - Width 300 mm
  - Height: 1000 mm
  - Length filling hose: 3 m
  - Container size max.: 20 l

### *SCOPE OF DELIVERY*

- 1 Brake service unit BSG 03
- 1 Adapter (universal) B 611

### *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request.

### *SPARE PARTS*

ET 293.1 121189\_1 Filling hose with European coupling  
ET 445 121475 Plastic catch container, 1 liter  
ET 520 111860 Fuse holder with fuse  
ET 569 111615 Start button

ET 570 111616\_1 Mains switch  
ET 573 111619 Gauge, range 1 to 4 bar  
B 611 100611\_1 Adapter with K-nipple  
ET 619 111665 Pump 230 V  
ET 589 111634 Pressure regulator  
ET 624 121566 Pressure switch  
ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber  
ET 720 111766 Spiral hose (extraction)  
ET 1003 111559\_1 Filter (extraction)

## **BRAKE SERVICE UNIT (230V, 20L) ROLLABLE**



**item number :**  
**BSG 03\_230 (100501\_1)**

### *DESCRIPTION*

- Fast and professional maintenance of brake, clutch and ABS systems
- Suitable for brake fluid of types DOT 3, DOT 4, DOT 4 Plus and DOT 5.1
- 1-man operation
- Mobile brake service perfectly organised
- Compact service cart: all necessary items are properly in place and within reach
- No transferring of the brake fluid since the original container serves as the tank
- Automatic shutdown when the reservoir is empty
- Stepless adjustment of the working pressure from 0.5 to 3.5 bar
- Not necessary to bleed the device when changing the container
- Pressureless decoupling on the vehicle
- Leak test of the brake and clutch system
- max. containers up to 20 litres, fixed via adjustable safety strap
- Extraction unit with spiral hose and filter
- Collection container (1 litre) can be quickly and easily removed thanks to the quick coupling
- Adapters available for almost all vehicle manufacturers, see "Adapterliste\_Bremse"
- All individual parts are available as spare parts
- Technical data:
  - operating pressure: 0.5–3.5 bar
  - Weight: 21 kg
  - Electrical connection: 230 VDC
  - Length: 400 mm
  - Width 300 mm
  - Height: 1000 mm
  - Length filling hose: 3 m
  - Container size max.: 20 l
- Note: Extraction unit only for version "A"

### *SCOPE OF DELIVERY*

- 1 Brake service unit BSG 03
- 1 Adapter (universal) B 611

## *EQUIPMENT*

- Range of adapters (designation B..) for almost all car manufacturers
- Special adapters on request.

## *SPARE PARTS*

ET 293.1 121189\_1 Filling hose with European coupling  
ET 445 121475 Plastic catch container, 1 liter  
ET 520 111860 Fuse holder with fuse  
ET 569 111615 Start button  
ET 570 111616\_1 Mains switch  
ET 573 111619 Gauge, range 1 to 4 bar  
B 611 100611\_1 Adapter with K-nipple  
ET 619 111665 Pump 230 V  
ET 589 111634 Pressure regulator  
ET 624 121566 Pressure switch  
ET 633 111678 Suction and return hose 750 mm with strainer and stepped rubber  
ET 720 111766 Spiral hose (extraction)  
ET 1003 111559\_1 Filter (extraction)

## **TRANSPORT CART INTEGRATED EXTRACTION UNIT FOR BSG 110\_V3**



**item number :**  
**FW 110DL (100513\_2)**

## *DESCRIPTION*

- The cart is the ideal addition to the BSG 110\_V3 portable brake service units.
- The unit is screwed to the cart using a prepared fastening option.
- An original container with a capacity of up to 20 liters can be transported on the back. The container is secured with a locking strap.
- The extraction unit includes a spiral hose including a filter.
- The catch container (1 liter capacity) can be removed quickly and easily with a rapid-action coupling.

## **TRANSPORT CART WITH INTEGRATED EXTRACTION UNIT FOR BSG 230\_V4**



**item number :**  
**FW 230DL (100513\_3)**

### *DESCRIPTION*

- The cart is the ideal addition to the BSG 230\_V4 portable brake service units.
- The unit is screwed to the cart using a prepared fastening option.
- An original container with a capacity of up to 20 liters can be transported on the back.
- The container is secured with a locking strap.
- The extraction unit includes a spiral hose including a filter.
- The catch container (1 liter capacity) can be removed quickly and easily with a rapid-action coupling.

## **TRANSPORT CART (BSG) WITHOUT EXTRACTION UNIT**



**item number :**  
**FW (100513\_1)**

### *DESCRIPTION*

- The cart is the ideal addition to the BSG 012, BSG 110 and BSG 230 portable brake service units.
- The unit is screwed to the cart using a prepared fastening option.
- An original container with a capacity of up to 20 liters can be transported on the back.
- The container is secured with a locking strap.

## **VACUUM BRAKE BLEEDER**



**item number :**  
**VB 01 (100801\_1)**

### *DESCRIPTION*

- For quick, safe and mobile extraction of liquids such as water, coolant, brake fluid, oil (engine oil, compressor oil, gear oil), diesel etc.



