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VACUUM COOLING SYSTEM FILLER

- The vacuum cooling system filler ensures that the cooling system is rapidly filled with coolant, free of air pockets and without any need for subsequent bleeding.
- It is used following repairs or for the first fill. The machine also carries out a vacuum leak test, preventing the filling of a leaking cooling system.
- A vacuum is generated in the cooling system by means of the workshop compressed air supply (6...10 bar) and a venturi nozzle.
- Provided the vacuum remains constant, the cooling system can be rapidly filled, devoid of any air pockets; the coolant is drawn in under vacuum.
- the filling method can be used on any type of vehicle
- the coolant is devoid of any air pockets
- security of the process
- easy to use
- the filling process and vacuum leak test are completed in about five minutes
- no maintenance required
- can be used to bleed stationary heating systems
- independent from the volume of cooling system
- Also suitable for cooling systems in hybrid, EV and fuel cell vehicles.

COOLER VACUUM FILLING DEVICE FOR FUEL CELL VEHICLES



item number :
KVB 01_BZ (011401_15)

DESCRIPTION

- The coolant vacuum filling device KVB 01_BZ is only used to check the vehicle's fuel cell cooling system for leaks and then to fill it with coolant without bubbles.
- Note: Exclusively for the pure use of coolants in fuel cell vehicles.
- Simple application
- Bubble-free filling
- Process-safe and maintenance-free

SCOPE OF DELIVERY

- Basic device KVB 01_BZ with vacuum gauge -1.0... 0 bar
- 1 venturi nozzle with hose
- 1 suction container (coolant container) 20 l
- Delivery in a sturdy plastic case

VACUUM COOLING SYSTEM FILLER WITH QUICK COUPLING



item number :
KVB 01 (011401_1)

DESCRIPTION

- Vacuum cooling system filler with quick coupling
- Works with all LEITENBERGER radiator adapters with the designation K., KS., KW.. and universal adapter UA 50 for radiator orifices from Ø 20 to 41 mm
- Filling method suitable for almost all vehicle types
- Easy to use
- Bubble-free filling
- Reliable and maintenance-free
- Filling incl. leak testing in about 5 minutes
- Also suitable to bleed stationary heating systems
- Suitable for cooling systems in hybrid and electric vehicles as well as vehicles with fuel cells.

SCOPE OF DELIVERY

- 1 vacuum cooling System filler
- 1 venturi nozzle
- 2 suction/emptying tube PVC, each 1.50 m long
- 1 solid plastic case

SPARE PARTS

- ET 340 (121356) vacuummeter NG 63, -0.9 ... 0 bar
- ET 380 (121396_1) stopcock with hose connection
- ET 408 (121396_2) stopcock with nipple (venturi nozzle)
- ET 315 (121333) venturi nozzle
- ET 409 (121444_1) suction/emptying tube, PVC, length 1.50 m
- ET 411 (121446) quick coupling G 1/4
- ET 341 (121357) rubber cone with nipple (KVB 01)
- ET 320 (121338) rubber cone (KVB 02)
- ET 578LR_Set (111624_2) replacement set for KVB 01/KVB 01.1

VACUUM COOLING SYSTEM FILLER WITH RUBBER CONE FOR CONNECTION TO THE COOLING SYSTEM FILLER NECK



item number :
KVB 02 (011402_1)

DESCRIPTION

- Vacuum cooling system filler with rubber cone for connection to the cooling system opening
- Universally applicable due to the conical sealing rubber
- Filling method suitable for almost all vehicle types
- Easy to use
- Bubble-free filling
- Reliable and maintenance-free
- Filling incl. leak testing in about 5 minutes
- Also suitable to bleed stationary heating systems
- Suitable for cooling systems in hybrid and electric vehicles as well as vehicles with fuel cells

SCOPE OF DELIVERY

- 1 vacuum cooling system filler KVB 02, 1 venturi nozzle
- 2 suction/emptying tube PVC, each 1.50 m long
- 1 solid plastic case

VACUUM COOLING SYSTEM FILLER WITH QUICK COUPLING



item number :

KVB 01.1 (011401_2)

DESCRIPTION

- Vacuum cooling system filler with quick coupling
- Works with all LEITENBERGER radiator adapters with the designation K., KS., KW.. and universal adapter UA 50 for radiator orifices from Ø 20 to 41 mm
- Filling method suitable for almost all vehicle types
- Easy to use
- Bubble-free filling
- Reliable and maintenance-free
- Filling incl. leak testing in about 5 minutes
- Also suitable to bleed stationary heating systems
- Suitable for cooling systems in hybrid and electric vehicles as well as vehicles with fuel cells.

