

PRODUCT CATALOG

SCAN FOR
DIGITAL
PRODUCT
CATALOG



AT A GENIUS LEVEL.

GL GMBH
METALL- UND WERKSTATTECHNIK

GL
TECHNICS

IMPRESSUM

Valid as of 09/22

We reserve the right to make technical alterations.

© 2022 GL GmbH Metall- und Werkstattechnik
D-72636 Frickenhausen

Concept, text & design:

orelunited Werbeagentur GmbH

Adaptation: GL GmbH Metall- und Werkstattechnik

CONTENT

- 4 About us

- 6 **Brake Maintenance**
- 8 Perfecta 3
- 9 Perfecta 4 Design
- 10 Perfecta 4 Design Plus
- 11 Perfecta 20 Design Plus
- 12 Perfecta 20 Plus, Perfecta 20
- 13 Perfecta 60 Design Plus
- 14 Perfecta 60
- 15 Universal adapter case Profi large, small
- 16 Collection bottle 1 liter, 2 liters, ATE

- 18 **Mineral oil filling**
- 20 Perfecta 4 HY
- 21 Perfecta 20 HY

- 22 **Fuel applications**
- 24 Tank Primus 80
- 25 Extraction probe set, Automatic nozzle,
Adapter Porsche Cayenne
- 26 DEG Diesel venting device

- 28 **Applications for AdBlue**
- 30 AdBlue[®] filling device 60 Liter Profi Line Plus
- 31 AdBlue[®] filling device 210 Liter Profi Line Plus
- 32 Extraction pumps for AdBlue[®]
- 33 Extraction fittings,
Battery for Profi Line Plus filling appliances

- 34 **Wheels & Tires**
- 36 Digital hand tire inflator (calibrated)
- 37 Tire connector valve
- 38 EasyLift
- 39 Enhancement set: boom and balancer

- 40 **Tools**
- 41 Laser welding miller

- 42 **Gearbox flushing**
- 44 AGS 20 flushing device for automatic transmissions
- 45 AGS adapter case Universal, BMW, Daimler, VAG
- 46 Advertising Banner AGS

- 48 **Suspension**
- 49 Filling and bleeding device
for eSuspension SDS 5
- 50 Suspension Evacuation Device SDE 96

- 52 **Workshop Hygiene**
- 54 Disinfectant PANEL
- 55 Disinfectant TOWER

STANDS FOR INNOVATIVE AND HIGH-QUALITY PRODUCTS FOR VEHICLE WORKSHOPS AND FOR LASER CUT-, BENDED- AND WELDED SHEET METAL PARTS MANUFACTURED WITH ULTRA-MODERN METHODS.

GL
TECHNICS

RESEARCH AND DEVELOPMENT

All existing GL TECHNICS products are continuously improved. Our own R&D department also works constantly on new developments. Along with decades of experience in the sector and Swabian inventive spirit, the requirements of consumers and changes in the vehicle sector form the basis for new ideas.

TRADITION MEETS INNOVATION

GL TECHNICS began in the early 1990s with the manufacture of sheet metal parts and the workshop business area was established in 2000 with the development of brake maintenance devices. The family company is today run by the second generation, Thomas and Holger Henzler.

PRIZE-WINNING INNOVATIONS

GL TECHNICS product successes have regularly won innovation prizes in recent years. Amongst other things, the laser welding miller was awarded the "automechanika Innovation Award" and the EasyLift wheel fitting aid has won several awards.

THE CUSTOMER AT THE CENTRE

Construction, panel manufacture and fitting all under one roof allows technology and design to be bespoke to individual customers wishes and means that delivery times can be managed flexibly. Sustainable investment in buildings and machines ensure that we remain future-proofed and can shape this future together with our customers.





HIGH QUALITY

„MADE IN GERMANY“

All GL TECHNICS products are “Made in Germany”.
This quality mark continues to enjoy the highest recognition.

The products are designed, developed, tested in prototype
and manufactured in Baden-Württemberg at the Frickenhausen
site.

Laser cutting, bending and welding, fitting and quality control
generate a high level of finishing, which guarantees high quality
standards of the products with certification according to DIN
EN ISO 9001:2015.

Renowned vehicle manufacturers acknowledge this
with approval and recommendations for their contract
workshops.



CLEAN, SAFE, FAST:
PROBLEM-FREE BRAKE-
FLUID CHANGING
WITHOUT LABORIOUS
REFILLING OF BRAKE
FLUID.

BRAKE MAINTENANCE

The PERFECTA-Series

The well-thought out, tried and tested series of GL TECHNICS devices covers all areas of application in the brake maintenance sector. From small mobile devices to the drivable 60-liter device for processing large volumes, all workshop requirements are met.

The consumer-orientated product development allows one-man operation in brake maintenance.

Other features of the PERFECTA-devices:

- Suitable for ABS, ESP, EDS and SBC
- Hydraulic pump
- Pulsing fluid flow to force air bubbles out of the brake system
- Automatic switch-off when the container is empty
- Pressure-free disconnection from the vehicle
- No need to purge the appliance of air when changing container

GL TECHNICS-INNOVATION: The PERFECTA PLUS Extraction System

The PERFECTA PLUS extraction system integrated into the device empties the compensation tank before filling with new brake fluid. This working practice has long been prescribed by leading automobile manufacturers.

The reason: even slight deposits of dirt and the smallest solid particles can cause damage to the system or to the brake cylinders at the wheels.

Another advantage of the extraction system is that it saves about 0.5 liter of brake fluid, as the old brake fluid does not need to be forced through the system. This speeds up the work and the correct filling level can be set after the filling process.



**GL TECHNICS INNOVATION:
THE PERFECTA PLUS
EXTRACTION SYSTEM**

DEVICE	CONTAINER SIZE	PRESSURE REGULATOR	MOBILITY	EXTRACTION PLUS
PERFECTA 3	5 l	None, fixed at 2 bar	Portable	No
PERFECTA 4 DESIGN	5 l	Continuous	Portable	No
PERFECTA 4 DESIGN PLUS	5 l	Continuous	Portable	Yes
PERFECTA 20 DESIGN PLUS	20 l	Continuous	Movable	Yes
PERFECTA 60 DESIGN PLUS	60 l	Continuous	Movable	Yes

ARTICLE NO. 900.003.000

PERFECTA 3

TECHNICAL DATA	PERFECTA 3
Max. container size	5 l
Working pressure	2 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.5 m
Dimensions	300 x 200 x 300 mm
Weight	6 kg
Article No.	900.003.000

DELIVERY INCLUDES:

- Device with adapter E 20 (Euroadapter).
- Set of rubber cones

The PERFECTA 3 model is ideally suited to mobile use in brake maintenance. It has all the basic characteristics of the PERFECTA series.

The working pressure is fixed at 2 bar. A rubber cone set is included.



ARTICLE NO. 903.004.000

PERFECTA 4 DESIGN

TECHNICAL DATA	PERFECTA 4 DESIGN
Max. container size	5 l
Working pressure	0.4 to 3.5 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.5 m
Dimensions	290 x 310 x 400 mm
Weight	7 kg
Article No.	903.004.000

DELIVERY INCLUDES:

- Device with adapter E 20 (Euroadapter).

The PERFECTA 4 DESIGN devices have proven themselves over years of use in the workshop. They are ideally suited to mobile use due to their low weight. They have a continuously adjustable pressure regulator and a Universal rubber cone with integrated sieve. The device is also available in 110 V-design. If this is not enough, the product variant PERFECTA 4 DESIGN PLUS offers an extended performance with similar device dimensions.



