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COOLING SYSTEM TESTING EQUIPMENT

- A leaking cooling system is identified by a drop in pressure.
- For cooling system testers with quick coupling, self-testing (leak testing) is possible without any additional tools.
- For diagnostics of leaks in cooling systems
- Also suitable for cooling systems in hybrid and electric vehicles as well as vehicles with fuel cells.
- Adapter available for cars, utility vehicles, motorcycles, agricultural and construction machinery.
- For information on how the adapter designations K., KS., KW.. are allocated to the vehicle manufacturers, please see the service area download section

COOLING SYSTEM TEST SET FOR HIGH-VOLTAGE BATTERIES



item number :

LR 150_LR_EV_1 (010785_2)

DESCRIPTION

- Thermal management systems for high-voltage vehicles have to be significantly denser than the cooling systems in combustion engines
- Therefore, the requirements for the tightness of such systems are significantly increased
- If a high-voltage battery is successively flooded with coolant due to a leak, this ends in a short circuit.
- With LR 150_LR_EV_1, the thermal management of an e-vehicle can be checked for leaks - after repairs or as required
- Measuring range: 0... 4 bar absolute pressure
- Accuracy: 0.5% FSS
- Resolution: 1 mbar (0.001 bar)

SCOPE OF DELIVERY

- 1 digital pressure gauge DM 80 0 ... 4 bar
- 4 blind plugs NW 16
- 1 test adapter
- 1 T-distributor

COMBINATION PUMP SET FOR PRESSURE AND VACUUM WITH CHANGE-OVER RING



item number :
KDV 01 (060109)

DESCRIPTION

- With quick coupling for universal and single adapters and release valve
- Solid combination pump made of aluminium and glass fibre reinforced plastic for pressure and vacuum (with switching ring)
- Switchable from vacuum to pressure range
- Precision vacuum pressure gauge with robust rubber protection cap NG 63
- Double fine scale:
- Vacuum range -1 ... 0 bar / 760 mmHG
- Pressure range 0 ... + 3 bar / 42 psi, fine graduation 0.1 bar
- 2 possible uses:
- As pressure pump for the cooling system
- As a vacuum pump for testing vacuum functions

SCOPE OF DELIVERY

- 1 combination pump
- 1 flexible hose FZ 100 K, connectable
- 1 hose transparent Ø 5x2 mm, length 0.50 m (20 in.)
- 1 conical brass adapter
- 4 connecting adapters made out of plastic
- supplied in carton box

SPARE PARTS

- ET 246 (121144) compound gauge DS 63 mm (2 1/2"), with dual scale bar/psi incl. protective rubber cap

LEAK DETECTION SYSTEM FOR COOLING SYSTEMS



item number :
LDS 01_KS (060057_2)

DESCRIPTION

- In combination with the air conditioning system leak test systems **KLDS 01** and **KLDS 05** forming gas / test gas can be introduced into an empty cooling system for leak testing
- A pressure drop test can then be carried out with the LDS 01_KS
- 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 2.0 bar
- Digital pressure display, resolution 0.01 bar (10 mbar)
- Test adapter not included.
- A list with the available cooling adapters can be downloaded in the service area

COOLING SYSTEM TESTER WITH QUICK COUPLING AND DRAIN VALVE



item number :
TVU 139/1 (010130)

DESCRIPTION

- Cooling system tester with quick coupling and drain valve in fibreglass reinforced ABS body.
- DS 52 mm (2") precision pressure gauge with robust protective rubber cap, double scale 0...2.5 bar / 0...36 psi.
- This tester is distinguished by the ergonomic design of the pump body.
- Note: further measurement ranges or other test equipment compliant design according to DIN standard ISO 9000 ff on request.

SCOPE OF DELIVERY

Delivered in paper box.

COOLING SYSTEM TESTER



item number :
TVU 139/1S (010130_4)

DESCRIPTION

Cooling system tester with quick coupling. Same as TVU 139/1, but with fixed hose.

SCOPE OF DELIVERY

- Cooling system tester with fixed hose, quick coupling and drain valve in fibreglass reinforced ABS body.
- DS 52 mm (2") precision pressure gauge with robust protective rubber cap, double scale 0...2.5 bar / 0...36 psi.
- This tester is distinguished by the ergonomic design of the pump body.

SPARE PARTS

- ET 09 (120143_1) pressure gauge DS 52, 0...2.5 bar / 0...36 psi without rubber protection
- ET 10 (120143_2) pressure gauge DS 52, 0...2.5 bar / 0...36 psi
- ET 08/K (120177_1) valve inside
- ET 13 (120166) pressure relief valve M 10x1
- ET 262 (121159) replacement set (valves + O-rings)

Note: Further ranges on request.

COOLING SYSTEM TESTER WITH QUICK COUPLING AND DRAIN VALVE



item number :
TVU 139/2 (010131_1)

DESCRIPTION

- Cooling system tester with quick coupling and drain valve in fibreglass reinforced ABS body.
- This tester is distinguished by the ergonomic design of the pump body.
- DS 52 mm (2") precision pressure gauge with robust protective rubber cap
- Double scale 0...4 bar / 0...58 psi

SCOPE OF DELIVERY

Delivert in paper box.

COOLING SYSTEM TESTER WITH QUICK COUPLING AND DRAIN VALVE, ALUMINIUM BODY



item number :
TVU 138/7 (010110_2)

DESCRIPTION

- Cooling system tester with quick coupling and drain valve.
- Aluminum version with a cylindrical housing, precision pressure gauge, with rubber protective cap, double scale 0...2.5 bar / 0...36 psi.
- Note: further measurement rages or oder test equipment compliant design according to DIN standar ISO 9000 ff on request.

SCOPE OF DELIVERY

Delivert in paper box.

COMMERCIAL COOLING SYSTEM TESTER FOR THE CONNECTION TO COMPRESSED AIR



item number :
TVU 100/2 (010109)

DESCRIPTION

- Commercial cooling system tester for the connection to compressed air by means of a tire inflating valve.
- Includes quick coupling, high quality gauge 52 mm (2"), double scale 0...2.5 bar / 0...36 psi, overpressure valve adjusted to 1.2 bar.
- Suitable for trucks and agriculture vehicles with large volume cooling systems in order to avoid prolonged pumping.

SPARE PARTS

- ET 09 (120143_1) pressure gauge DS 52, 0...2.5 bar / 0...36 psi, without rubber cap

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