- Particularly useful when bleeding the brakes, extracting engine / gear oil or bleeding the fuel line when changing the filter (diesel)
- The special design, the large intake/suction volume of approx. 8 litres of liquid per vacuum, the integrated release valve, the safety valve as well as the impact-proof and unbreakable plastic enable safe use, both mobile and stationary
- A venturi nozzle with connection to the workshop compressed air supply creates a vacuum in the vacuum box. The evacuated box stores the vacuum, is separated from the workshop compressed air supply and can be used on the go
- The suction process takes place at the respective place of use by opening the inlet valve on the suction hose
- Only applicable for vacuum!
- Not permitted for highly flammable liquids!

### *SCOPE OF DELIVERY*

- 1 vacuum box
- 1 venturi tube
- 1 extraction hose with connector, 2.50 m (8.2 ft)
- 1 rubber angled adapter (UNW 01)

### *EQUIPMENT*

- VBA engine oil adapter
- VBA 04 universal adapter hose extra thin
- ET 368 ventilation supplement set (CDI) for vacuum boxes VB 01, VB 01.1

## **VACUUM BRAKE BLEEDER WITH LEVEL INDICATOR**



**item number :**  
**VB 01.1 (100801\_2)**

### *DESCRIPTION*

- For quick, safe and mobile extraction of liquids such as water, coolant, brake fluid, oil (engine oil, compressor oil, gear oil), diesel etc.
- Particularly useful when bleeding the brakes, extracting engine / gear oil or bleeding the fuel line when changing the filter (diesel).
- The special design, the large intake/suction volume of approx. 8 litres of liquid per vacuum, the fill level display, the integrated release valve, the safety valve as well as the impact-proof and unbreakable plastic enable safe use, both mobile and stationary
- A venturi nozzle with connection to the workshop compressed air supply creates a vacuum in the vacuum box. The evacuated box stores the vacuum, is separated from the workshop compressed air supply and can be used on the go
- The suction process takes place at the respective place of use by opening the inlet valve on the suction hose
- Only applicable for vacuum!
- Not permitted for highly flammable liquids!

### *SCOPE OF DELIVERY*

- 1 vacuum box with fluid level indication

- 1 venturi tube
- 1 extraction hose with connector, 2.50 m (8.2 ft)
- 1 rubber angled adapter (UNW 01)

#### **EQUIPMENT**

- VBA engine oil adapter
- VBA 04 universal adapter hose extra thin
- ET 368 ventilation supplement set (CDI) for vacuum boxes VB 01, VB 01.1

#### *SPARE PARTS*

- ET 315 (121333) venturi tube, connectable
- ET 316 (121334) extraction hose 2.50 m (8.2 ft) with connector
- ET 355 (121371) quick coupling
- ET 404 (121440) washer (between upper/lower part)
- ET 406 (121442\_1) vacuum meter DS 63, -1...0 bar, G 1/4 back connection
- ET 407 (121443) drain valve incl. washer
- UNW 01 (100208) rubber angled adapter

## **REFILLING CONTAINER FOR THE REFILLING OF BRAKE FLUID**



**item number :**  
**UNFB 03 (100212)**

#### *DESCRIPTION*

Refilling container for the refilling of brake fluid. The container can be put directly on the brake fluid container. 2nd possibility: suspending the refilling container by means of the suspension hook, stick universal adapter BAU on the brake fluid container and effect connection. The brake fluid stops running automatically as soon as the brake fluid container is full.

- scaled collecting tank with hook
- capacity 1.0 litre

#### **SCOPE OF DELIVERY**

- 1 brake fluid-resistant container 1.5 l
- 1 hose Ø 13 mm, 1.00 m (3.3 in.)
- 1 hose Ø 6 mm, 1.10 m (3.6 in.)

## **VACUUM BRAKE BLEEDER**



item number :  
UN 05 (100211)

## DESCRIPTION

Vacuum brake bleeder for connection to compressed air; for brake fluids, with hand valve. Can also be used to bleed TDI engines when the tank was empty.

- scaled collecting tank
- capacity 600 ml

## SCOPE OF DELIVERY

- 1 brake fluid-resistant container with hand valve
- 1 hose Ø 9 mm, 2.00 m (6.5 ft) long
- 1 hose Ø 6 mm, 1.00 m (3 ft) m long
- 1 rubber angled adapter (UNW 01)

## EQUIPMENT

Special connector to adapt to the brake system (connected instead of the brake nipple)

- UNA 01 (100209) thread M 6
- UNA 02 (100213) thread M 7
- UNA 03 (100214) thread M 8
- UNA 04 (100115) thread M 10x1
- UNA 05 (100216) thread M 10x1.25
- UNA 06 (100217) thread M 12x1
- UNA 07 (100218) thread M 12x1.5
- UNA 08 (100135) thread M 18x1.5
- UNA 09 (100141) thread 3/8" - 24 UNF

## SPARE PARTS

- ET 270 (121166) hand valve
- ET 256 (121153) container 600 ml
- ET 497 (121539) transparent hose-set, with UNW 01
- UNW 01 (100208) rubber angled adapter

Архангельск (8182)63-90-72  
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Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://leitenberger.nt-rt.ru/> || [bge@nt-rt.ru](mailto:bge@nt-rt.ru)