ARTICLE NO. 900.904.000

PERFECTA 4 DESIGN PLUS

TECHNICAL DATA	PERFECTA 4 DESIGN PLUS
Max. container size	5 l
Working pressure	0.4 to 3.5 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.5 m
Dimensions	250 x 390 x 410 mm
Weight	9 kg
Article No.	900.904.000

DELIVERY INCLUDES:

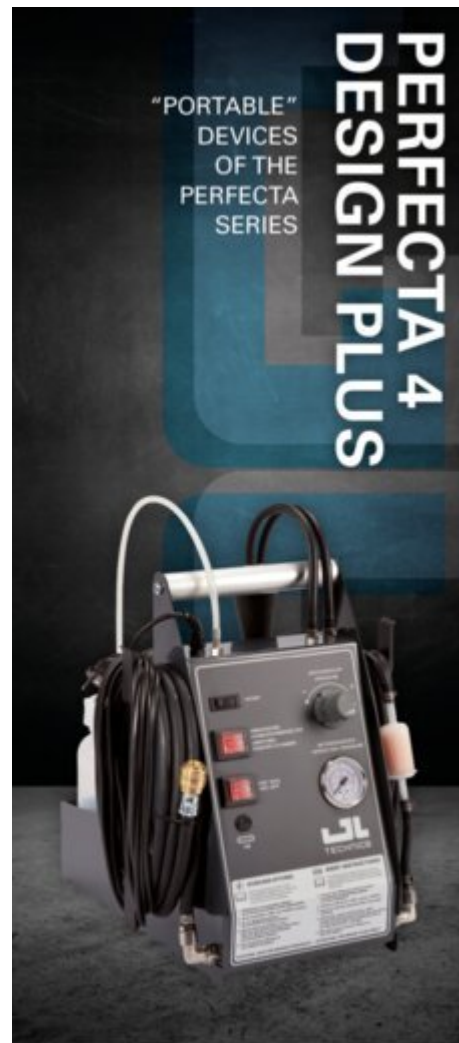
- Device with adapter E 20 (Euroadapter)
- 1-liter-collection bottle.

The PERFECTA 4 DESIGN PLUS devices have proved themselves over years of use in the workshop. They are ideally suited to mobile use due to their low weight. They have a continuously adjustable pressure regulator and a Universal rubber cone with integrated sieve.

The DESIGN PLUS version is the most advanced version of the portable brake maintenance devices from GL Technics. Together with the PERFECTA 4 and PERFECTA 4 DESIGN versions, it offers the perfect introduction to professional brake maintenance.

PERFECTA 4 DESIGN PLUS:

The first portable device with integrated extraction system! The mobile brake maintenance device PERFECTA 4 DESIGN PLUS is equipped with the PERFECTA PLUS extraction system. (These devices are also available in 110 V-design. Article-No. 902.904.000, price on request.)



ARTICLE NO. 901.920.000

PERFECTA 20 DESIGN PLUS

TECHNICAL DATA	PERFECTA 20 DESIGN PLUS
Max. container size	20 l
Working pressure	0.4 to 3.5 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.5 m
Dimensions	440 x 540 x 1,000 mm
Weight	30 kg
Article No.	901.920.000

DELIVERY INCLUDES:

- Device with adapter E 20 (Euroadapter)
- 1-liter-collection bottle.

The PERFECTA 20 DESIGN PLUS brake maintenance device takes the brake fluid directly from the 20 liter original container. There is no decanting of the fluid.

The moveable device can be operated without any difficulty by one man. It is equipped with a continuously adjustable pressure regulator and a universal rubber cone with integrated sieve. It also has the integrated PERFECTA PLUS pre-extraction.

- **Approved by Daimler AG.**
- **Recommended by BMW AG.**



ARTICLE NO. 900.920.000

PERFECTA 20 PLUS

TECHNICAL DATA	PERFECTA 20 PLUS
Max. container size	20 l
Working pressure	0.4 to 3.5 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.5 m
Dimensions	540 x 400 x 1,000 mm
Weight	22 kg
Article No.	900.920.000

DELIVERY INCLUDES:

- Device with adapter E 20 (Euroadapter)
- Instruction manual

The PERFECTA 20 PLUS brake maintenance device takes the brake fluid directly from the 20 liter original container. There is no decanting of the fluid.

The moveable device can be operated without any difficulty by one man. It is equipped with a continuously adjustable pressure regulator and a universal rubber cone with integrated sieve. It also has the integrated PERFECTA PLUS pre-extraction.

- **Approved by Daimler AG.**
- **Recommended by BMW AG.**

PERFECTA 20

With its compact dimensions, the brake maintenance device PERFECTA 20 is suited for workshops of every variety. The PERFECTA 20 takes the brake fluid directly from the 20 liter original container. If the container is empty, the device enables fast and pressureless switching.

The moveable device can be operated without any difficulty by one man. It is equipped with a continuously adjustable pressure regulator and a universal rubber cone with integrated sieve.

DELIVERY INCLUDES:

- Device with Adapter E 20 (Euroadapter)



TECHNICAL DATA	PERFECTA 20
Max. container size	20 l
Working pressure	0.4 to 3.5 bar
Mains voltage	110 V / 60 hz
Filling hose length	3.5 m
Dimensions	400 x 400 x 1,000 mm
Weight	16 kg
Article No.	900.020.000

- **Approved by Daimler AG.**
- **Recommended by BMW AG.**

ARTICLE NO. 901.960.000

PERFECTA 60 DESIGN PLUS

TECHNICAL DATA	PERFECTA 60 DESIGN PLUS
Max. container size	60 l
Working pressure	0.4 to 3.5 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.5 m
Dimensions	491 x 610 x 1,060 mm
Weight	45 kg
Article No.	901.960.000

DELIVERY INCLUDES:

- Device with standard extractor pipe
- Adapter E 20 (Euroadapter)
- Two 2-liter collection bottles.

60-liter barrel not included.

ACCESSORIES:

Extraction tube for 60-liter Daimler plastic container
Article-No. 801.002.000

The PERFECTA 60 DESIGN PLUS is designed for especially big volumes: the brake fluid is taken directly from the 60-liter original container. The device can therefore also be used with commercial vehicles.

The continuously adjustable pressure regulator and an extraction tube with a sieve are also part of the equipment, together with the integrated PERFECTA PLUS pre-extraction. The device can also be supplied in 110 V-design (907.960.000). Price on enquiry.

- **Approved by Daimler AG.**
- **Recommended by BMW AG.**



ARTICLE NO. 900.060.000

PERFECTA 60

TECHNICAL DATA	PERFECTA 60
Max. container size	60 l
Working pressure	0.4 to 3.5 bar
Mains voltage	110 V / 60 hz
Filling hose length	3.5 m
Dimensions	560 x 510 x 1,000 mm
Weight	22 kg
Article No.	900.060.000

DELIVERY INCLUDES:

- Device with Adapter E 20 (Euroadapter)

The PERFECTA 60 PLUS is designed for especially big volumes: the brake fluid is taken directly from the 60-liter original container. The device enables pressureless container changes. It automatically switches off as the brake fluid reserve becomes depleted.

The high quality and the well thought-out operation involving few steps distinguish the PERFECTA 60.

- **Approved by Daimler AG.**
- **Recommended by BMW AG.**





ARTICLE NO. 800.011.000

UNIVERSAL ADAPTER CASE PROFI LARGE

This high-quality adapter set consists of six adapters. It is compatible with almost all European and Asian vehicles and therefore indispensable for larger and brand-open independent workshops. The adapters are made of anodised aluminium.

DELIVERY INCLUDES:

- Universal adapter U 90 K
- Adapter HST 007
- Adapter E 20 W
- Adapter BS 37
- Adapter 3 O 42
- Adapter BS 36 W



ARTICLE NO. 800.010.000

UNIVERSAL ADAPTER CASE PROFI SMALL

This adapter set consists of the four most common adapters. It is compatible with many European and Asian vehicle manufacturers and therefore almost indispensable for the independent workshop.