SCOPE OF DELIVERY

- 1 vacuum cooling system filler,
- 1 venturi nozzle,
- 2 suction/emptying tube PVC, each 1.50 m long
- additional UA 50 universal adapter (20...41 mm diameter (0.7...1.6 in))
- 1 solid plastic case

SPARE PARTS

- ET 340 (121356) vacuummeter DS 63, -0.9 ... 0 bar
- ET 380 (121396_1) stopcock with hose connection
- ET 408 (121396_2) stopcock with nipple (venturi nozzle)
- ET 315 (121333) venturi nozzle
- ET 409 (121444_1) suction/emptying tube, PVC, length 1.50 m
- ET 411 (121446) quick coupling G 1/4
- ET 341 (121357) rubber cone with nipple (KVB 01)
- ET 320 (121338) rubber cone (KVB 02)
- ET 578_LRSet (111624_2) replacement set for KVB 01/KVB 01.1

VACUUM COOLING SYSTEM FILLER FOR UTILITY VEHICLES AND INDUSTRIAL MOTORS



item number :
KVB XL (011417_1)

DESCRIPTION

- Vacuum cooling system filler in a special XL version for large cooling systems of transport vehicles/industrial engines
- The vacuum cooling system filler guarantees fast and bubble-free filling without subsequent bleeding of the cooling system in the event of repairs or during the initial filling
- When using the device, a vacuum tightness test is performed and the filling of a leaky cooling system thereby avoided
- A vacuum is created in the cooling system with workshop compressed air supply via a venturi nozzle (6 ... 10 bar)
- If the vacuum remains constant, the cooling system can be filled quickly and free of bubbles by drawing in the coolant under vacuum
- The large hose cross section of 20 mm ensures fast and powerful operation with large cooling systems
- The very quick generation of the vacuum closes, e.g. the pressure compensation valve on the expansion tank
- This filling method can be used for almost all vehicle types. A very large selection of adaptations is available
- Reliable and maintenance-free
- Filling incl. leak testing in about 15 minutes
- Independent of the volume of the cooling system
- All individual parts are available as spare parts
- High performance quality product made in Germany

SCOPE OF DELIVERY

- 1 valve block with vacuum gauge -0.9 to 0 bar, with rubber protection cap
- 2 connection hoses
- 1 blind plug for self-test

EQUIPMENT

- KW 68 XL Test adapter (e.g. for DAF)
- KW 113 XL Test adapter (e.g. for DAF)
- KW 90 XL Test adapter (e.g. for Fiat / Iveco)
- KW 103 XL Test adapter (e.g. for Fiat / Iveco)
- KW 25.1 XL Test adapter (e.g. for Volvo)
- KW 85 XL Test adapter (e.g. for Volvo)
- KW 40 XL Test adapter (e.g. for MB / MAN)
- KW 110 XL Test adapter (e.g. for MB)
- KW 108_XL Test adapter (e.g. for MB / MAN)
- KW 62.1_XL Test adapter (e.g. for John Deere, Linde)

AUTOMATIC EVACUATION, FILLING AND TEST SYSTEM FOR ANY COOLING SYSTEM, THERMOMANAGEMENT- SYSTEM OF FUEL CELL VEHICLES AND ELECTRIC VEHICLES



item number :
KVBA 01 (011415_3)

DESCRIPTION

- For quick, easy and professional, automatic evacuation, filling and testing of cooling systems
- Also suitable for thermal management systems in fuel cells and electric vehicles
- Applications:
- For subsequent work.
- For test benches.
- Suitable for the filling of "wet" and "dry" systems.
- User-independent, reproducible filling result.
- Either fully automatic or manual process flow.
- Preparation of filling/testing procedures (development/process planning).
- Static and dynamic checking of the system tightness.
- Control:
- Via graphical user interface on an external computer.
- Individual filling and testing procedures can be quickly generated and saved in the "Admin" level.
- The stored filling and testing procedures can be retrieved and started from the "User" level.
- Adapter connections:
- Adapter connections to the expansion tank are not included in the scope of delivery.
- We have around 400 different adapter connections in our product range.
- 180° adapter, 90° adapter and 90° adapter with hose.

Individual advice. We would be happy to assist you in choosing the right adapter connections!

SCOPE OF DELIVERY

- 1 mobile cart
- 1 high performance vacuum pump, 230 VAC, adjustable final vacuum
- 1 drainage container (to protect vacuum pump)
- 1 Controller-Box
- 2 Hoses á 1.5 m, (for suction and filling)
- 1 x 30 Liter container for fresh coolants without adaptors to the expansion tank

AUTOMATIC EVACUATION, FILLING AND TEST SYSTEM FOR COOLING SYSTEMS, THERMOMANAGEMENT- SYSTEM OF FUEL CELL VEHICLES AND ELECTRIC VEHICLES



item number :
KVBW 01_230VAC_LR (011424_1)

DESCRIPTION

- Applications:
- For subsequent work
- For test benches
- Small batches
- Suitable for the filling of "wet" and "dry" systems
- Reproducible filling result
- Manual process
- Powerful vacuum pump
- Vacuum-proof design of all parts
- Connections:
- The connections to the expansion tank are not included
- We have around 400 different connections in our product range
- 180° connections, 90° connections and 90° connections with hose

Get in touch with us. We would be happy to assist you in choosing the right connections!

SCOPE OF DELIVERY

- 1 mobile cart
- 1 high performance vacuum pump, 230 VAC, adjustable final vacuum
- 1 drainage container (to protect vacuum pump)
- 1 Controller-Box
- 2 Hoses á 1.5 m, (for suction and filling)
- 1 x 30 Liter container for fresh coolants without adaptors to the expansion tank

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