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INJECTION TESTERS

- Manual injector / injector tester for testing diesel or petrol injectors.
- Check and set the opening pressure
- Assess the spray pattern
- Check of tightness and humming
- Optionally available with or without drag pointer.
- The test devices are available with a pressure gauge measurement range from 0 ... 10 to 0 ... 1600 bar.

TESTER FOR DIESEL FUEL INJECTORS (1600 BAR / 23200 PSI)



item number :

DET 1000 (041258_1)

DESCRIPTION

- For quick, easy and safe testing of injection nozzles / injectors of diesel engines
- The following is checked:
 - opening pressure,
 - spray pattern,
 - tightness and
 - humming
- Measurement range 0...1600 bar / 0...23200 psi
- Detachable pump lever
- Liquid container (800 cm³) with plexiglass splash guard
- Displacement 25 cm³
- Precision pressure gauge made from V-steel NG 100, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Optionally with ISO calibration certificate (extra charge)

SCOPE OF DELIVERY

- 1 injection tester; 1 pressure line thread M 12x1.5 with adapter DETA thread M 14x1.5

EQUIPMENT

- DETA 01 (041254) Opel, motortype DTL + DTH (M 17x0,75 with closed cone)
- DETA 02 (041256) VW/Audi, motortype TDI (M 12x1.25)

TESTER FOR PETROL AND DIESEL FUEL INJECTORS (600 BAR / 8700 PSI) WITH DRAG POINTER



item number :
DET 600_SZ (041231_2)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked:
 - opening pressure
 - spray pattern
 - tightness and
 - humming
- Measurement range 0 ... 600 bar / 0 ... 8700 psi
- The drag pointer stops at the highest value and displays this value. This is important when measuring the nozzle opening pressure, for example
- Detachable pump lever
- Liquid container (800 cm³) with plexiglass splash guard
- Displacement 25 cm³
- Precision pressure gauge made from V-steel NG 100 with drag pointer, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Optionally with ISO calibration certificate (extra charge)
- Note: Also available without drag pointer – DET 600

SCOPE OF DELIVERY

- 1 testing unit with pressure gauge
- 1 pressure line, thread M12x1.5
- 1 adapter, thread M12x1.5 to M14x1.5
- Delivered in a box

EQUIPMENT

- DETA 01 (041254) Thread M17 x 0.75
- DETA 02 (041256) Thread M12 x 1.25

TESTER FOR TESTING PETROL AND DIESEL FUEL INJECTORS (600 BAR / 8700 PSI) WITH DRAG POINTER



item number :
DET 063 (041255_3)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines

- The following is checked:
 - opening pressure,
 - spray pattern,
 - tightness and
 - humming
- Also suitable for leak testing of common rail injectors (drop formation, pressure drop etc.)
- Measurement range 0 ... 600 bar / 0 ... 8700 psi
- Made from aluminium, with reversible pump lever
- Enables easy and ergonomic pumping from above or from the front
- The drag pointer stops at the highest value and displays this value – this is important when measuring the nozzle opening pressure, for example
- Liquid container (800 cm³) with plexiglass splash guard; Displacement 35 cm³
- Precision pressure gauge NG 100 with drag pointer, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Note: Also available without drag pointer. > DET 062

SCOPE OF DELIVERY

- 1 injection tester
- 1 pressure line thread M 12x1.5 with adapter DETA thread M 14x1.5

EQUIPMENT

- DETA 01 (041254) Opel, motortype DTL + DTH (M 17x0,75 with closed cone)
- DETA 02 (041256) VW/Audi, motortype TDI (M 12x1.25)

SPARE PARTS

- ET 114 (120540) gauge DS 100, range 0...600 bar / 8700 psi with drag pointer
- ET 505 (121547) pump lever
- ET 506 (121548) strainer

TESTER FOR TESTING OF PETROL AND DIESEL FUEL INJECTORS (600 BAR / 8700 PSI)



item number :

DET 600 (041231_1)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked:
 - opening pressure
 - spray pattern
 - tightness and
 - humming
- Measurement range 0 ... 600 bar / 0 ... 8700 psi
- Detachable pump lever
- Liquid container (800 cm³) with plexiglass splash guard
- Displacement 25 cm³
- Precision pressure gauge made from V-steel NG 100, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Optionally with ISO calibration certificate (extra charge)
- Note: Also available with drag pointer. DET 600_SZ

SCOPE OF DELIVERY

- 1 testing unit with pressure gauge
- 1 pressure line, thread M12x1.5
- 1 adapter, thread M12x1.5 to M14x1.5
- Delivered in a box