DELIVERY INCLUDES:

- Universal adapter U 90 K
- Adapter HST 007
- Adapter E 20 W
- Adapter BS 37



ARTICLE NO. 800.810.000

1-LITER COLLECTION
BOTTLE
ROUND NECK
WITH HANDLE AND
TUBE



ARTICLE NO. 950.029.000

2-LITER COLLECTION
BOTTLE PROFI
COMPATIBLE WITH
ATE SYSTEM

ARTICLE NO. 800.820.000

2-LITER COLLECTION
BOTTLE
ROUND NECK
WITH HANDLE AND
TUBE

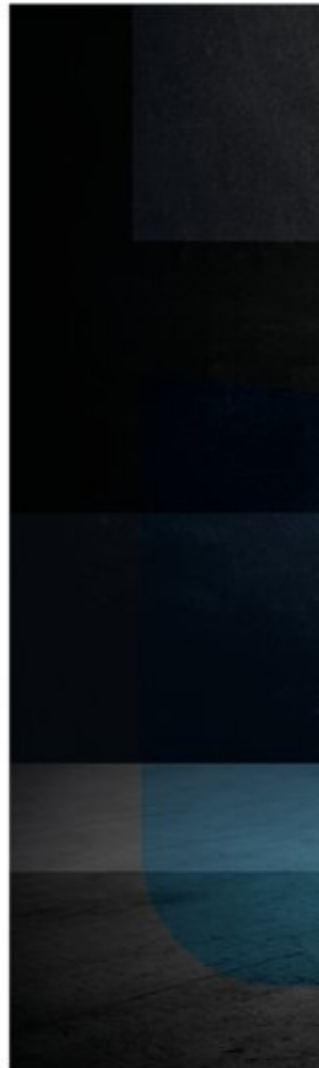


WORKSHOP EQUIPMENT AND CONTRACT MANUFACTURING

As a leading manufacturer of workshop equipment and reliable service provider in metal contract manufacturing, we offer you a comprehensive product and service portfolio. With our own development and production at our company site in Frickenhausen near Stuttgart, we guarantee excellent quality in material, processing and function of our tools, workshop products and contract services.

MINERAL OIL FILLING

PROFESSIONAL SOLUTIONS
FOR FAST AND SAFE
HYDRAULIC OIL CHANGES IN
SHIFT AND CLUTCH SYSTEMS.



The PERFECTA-HY series

Powerful and flexible: the high conveyance capacity guarantees correct hydraulic oil changes in shift and clutch systems in HGVs.

Regular changes of hydraulic fluid are necessary in servicing shift and clutch systems. In the PERFECTA-HY series, GL TECHNICS has developed appliances which prevent air remaining in the system due to their high rate of transfer. With the moveable, portable or mobile construction, there is a suitable device available for all uses.

Other features of the PERFECTA-HY devices:

- Throughflow > 45 l/h
- Automatic switch-off if the container is empty
- Pressure-free disconnection from the vehicle
- No need to purge the device off air when changing container
- Easy handling, even in one-man operation



DEVICE	USE CASE	PUMP	VEHICLES	MOBILITY
PERFECTA 4 HY	Hydraulic clutches	Electric	MAN-TGA / TGL Agricultural and construction machines	Portable
PERFECTA 20 HY	Hydraulic shifts and clutches	Electric	ACTROS with HPS 2, ATEGO, AXOR, MAN-TGA / TGL Agricultural and construction machines	Movable
PERFECTA 20 HY MOBIL	Hydraulic shifts and clutches	Electric	ACTROS with HPS 2, ATEGO, AXOR, MAN-TGA / TGL Agricultural and construction machines	In box for use in mobile service

ARTICLE NO. 900.504.000

PERFECTA 4 HY

TECHNICAL DATA	PERFECTA 4 HY
Max. container size	10 l
Working pressure	0.5 to 3.5 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.9 m
Dimensions	264 x 345 x 406 mm
Weight	9 kg
Article No.	900.504.000

DELIVERY INCLUDES:

- Set of rubber cones
- Adapter E20 HY

Changing hydraulic oil is straightforward and safe with the PERFECTA 4 HY. The mineral oil is taken directly from the 10-liter original container, thus making decanting unnecessary.

In addition, it is equipped with a continuously adjustable pressure regulator and a hydraulic pump.

Because of its low weight of only 9 kg, the compact device can be easily transported and can be used when mobile.

THE DEVICE IS NOT SUITABLE FOR MERCEDES VEHICLES!

See PERFECTA 20 HY
or PERFECTA 20 HY MOBIL
on the following pages.



ARTICLE NO. 900.520.000

PERFECTA 20 HY

TECHNICAL DATA	PERFECTA 20 HY
Max. container size	20 l
Working pressure	0.5 to 3.8 bar
Mains voltage	230 V / 50 hz
Filling hose length	3.9 m
Dimensions	400 x 500 x 960 mm
Weight	26 kg
Article No.	900.520.000

DELIVERY INCLUDES:

- Adapter E20 HY

The moveable device in the PERFECTA-HY series is designed for use in hydraulic shifts and clutches.

Decanting is unnecessary, as the hydraulic oil can be taken directly from all common containers for hydraulic oil including the 20-liter-Daimler original container (A 001989 2403 12).

The PERFECTA 20 HY is suitable for ACTROS with HPS 2, ACTROS 963 and 964, ATEGO, AXOR and MAN-TGA /TGL.

It has an electric pump and a continuously adjustable pressure regulator. If the container is completely emptied, the device switches off completely automatically. Purging of air is not required after changing the container.

Due to its user-friendly construction, the PERFECTA 20 HY can be used conveniently in one-man operation.



INNOVATIVE
SOLUTIONS
FOR HANDLING
FUELS

FUEL APPLICATIONS

The products in the **TANK-PRIMUS Series** guarantee fast and safe emptying and filling of the fuel tank.

After changing the diesel filter, it is necessary to purge the fuel supply line. This procedure is taken over by the **DEG Diesel Venting Device** quickly and safely in HDEP/MDEG diesel motors.

The TANK-PRIMUS series

The devices in this series empty and fill diesel, Otto and ethanol fuel- tanks quickly and without risk of explosion. The pneumatic drive of the pump and control ensures high transport capacity. Emissions are exchanged exclusively between the vehicle tank and the device tank by a gas pendulum system and are not released into the environment. The integrated filter regulator provides clean air and the correct operating pressure of the pump.

Other features:

- Conductive extraction hose DN 8 x 2.5 mm.
- Suitable for diesel, Otto and ethanol fuels.
- GS-tested


PICTURE SHOWS
TANK PRIMUS 100 S

DEVICE	FILL-LEVEL DISPLAY	MOBILITY	EXTRACT / REFILL SHIFTS	TANK EXCHANGE
TANK PRIMUS 20 Mobil	No	In box for use in mobile service	Change hoses	No Tank
TANK PRIMUS 80	Optical	Movable	Change hoses	Fixed Tank
TANK PRIMUS 100	Optical	Movable	One-lever operation / ball valve	Manual
TANK PRIMUS 100 S	Optical	Movable	One-lever operation / ball valve	Mechanical lift and sink device for change tank

ARTICLE NO. 400.080.000

TANK PRIMUS 80

TECHNICAL DATA	TANK PRIMUS 80
Max. air consumption	200 nl/min
Tank content	88 l
Transfer capacity	10 l/min
Dimensions	450 x 550 x 1,100 mm
Weight	35 kg
Article No.	400.080.000

DELIVERY INCLUDES:

- Pump unit with 88 liter tank
- Hose package for extraction or refilling.
- **Approved by Daimler AG.**
- **GS tested.**

The moveable TANK PRIMUS 80 is equipped with a fixed built-in 88 liter tank. Switching from extraction to refilling is done simply by changing the hose connectors. A protected visual fill level display shows the fuel level in the device's tank.

