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## Diesel bleeding

### VACUUM PUMP INCL. COLLECTING TANK 1.5 L



item number :  
HAP 03 (060406)

#### DESCRIPTION

- Set consisting of vacuum pump HAP 01.2 (060411) in a plastic version for extracting oil or diesel fuel
- Vacuum output -0.85 bar
- Hose length 0.50 m
- And collection container HAP 15 (060408) oil-resistant 1.5 l plastic collection container
- With scaling in 250 ml increments
- Including quick coupling for connection to hand suction pumps HAP 01.1 and HAP 01.2.

### PRESSURE AND VACUUM PUMP SET (ALUMINIUM VERSION, 250ML) INCL. COLLECTING TANK 1,5 L



item number :  
HAP 05 (060404)

#### DESCRIPTION

- For quick, easy and clean extraction, filling, flushing and bleeding of oil or diesel fuel systems
- Set consisting of pressure and vacuum pump in aluminium design. Pressure performance min. 2 bar
- Vacuum output approx. 0.8 bar
- Pump volume 250 ml/stroke
- With double connection PRESSURE - VACUUM and collection container HAP 15 oil-resistant 1.5 l plastic collection container
- With scaling in 250 ml increments
- Including transparent suction hose, 2.0 m and quick coupling for connection to hand suction pumps HAP 01.1 and HAP 01.2

#### SCOPE OF DELIVERY

- 1 HAP 01.1 (060410) Pressure and vacuum pump (Aluminium version)
- 1 HAP 15 (060408) Collecting tank (1,5 L)

# ELECTRICAL PUMP FOR VENTILATION OF FUEL SYSTEMS OF HDEP/MDEG DIESEL MOTORS IN UTILITY VEHICLES



item number :

DEG 01\_24VDC (060504\_2)

## *DESCRIPTION*

- For quick, easy and professional ventilation of the fuel system of diesel engines in commercial vehicles especially suitable for Daimler Truck HDEP (Heavy-Duty Engine Platform) and MDEG (Medium-Duty Engine Generation) engines
- Required, e.g., for repair and maintenance work on the fuel system or when the tank is empty
- Power is supplied via the 24 V/DC vehicle electrical system
- Light metal housing with handle for mobile use, for example in service vehicles
- Integrated pressure gauge 0 ... 10 bar to observe the bleeding process
- Automatic switch-off at maximum pressure of 6.9 bar
- Technical data:
- power supply: 24 VDC through battery clamps
- Hose length: suction-side approx. 3 m
- Hose length: pressure side approx. 2.50 m
- Pressure gauge: size 63 mm, measurement range 0 to 10 bar, glycerine-filled
- Weight: 8 kg

## *SCOPE OF DELIVERY*

- 1 electr. pum
- 1 suction hose, length 3.00 m, with fuel filter
- 2 spare filters including clamps
- 1 pressure hose, length 2.50 m (8.2 ft), with quick-connect coupling
- 1 electr. connection cable with battery terminals
- 1 lead for power supply from battery

# 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

## 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

## BLEEDING UPDATE KIT (CDI) FOR VACUUM BOX VB 01, VB 01.1



item number :  
ET 368 (121384)

#### DESCRIPTION

- For quick, easy and mobile bleeding of the fuel system in connection with the vacuum box VB 01 or the vacuum bleeder UN 05
- Necessary when changing the fuel filter or when the tank is empty, for example
- Suitable for Mercedes-Benz CDI engines
- The optional vacuum box with its stored vacuum enables diesel to be sucked in and out without additional tools, such as pumps, etc.

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