EQUIPMENT

- DETA 01 (041254) Thread M17 x 0.75
- DETA 02 (041256) Thread M12 x 1.25

TESTER FOR TESTING PETROL AND DIESEL FUEL INJECTORS (600 BAR / 8700 PSI)



item number :

DET 062 (041255_2)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked:
 - opening pressure,
 - spray pattern,
 - tightness and
 - humming
- Also suitable for leak testing of common rail injectors (drop formation, pressure drop etc.)
- Measurement range 0 ... 600 bar / 0 ... 8700 psi
- Made from aluminium, with reversible pump lever
- Enables easy and ergonomic pumping from above or from the front
- Liquid container (800 cm³) with plexiglass splash guard
- Displacement 35 cm³
- Precision pressure gauge NG 100, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts

Note: Also available with drag pointer. > DET 063

SCOPE OF DELIVERY

- 1 injection tester
- 1 pressure line thread M 12x1.5 with adapter DETA thread M 14x1.5

EQUIPMENT

- DETA 01 (041254) Opel, motortype DTL + DTH (M 17x0,75 with closed cone)
- DETA 02 (041256) VW/Audi, motortype TDI (M 12x1.25)

SPARE PARTS

- ET 269 (121165) gauge DS 100, range 0...600 bar / 8700 psi
- ET 505 (121547) pump lever
- ET 506 (121548) strainer

TESTER FOR PETROL AND DIESEL FUEL INJECTORS (400 BAR / 5800 PSI) WITH DRAG POINTER



item number :

DET 400 SZ (041230_2)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked:
 - opening pressure,
 - spray pattern,
 - tightness and
 - humming
- Measurement range 0 ... 400 bar / 0 ... 5800 psi
- Detachable pump lever
- The drag pointer stops at the highest value and displays this value – this is important when measuring the nozzle opening pressure, for example
- Liquid container (800 cm³) with plexiglass splash guard
- Displacement 25 cm³
- Precision pressure gauge made from V-steel NG 100 with drag pointer, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Optionally with ISO calibration certificate (extra charge)
- Note: Also available without drag pointer. DET 400

SCOPE OF DELIVERY

- 1 testing unit with pressure gauge
- 1 pressure line, thread M12x1.5; 1 adapter, thread M12x1.5 to M14x1.5
- Delivered in a box

EQUIPMENT

- DETA 01 (041254) Thread M17 x 0.75
- DETA 02 (041256) Thread M12 x 1.25

TESTER FOR PETROL AND DIESEL FUEL INJECTORS (400 BAR / 5800 PSI) WITH DRAG POINTER



item number :

DET 061 (041255_1)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked:
 - opening pressure
 - spray pattern
 - tightness and
 - humming
- Also suitable for leak testing of common rail injectors (drop formation, pressure drop etc.)
- Measurement range 0 ... 400 bar / 0 ... 5800 psi
- Made from aluminium, with reversible pump lever
- Enables easy and ergonomic pumping from above or from the front
- The drag pointer stops at the highest value and displays this value – this is important when measuring the nozzle opening pressure, for example; Liquid container (800 cm³) with plexiglass splash guard
- Displacement 35 cm³
- Precision pressure gauge NG 100 with drag pointer, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Note: Also available without drag pointer – DET 06

SCOPE OF DELIVERY

- 1 injection tester
- 1 pressure line thread M 12x1.5 with adapter DETA thread M 14x1.5

EQUIPMENT

- DETA 01 (041254) Opel, motortype DTL + DTH (M 17x0,75 with closed cone)
- DETA 02 (041256) VW/Audi, motortype TDI (M 12x1.25)

SPARE PARTS

- ET 463 (121492_2) gauge DS 100, range 0...400/bar / 5800 psi with drag pointer
- ET 505 (121547) pump lever
- ET 506 (121548) strainer

TESTER FOR PETROL AND DIESEL FUEL INJECTORS (400 BAR / 5800 PSI) WITH DRAG POINTER



item number :

DET 061 (041255_1)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked:
 - opening pressure
 - spray pattern
 - tightness and
 - humming
- Also suitable for leak testing of common rail injectors (drop formation, pressure drop etc.)
- Measurement range 0 ... 400 bar / 0 ... 5800 psi
- Made from aluminium, with reversible pump lever
- Enables easy and ergonomic pumping from above or from the front

- The drag pointer stops at the highest value and displays this value – this is important when measuring the nozzle opening pressure, for example; Liquid container (800 cm³) with plexiglass splash guard
- Displacement 35 cm³
- Precision pressure gauge NG 100 with drag pointer, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Note: Also available without drag pointer – DET 06

SCOPE OF DELIVERY

- 1 injection tester
- 1 pressure line thread M 12x1.5 with adapter DETA thread M 14x1.5