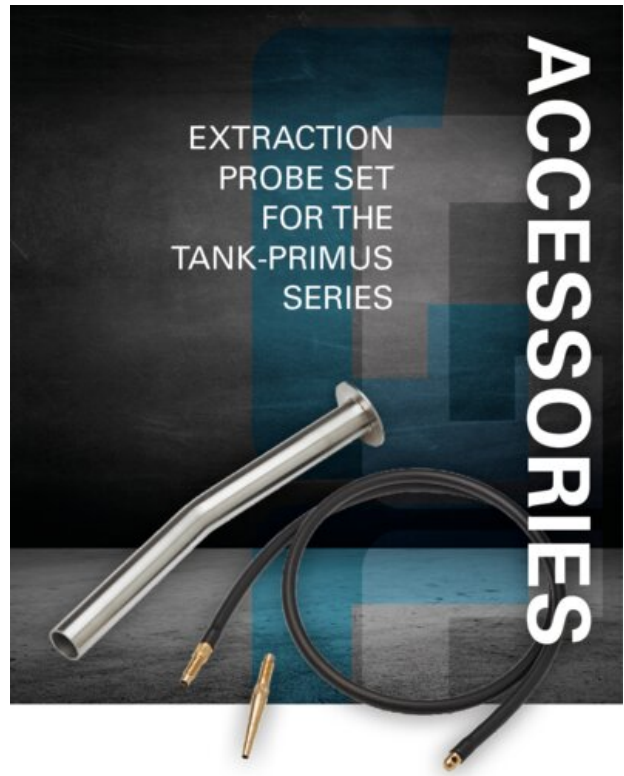
The TANK PRIMUS 80 has various safety measures. An earth terminal and conducting rollers provide equalization of potential. The steering rollers are fitted with a brake to prevent the appliance from moving.



ARTICLE NO. 400.121.000

EXTRACTION PROBE SET

This set allows extraction from vehicles with tanks that are difficult to access via the tank supports and the fuel line. The set also includes a VA-tube for unlocking the mis-fuel protection.



ARTICLE NO. 400.109.000

AUTOMATIC NOZZLE

If there is more fuel in the device tank than the vehicle tank can receive, this prevents over-filling when refueling the vehicle.

NOZZLE	ARTICLE NO.
for TP 80	400.111.000
for TP 100	400.109.000

ARTICLE NO. 400.110.000

ADAPTER FOR PORSCHE CAYENNE

ARTICLE NO. 400.201.000

DEG DIESEL VENTING DEVICE

TECHNICAL DATA	DEG
Working pressure	6.5 bar
Power supply	24 V
Length of extraction hose	2 m
Length of filling hose	3 m
Electrical connection cable with battery terminals and fuse	3 m
Dimensions	260 x 320 x 380 mm
Weight	13.8 kg
Article No.	400.201.000

OMNIBUS ACCESSOIRES:

- “Long” electrical connection cable with battery terminals and fuse 15 m.
Article-No. 400.201.100
- BG Adapter
Article-No. 400.201.013
- **Approved by Daimler AG.**



When exchanging the diesel filter or the fuel high pressure pump, air remains in the lines after the fuel is drained. Before the engine can be re-started, the diesel lines must therefore be purged.

Electric DEG Diesel venting device quickly and safely purges HDEP/MDEG diesel engines, transporting diesel fuel via a powerful pump into the lines so that air bubbles trapped in the system are completely cleared from the fuel circuit.

The compression technology is matched to diesel EN 590 and B7. The extraction hose is fitted with an exchangeable filter. The device is equipped with a storage box for hoses and tools. It is light and easy to handle and so is especially suitable for mobile use.



OUR PLATFORMS

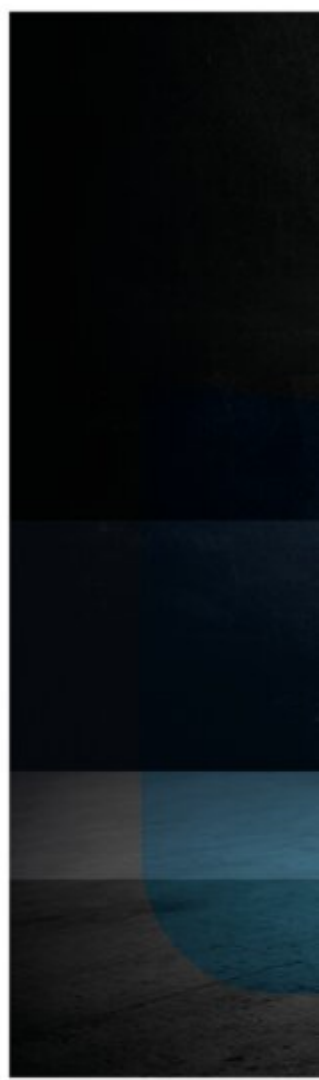
QR code and YouTube icon

QR code and Facebook icon

QR code and Instagram icon

QR code and LinkedIn icon

QR code and arrow icon



The EURO-6-Norm means that nearly all diesel cars have an additional tank with AdBlue® which must be topped up regularly. It is very important when filling with the AdBlue® liquid that the filling process is carried out absolutely drip free, as this is a liquid that crystallizes quickly in air, developing foul smells.

It must also be ensured that the tank is full but not overfull. Filling beyond the limit can lead to the tanks bursting at temperatures below minus 11° C. A fault notification is also stored in the vehicle's log. Clearing this can be expensive as it requires extraction of the AdBlue®-liquid.



**GL TECHNICS-PATENT:
THE FIXED SCREWED-IN
FILLING CONNECTOR**

The firmly screwed-in filling connector with integrated sensor ensures safe adaption and automatic switch-off of the Profi-Line-Plus appliances even on hard-to-access connections. The filling connection is also equipped with a ratchet disc to prevent over-tightening. The quantity of fluid transferred can reliably read off in appliances with counters.

A sealed hose system without a nozzle allows drip-free disconnection from the vehicle. This avoids unpleasant odors and AdBlue® can be added cleanly and safely.

ARTICLE NO. 803.161.000

60 LITER PROFI LINE PLUS FILLING DEVICE FOR ADBLUE®

TECHNICAL DATA	60 LITER PROFI LINE PLUS
Container size	60 l
Transfer capacity	3.8 or 7.6 l/min
Mains voltage	230 V
Dimensions	490 x 610 x 1,060 mm
Weight	ca. 45 kg
Article No.	803.161.000

OTHER FEATURES:

- USB interface
- Sensor-controlled automatic filling system
- Manual flow rate selectable in two stages 3.8 or 7.6 litres/min
- Patented, firmly screwed filling connection
- Closed hose system without nozzle
- Absolutely drip-free uncoupling from the vehicle
- Grating disk as over twist protection of the refueling nozzle
- Automatic limit switch-off at correct filling level
- Digital counter
- Overfilling impossible

DELIVERY INCLUDES:

- Moveable filling device for 60-liter containers
- Restraint belt and extraction tube for 60-liter containers
- Operating instructions

• Recommended by BMW AG.

The filling device for AdBlue® 60 LITER PROFI LINE PLUS sets new standards for professional AdBlue® filling in workshop technology. The top models of the PROFI LINE PLUS series are equipped with the proven GL TECHNICS filling connection, with which the instruments can be permanently connected to the vehicle tank.



Thanks to sophisticated sensor technology, the instrument can be operated in automatic mode. This enables the tank to be filled in a minimum of time. As soon as the filling process is completed, the downstream suction system guarantees a maximum permissible tank level. Thus, the PROFI LINE PLUS units achieve a fast and above all drip-free filling of the vehicle tank.

Furthermore, the advanced microprocessor control system makes it possible to select pre-set filling quantities. The internal memory is used for digital order documentation and can be read out via USB interface.

ARTICLE NO. 803.190.000

210 LITER PROFI LINE PLUS FILLING DEVICE FOR ADBLUE®

TECHNICAL DATA	210 LITER PROFI LINE PLUS
Container size	210 l
Transfer capacity	3.8 or 7.6 l/min
Mains voltage	230 V
Dimensions	980 x 780 x 1,130 mm
Weight	ca. 72 kg
Article No.	803.190.000

OTHER FEATURES:

- USB interface
- Sensor-controlled automatic filling system
- Manual flow rate selectable in two stages 3.8 or 7.6 litres/min
- Patented, firmly screwed filling connection
- Closed hose system without nozzle
- Absolutely drip-free uncoupling from the vehicle
- Ratchet disk as over twist protection of the refueling nozzle
- Automatic limit switch-off at correct filling level
- Digital counter
- Overfilling impossible

DELIVERY INCLUDES:

- Moveable filling device for 210-liter containers
- Restraint belt and extraction tube for 210-liter containers
- Operating instructions

The filling device for AdBlue® 210 LITER PROFI LINE PLUS is the optimal partner for high AdBlue® throughput. The top models of the PROFI LINE PLUS series are equipped with the proven GL TECHNICS filling connection, with which the filling hose of the units can be firmly connected to the vehicle tank. Thanks to sophisticated sensor technology, the unit can be operated in automatic mode. This enables the tank to be filled in a minimum of time. As soon as the filling process is completed, the downstream suction system guarantees a maximum permissible tank level. Thus the PROFI LINE PLUS units achieve a fast and above all drip-free filling of the vehicle tank.

Furthermore, the advanced microprocessor control system makes it possible to select pre-set filling quantities. The internal memory is used for digital order documentation and can be read out via USB interface.

By means of the optionally available roller conveyor, the 210 liter container can be easily connected to the unit and exchanged.



- Approved by Daimler AG.
- Recommended by BMW AG.

ACCESSORIES (OPTIONALLY AVAILABLE):

- Roller conveyor for simple placement of 210-liter AdBlue®-containers.
Article-No. 803.200.021
- Extraction fittings for filling the appliance from IBC containers.
Article-No. 803.310.000
- Battery.
Article-No. 803.060.020

ARTICLE NO. 400.301.000

EXTRACTION PUMP
FOR ADBLUE® 230 V

TECHNICAL DATA	EXTRACTION PUMP
Transfer capacity	approx. 1.3 l/min
Mains voltage	230 V
Length of extraction hose	2,100 mm
Length of pressure hose	1,200 mm
Article No. 230 V design	400.301.000

DELIVERY INCLUDES:

Complete pump unit with pressure and extraction hoses in plastic case.

- **Approved by Daimler AG.**
- **Recommended by BMW AG.**

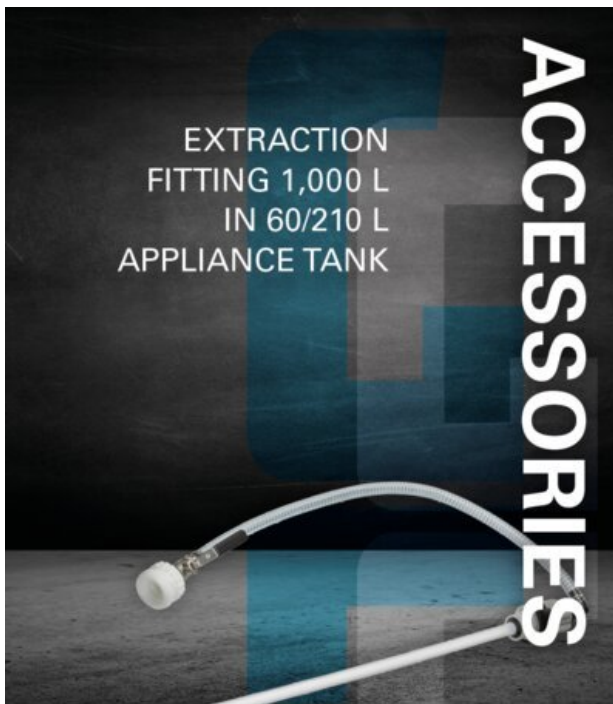
Surplus liquid can be removed from the car's AdBlue® supply tank using the extraction pump. This is necessary for many repairs to the vehicle's AdBlue® system. All components of the pump are 100% resistant to AdBlue®.

The strong housing is made of stainless steel. The pressure and extraction hoses are manufactured from silicon and fitted with a stainless-steel cone tip at the end.

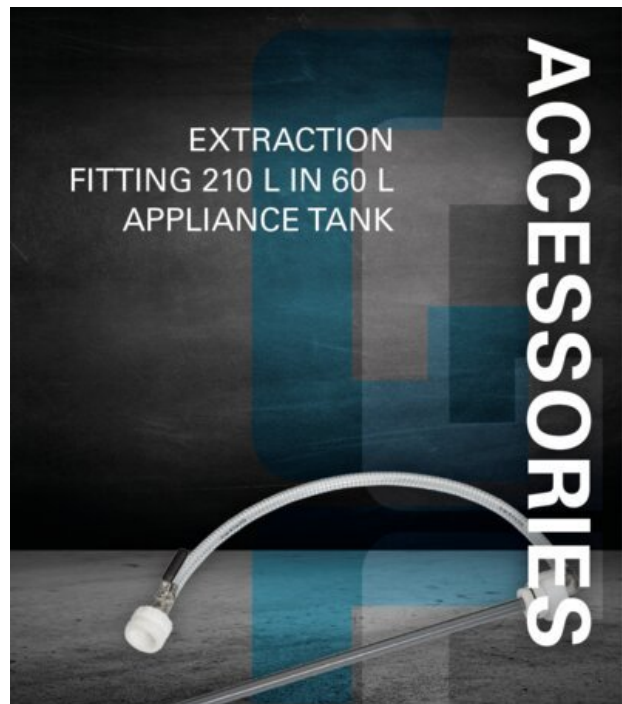
ALTERNATIVE VARIANT:

ARTICLE NO. 400.300.000

EXTRACTION PUMP
FOR ADBLUE® 110 V



EXTRACTION
FITTING 1,000 L
IN 60/210 L
APPLIANCE TANK



EXTRACTION
FITTING 210 L IN 60 L
APPLIANCE TANK

ARTICLE NO. 803.310.000

EXTRACTION FITTING
1,000 L IN 60/210 L
APPLIANCE TANK

As accessory, the extraction fitting enables decanting from IBC into the supply tank of the 60- or 210-liter appliance.

ARTICLE NO. 803.320.000

EXTRACTION FITTING
210 L IN 60 L
APPLIANCE TANK

As accessory to the 60-liter appliance, enables decanting from 210 liter to 60-liter containers.

ARTICLE NO. 803.060.020

BATTERY FOR PROFI
LINE PLUS
FILLING APPLIANCES

So that the 60 liter and 210-liter PROF-LINE-PLUS devices can also be used without access to a power point, it is possible to add a battery. All PROFI LINE PLUS devices have receptors for the battery housing for this purpose.



ESTABLISHED PRODUCTS,
PROVEN IN PRACTICE,
MAKE INFLATING TIRES
AND WHEEL CHANGES
VERY STRAIGHTFORWARD.

WHEELS & TIRES

PERFECT COMBINATION:

THE EASYLIFT AND THE

DIGITAL HAND INFLATOR



EASYLIFT

Change wheels without exertion with the EasyLift: fitting heavy wheels without lifting aids will damage every back sooner or later. The compressed air driven EasyLift is the fastest lifting device on the market and doesn't lose any time in fitting thanks to the patented pneumatic cushioning.

You can't change a wheel without compressed air to measure the air pressure in the tire and setting the right tire pressure! A compressed air connector at the EasyLift with two distributors avoids stumbling blocks with several connected devices, e.g., a tire inflator and an impact wrench.

That makes the EasyLift and the digital hand inflator a perfect combination.

DIGITAL HAND TIRE INFLATOR

The digital hand tire inflator inflates or deflates vehicle tires quickly and accurately, is very robust and available in Germany as a gauged version. The portable device shows the correct tire pressure reliably and quickly, there are no reading errors or mechanical faults which could result in danger to the car driver, if too little or too much air is in the tire.

ARTICLE NO. 201.001.000

DIGITAL HAND TIRE INFLATOR, CALIBRATED

TECHNICAL DATA	DIGITAL HAND TIRE INFLATOR
Measurement range	0 to 12 bar
Smallest display unit	0.05 bar, rounded
Maximum operational pressure	15 bar
Temperature range	-10 ° C to 40 ° C
IP protection class	54
Power supply	2 x 1,5 V Micro batteries AAA
Article no. calibrated design as per MID	201.001.000

OTHER FEATURES:

The digital hand tire inflator is operated with commercially available batteries. No tools are needed for changing them.