EQUIPMENT

- DETA 01 (041254) Opel, motortype DTL + DTH (M 17x0,75 with closed cone)
- DETA 02 (041256) VW/Audi, motortype TDI (M 12x1.25)

SPARE PARTS

- ET 463 (121492_2) gauge DS 100, range 0...400/bar / 5800 psi with drag pointer
- ET 505 (121547) pump lever
- ET 506 (121548) strainer

TESTER FOR PETROL AND DIESEL FUEL INJECTORS (400 BAR)



item number :
DET 400 (041230_1)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked: opening pressure, spray pattern, tightness and humming
- Measurement range 0 ... 400 bar / 0 ... 5800 psi
- Detachable pump lever
- Liquid container (800 cm³) with plexiglass splash guard
- Displacement 25 cm³
- Precision pressure gauge made from V-steel NG 100, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts
- Optionally with ISO calibration certificate (extra charge)

Note: Also available with drag pointer. DET 400_SZ

SCOPE OF DELIVERY

- 1 testing unit with pressure gauge
- 1 pressure line, thread M12x1.5; 1 adapter, thread M12x1.5 to M14x1.5
- Delivered in a box

TESTER FOR TESTING PETROL AND DIESEL FUEL INJECTORS (400 BAR)



item number :

DET 06 (041255)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors of gasoline and diesel engines
- The following is checked:
 - opening pressure,
 - spray pattern,
 - tightness and
 - humming
- Measurement range 0 ... 400 bar / 0 ... 5800 psi
- Made from aluminium with reversible pump lever
- Enables easy and ergonomic pumping from above or from the front
- Liquid container (800 cm³) with plexiglass splash guard
- Displacement 35 cm³
- Precision pressure gauge NG 100, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts

Note: Also available with drag pointer – DET 061

SCOPE OF DELIVERY

- 1 injection tester
- 1 pressure line thread M 12x1.5
- 1 adapter DETA thread M 14x1.5

EQUIPMENT

- DETA 01 (041254) Opel, motortype DTL + DTH (M 17x0,75 with closed cone);
- DETA 02 (041256) VW/Audi, motortype TDI (M 12x1.25)

SPARE PARTS

- ET 462 (121492_1) gauge DS 100, range 0...400 bar / 5800 psi (DET 06)
- ET 505 (121547) pump lever
- ET 506 (121548) strainer

TESTER FOR PETROL AND DIESEL FUEL INJECTORS



item number :
BET 06 (041255_4)

DESCRIPTION

- For the quick, easy and safe testing of injection nozzles / injectors
- The following is checked:
 - opening pressure,
 - spray pattern,
 - tightness and
 - humming
- Measurement range 0...10 bar / 0...145 psi
- Made from aluminium, with reversible pump lever
- Enables easy and ergonomic pumping from above or from the front
- Liquid container (330 cm³) with plexiglass splash guard
- Displacement 35 cm³
- Precision pressure gauge NG 100, with rubber protection cap and double scale bar/psi
- All individual parts are available as spare parts

SCOPE OF DELIVERY

- 1 injection tester DET xxx
- 1 pressure line thread M 12x1.5 with adapter DETA thread M 14x1.5

EQUIPMENT

DETA 01 (041254) Opel, motortype DTL + DTH (M 17x0,75 with closed cone)

DETA 02 (041256) VW/Audi, motortype TDI (M 12x1.25)

SHUT OFF VALVE

item number :
DETAV (041259_2)



DESCRIPTION

- The shut off valve will be installed between the testing device and the pressure gauge.
- It isolates the pressure gauge.
- A volume controller can also be ordered separately.

SHUT OFF AND CONTROL UNIT



item number :
DETAVV (041259_1)

DESCRIPTION

- The shut off and control unit DETAVV will be installed between the testing device and the pressure gauge.
- The integrated shut off valve isolates the pressure gauge.
- The opening pressure of the valve can be regulated through a volume controller.
- The shut off valve can also be ordered separately.

PLASTIC CONTAINERS FOR DETERMINING THE INJECTION VOLUME OF COMMON RAIL INJECTORS



item number :

CRE 04 (042125_1)

DESCRIPTION

- Four plastic containers, with graduated scales, for determining the injection volume of common rail injectors in removed condition.
- For the function test during the startup process, the injectors are connected electrically to the control unit and hydraulically to the rail. Test capabilities:
 - **determining injection volume**
 - **determining damaged or leaking injectors (drips, etc.)**
 - **determining closed injectors (no injection)**
 - **determining open injectors (loss of hydraulic pressure)**

SCOPE OF DELIVERY

- 4 plastic containers (120 ml content)

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