ACCESSOIRES:

- Tire connector valve. Article-No. 201.110.011
- **Approved by Daimler AG.**
- **Recommended by BMW AG.**

The compact digital hand tire inflator measures the tire pressure and inflates and deflates tires very quickly and accurately. It offers the following advantages in comparison with other similar commercial appliances:

Analog pressure manometers are very sensitive to impacts.

With the von GL TECHNICS digital hand tire inflator, the electronic pressure sensor in the interior is well protected by a fuller rubber surround above the housing. This makes the appliance durable and robust.

Tire pressure can be quickly read on the digital display.

The digital display is very clear. The tire pressure can be read very quickly with a reaction time of only 0.25 seconds.

Digital-precise measurement of the actual tire pressure

Measurement of the pressure is accurate to within 0.05 bar. Checking the digital display segment ensures in a fraction of a second before use of the tire that the tire pressure is measured reliably and correctly. The displayed value always corresponds to the actual tire pressure present. In this way, the GL TECHNICS digital hand tire inflator circumvents possible differences with analogue appliances which can lead to false measurement results, for example due to deformations of the bourdon tube.

The appliance is calibrated

(State Construction approval / mark 18.08 / 08.08).

**FURTHER VARIANTS:**

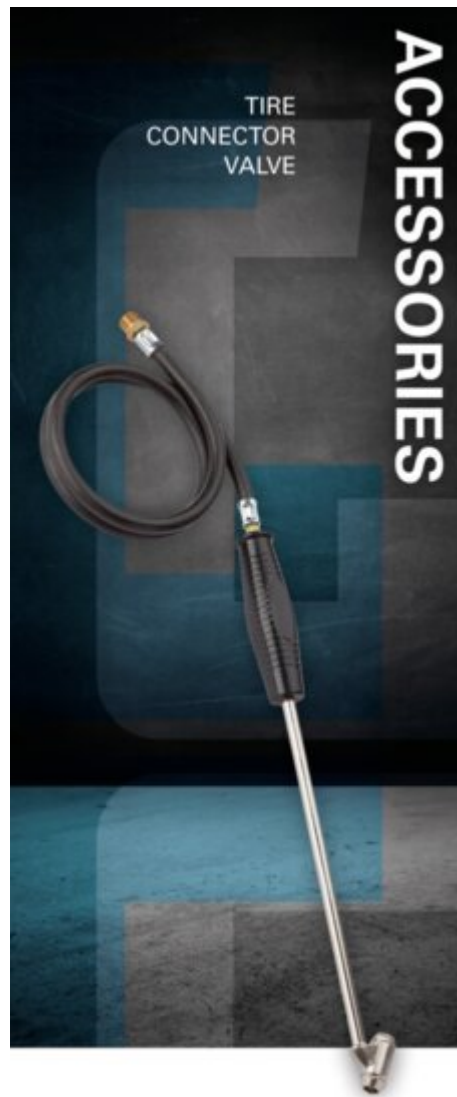
VERSION	ARTICLE NO.
with tire connector valve	201.005.000
PSI design	201.003.000
with calibration certificate	201.004.000

ARTICLE NO. 201.110.011

TIRE CONNECTOR VALVE

Accessorie for the digital hand tire inflator

Available as accessorie for the digital hand tire inflator, the tire connector valve increases the length of the hose of the hand tire inflator. It is therefore best suited for use in the filling station.



ARTICLE NO. 200.100.000

EASYLIFT

TECHNICAL DATA	EASYLIFT
Carrying capacity	60 kg
Operating pressure	max. 8 bar
Tire size	min. 135 / 80 R 13 max. 325 / 35 ZR 22
Working height	approx. 1,400 mm
Depth/width/height without crossbeam and balancer	570 x 780 x 1,470 mm
Height with crossbeam and balancer	2,200 mm
Weight	48.8 kg
Article No. EasyLift	200.100.000

OTHER FEATURES:

- No electricity or battery required
 - Absolutely maintenance free
 - One-man operation
 - Boom and balancer optionally available
 - Variable compressed air connection, laterally or on the top
 - Two distributors for connecting e.g. a tire inflator or an impact wrench
- **Approved by Daimler AG.**
 - **Recommended by BMW AG.**

The EasyLift makes wheel-changing much easier. Wheels of up to 60 kg can be changed quickly and with minimum effort.

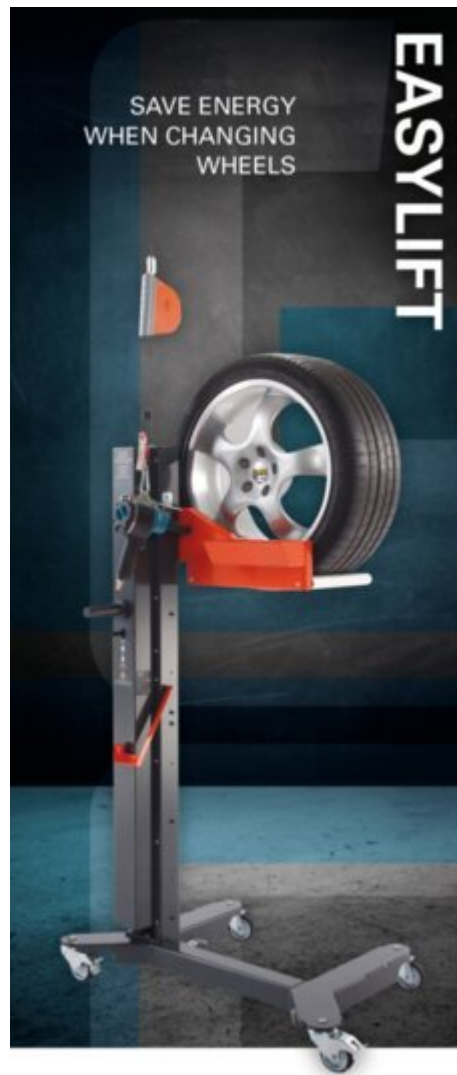
Fastest Device on the Market

Its high lifting and lowering speed makes the EasyLift the fastest device on the market. The wheel remains moveable on a mounting fixture with rollers on ball bearings.

The lifting device works with compressed air, an innovative patented mechanism for fine adjustment at working height enables precise fitting of the wheel.

Practical Details

The Easy-Lift is always mobile due to the trolley. A well-designed storage system for bolts and hooks for the hand tire inflator etc. and a hanger for the torque wrench ensure a tidy work area.

**Safety at work**

According to the occupational accident insurance, the „change of wheels“ is work with an increased risk level. High workloads and physical oversteering are probable results for the fitter.

For this reason, the EasyLift is an effective design measure in order to comply with the occupational accident insurance specifications or the ordinances of 90/269 EEC.

The EasyLift has a variable compressed air connection on the side of the pillar or on the top of the pillar and two distributors for connecting e.g. a tire inflator or impact wrench.



For simple working with the impact wrench

Optional enhancement set for the Easylift

ARTICLE NO. 200.110.000

**ENHANCEMENT SET:
BOOM & BALANCER**

A boom with a balancer enables non-fatiguing work with the impact wrench on the wheel.

The bracket ensures that the device does not get in the way when it is not being used.



TOOLS FOR
MANUFACTURING-
SPECIFIC APPLICATIONS



TOOLS

Production changes in car manufacturing require corresponding tools for car workshops. GL TECHNICS always has current know-how of the sector and is able, to develop and manufacture individual solutions.

ARTICLE NO. 631.900.000

LASER WELDING MILLER

TECHNICAL DATA	LWM
Drive	Compressed air-milling spindle
Air pressure	6 bar
Unloaded speed	35,000 U/min
Turn direction	clockwise
Noise level	72 db (A)
Air consumption	450 nl/min
Power	280 W
Weight	2.6 kg
Article No.	631.900.000

DELIVERY INCLUDES:

- Compressed air driven spindle -clockwise operation with compressed air hose (1.5 m)
 - 2 hard metal ball cutters (Shaft 6 mm)
 - 1 oval shaped base plate
 - 1 exchangeable makrolon shavings protection plate
 - 2 socket wrenches for changing the ball cutter
 - In plastic case
- **Approved by Volkswagen AG.**



The laser welding miller opens laser welded seams in bodywork quickly and without risk of injury to the user.

The tool works with compressed air drive. The special feature of the patented system is the precise guidance of the ball cutter. The exchangeable oval shaped base plate allows the milling machine to be guided along edges or into hard to access corners with little effort. Even set back laser welded seams can be reached easily with it.

A fine thread allows the depth to which the milling tool removes material to be set to within a tenth of a millimeter. This precise milling avoids material weakening and damage to paint, disadvantages of using angle grinders.

GL TECHNICS HAS THE
"WASHING MACHINE"
FOR AUTOMATIC-GEARS.

GEARBOX FLUSHING



Cleaning without Additives

Sealings and gear components are attacked chemically by additives. If they are used in gear flushing, they can loosen fine particles and cause serious damage in highly complex gear systems.

Vehicle and gear manufacturers are thus very skeptical about the use of additives: their guarantees are voided if additives are used for cleaning. The damages arising to the gears must be borne by the servicing operation or by the customer.

The flushing devices clean the gears gently, without using additives.

Cleaning with Heat and Flow Speed

The old oil is removed gently and almost without residue just by the use of heat and a high flow speed from the gear pipes and deposits are rinsed from the high-performance filter.



**OIL CHANGE +
GEARBOX FLUSHING =
OIL CHANGE PLUS**

With a conventional oil change up to 60% of the old gear oil remains in the vehicle. Gear flushing ensures that the old oil is removed from the transformers and pipes almost without residue.

More than an Oil Change

After a certain period of running, changing the gear oil is to be recommended. Just draining and refilling is not, however enough as that only removes some of the old gear oil: up to 60% remain in the transformer and in various lines.

With the GL TECHNICS gear flushing devices the half job becomes a whole step: the oil change is complemented by flushing the gears.

ARTICLE NO. 400.400.000

AGS 20 FLUSHING DEVICE FOR AUTOMATIC TRANSMISSIONS

TECHNICAL DATA	AGS 20
Compressed air connection	8 bar
Old oil container volume	20 l
New oil container volume	20 l
Transfer capacity of the membrane pump	60 l/min
Length of bypass hose	1,500 mm
Length of connection hoses	2,500 mm
Air sound emission noise level	<70 db (A)
Temperature resistance	120 ° C
Length x Depth x Height	approx. 700 x 600 x 1,200 mm
Weight (empty)	approx. 90 kg
Article No.	400.400.000

OTHER FEATURES:

- Powerful pump
- Compressed-air driven
- Well-designed storage system
- No vulnerable electronics
- Made of steel sheet with no plastic parts
- 1 high-performance filter new oil (20 µm)
- 1 high-performance filter old oil (20 µm)
- **Approved by Daimler AG.**

The High-End-Version of flushing devices, the AGS 20, can change automatic gear oil without problems and clean the gears in the same work process.

It has two steel containers for old and new oil each with a volume of 20 liters. Two high-performance filters (20 µm) clean the old and new oil during the flushing process. The old oil can be emptied easily and disposed of in the collecting system.

The residual oil can be removed from the oil sump without any additional devices.

Four high quality wheels with stopping function make the stable appliance the mobile support in the workshop.



ARTICLE NO. 400.490.000

AGS UNIVERSAL ADAPTER CASE

This universal adapter set compatible with flushing devices of the AGS series is indispensable for independent workshops. The adapters are made in Germany with high quality materials.

This adapter set makes the AGS devices compatible with 90% of the vehicles of German manufacturers and many those of European manufacturers.

DELIVERY INCLUDES:

Adapter Flushing Device 433
 Adapter Flushing Device 444
 Adapter Flushing Device 452
 Adapter Flushing Device 440
 Adapter Flushing Device 436
 Adapter Flushing Device 441
 Adapter Flushing Device 438
 Adapter Flushing Device 442
 Adapter Flushing Device 435
 Adapter Flushing Device 437

ADAPTER CASE BMW

DELIVERY INCLUDES:

Adapter Flushing Device 435
 Adapter Flushing Device 437
 Adapter Flushing Device 441
 Adapter Flushing Device 442
 Adapter Flushing Device 443
 Adapter Flushing Device 457

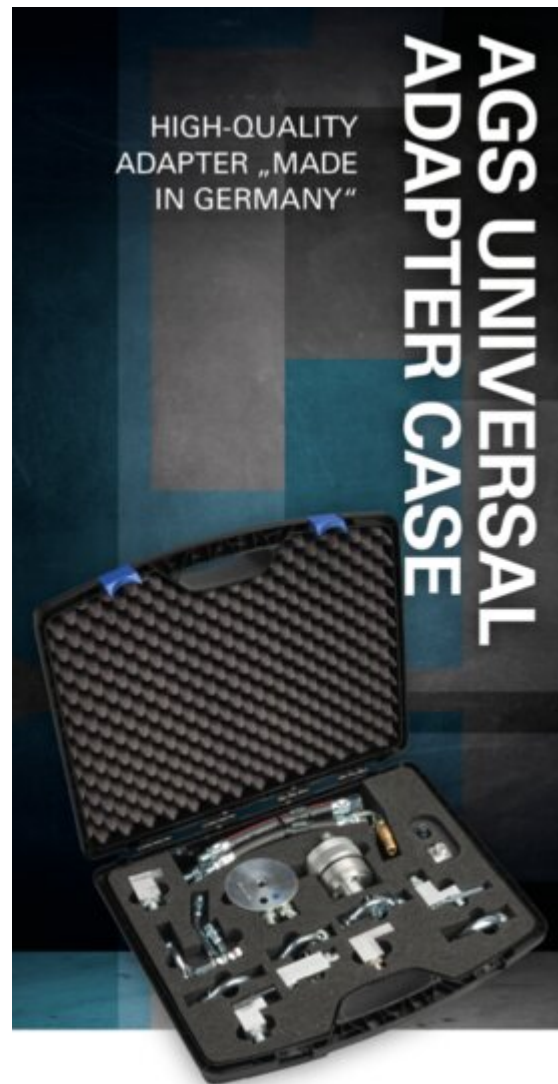
Article No. 400.491.000

ADAPTER CASE DAIMLER

DELIVERY INCLUDES:

Adapter Flushing Device 433
 Adapter Flushing Device 452
 Adapter Flushing Device 453

Article No. 400.492.000



ADAPTER CASE VAG

DELIVERY INCLUDES:

Adapter Flushing Device 436	Adapter Flushing Device 451
Adapter Flushing Device 438	Adapter Flushing Device 454
Adapter Flushing Device 439	Adapter Flushing Device 458
Adapter Flushing Device 440	Adapter Flushing Device 460
Adapter Flushing Device 444	

Article No. 400.493.000

ARTICLE NO. 090.001.741

ADVERTISING BANNER AGS

Thanks to the advertising banner, customers are practically approached about the topic of transmission flushing as they drive by, and it is successfully communicated that this service is also offered in your workshop.

In its message, the advertising banner is clear and unmistakable for the customer.

With its practical eyelets, the transmission flushing advertising banner can be optimally attached at the desired location.

OTHER FEATURES:

- Textile banner perforated
- Size 2m x 1m
- UV and weather resistant
- High quality print



AGS UNIVERSAL ADAPTER CASE

HIGH-QUALITY ADAPTER
„MADE IN GERMANY“

OUR ADAPTERS –
JUST IN CASE



SCAN
FOR
ADAPTER
LIST





SUSPENSION

ARTICLE NO. 400.500.000

FILLING AND BLEEDING DEVICE FOR ESUSPENSION SDS 5 (230V)

TECHNICAL DATA	SDS 5 230V	SDS 5 110V
Max. working pressure	40 bar	40 bar
New oil container volume	8 l	8 l
Old oil container volume	10 l	10 l
Power cord length	3,000 mm	2,500 mm
Mains voltage	230 V / 50 hz	110 V / 60 hz
Dimensions	650 x 660 x 960 mm	650 x 660 x 960 mm
Weight	70 kg	70 kg
Article No.	400.500.000	400.502.000

OTHER FEATURES:

- 110 V version available
- Solid metal housing
- Safe operation of high pressures
- GS tested
- Including adapter pliers
- Including 10 L collection container for used fluids

DELIVERY INCLUDES:

Filling and Bleeding Device for eSuspension SDS 5

- **Approved by Daimler AG.**

The Active Body Control chassis is the introduction of a new, active and innovative suspension system to the market. The suspension system operates at roughly 30 bar and therefore requires a device that is specially designed to withstand these pressures for emptying, flushing and filling. Work on the suspension system must be carried out not only in the event of damage to the suspension system itself, but also during repair and replacement work on other parts such as the wishbone. In order to guarantee correct filling and to avoid damage to the system, proper maintenance can only be carried out with this device.



ARTIKEL-NR. 400.501.000

SUSPENSION EVACUATION DEVICE SDE96 (230V)

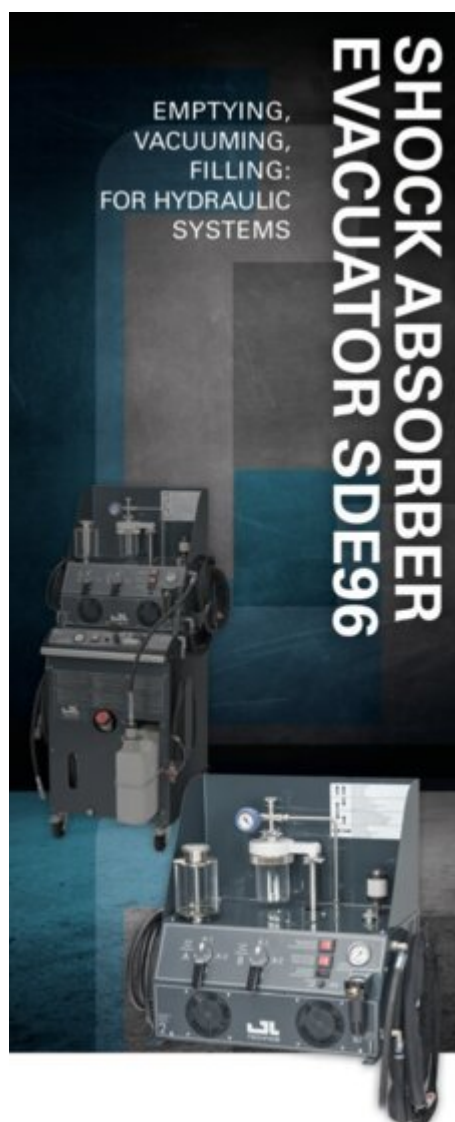
TECHNICAL DATA	SDE96 (230V)	SDE96 (110V)
Connection	Standard compressed air connection, nominal width 7.2 mm	Standard compressed air connection, nominal width 7.2 mm
Maximum negative pressure of the vacuum pump	0.98 bar	0.98 bar
Volume of oil separator	ca. 0.5 l	ca. 0.5 l
Volume of compensation container	up to 0.75 l	up to 0.75 l
Filling speed	0.6 l/min	0.6 l/min
Mains voltage	230 V / 50 hz	110 V / 60 hz
Power	450 W	450 W
Dimensions	520 x 650 x 580 mm	520 x 650 x 580 mm
Weight	ca. 40 kg	ca. 40 kg
Noise	≤ 70 db (A)	≤ 70 db (A)
Article No.	400.501.000	400.504.000

The CVSA2/Kinetic® suspension combines sportiness and comfort. In this suspension, each shock absorber is connected to each other via two hydraulic circuits and various valves. To be able to fill these hydraulic circuits with fresh hydraulic oil in the event of damage, a device is required that first removes the old oil from the circuits, then evacuates the circuits to almost -1 bar and finally fills them with fresh hydraulic oil at high pressure.

All these requirements are fulfilled by the Suspension Evacuation Device SDE96 in combination with the Filling and Bleeding device for eSuspension SDS5 (ATTENTION: Both units are needed to perform a flushing or refilling of the CVSA2/Kinetic® suspension).

During the complete repair process, only two hoses need to be connected and disconnected from the vehicle. All functions of the unit can be reached by setting two levers.

The Suspension Evacuation Device can only be used in combination with the Filling and Bleeding Device for eSuspension SDS5 (Art.No. 400.500.000) of company GL-GmbH.



OUR FAVORITES

EASYLIFT

SAVE ENERGY WHEN
CHANGING WHEELS



AGS 20 SPÜLGERÄT

HIGH-END-VERSION OF
A FLUSHING DEVICE

WORKSHOP HYGIENE

SECURITY FOR
YOUR CUSTOMERS
AND COLLEAGUES.



**DIFFERENT RAL
COLORS ARE POSSIBLE
ON REQUEST!**



ARTICLE NO. 500.110.000

DISINFECTANT PANEL (ALUMINUM WHITE)

TECHNICAL DATA	PANEL
Capacity	approx. 1 l
Dimensions	520 x 210 x 150 mm
Drilling pattern	15 x 44 cm
Weight	3 kg
Article No.	500.110.000

Suitable for disinfectants with up to 75% alcohol content.

OTHER FEATURES:

- Touchless operation
- Optimal dosage thanks to sprayed mist
- Maximum hygiene
- Easy filling with every available disinfectant

DELIVERY INCLUDES:

- Automatic dispenser
- Incl. design wall mount
- Incl. standing support
- Incl. 4 x 1,5 V C batteries
- Incl. drip tray

The daily working space brings us in contact with many people. To prevent the spread of diseases, a fast and reliable disinfection of our hands is essential.

Having been developed specifically for smaller rooms, the GL Disinfectant PANEL allows a space-saving attachment to walls. As soon as the solid design wall mount is screwed into place, the storage container can be refilled without needing to handle the screws a second time.

Needless touching of the dispenser is prevented thanks to the integrated, contactless hand recognition. This way, viruses and bacteria are neutralized effectively, and everyone can do their part in ensuring the well-being of others.



ARTICLE NO. 500.100.000

DISINFECTANT TOWER (ALUMINUM WHITE)

TECHNICAL DATA	TOWER
Capacity	approx. 1 l
Dimensions	1,320 x 380 x 420 mm
Weight	16 kg
Article No.	500.100.000

Suitable for disinfectants with up to 75% alcohol content.

OTHER FEATURES:

- Touchless operation
- Optimal dosage thanks to sprayed mist
- Maximum hygiene
- Easy filling with every available disinfectant

DELIVERY INCLUDES:

- Automatic dispenser
- Incl. design standing support
- Incl. 4 x 1,5 V C batteries
- Incl. drip tray

In times like these, it is especially important to take responsibility for others. In the every-day working space it is often difficult to keep the required minimum distance. This makes it all the more important to protect oneself and the surrounding people with intensive personal hygiene.

Disinfectant dispensers enable the easy and hygienic application of hand sanitisers in all facilities with many moving people. This way, viruses and bacteria are neutralized effectively, and everyone can do their part in ensuring the well-being of others.

Needless touching of the dispenser is prevented thanks to the integrated, contactless hand recognition. The solid metal construction guarantees a long lifespan and formidable resistance to tipping over, even in corridors and entrance areas.



SCAN FOR
DIGITAL
PRODUCT
CATALOG



TECHNICS

GL GmbH Metall- und Werkstatttechnik

Nürtinger Straße 23 – 25

D-72636 Frickenhausen, Germany

Telephone: +49 7022 94322-44

Telefax: +49 7022 94322-40

E-Mail: info@gl-gmbh.de

gl-gmbh.de

GL
TECHNICS