

# Injector Nozzle Tester



## INTENDED USE

This Tool is made for checking Diesel injectors from injection systems with distribution or in-line injection pump.

The tester allows opening pressure test, beam shape test, leak test, rattling noise test and checking of the spray quality.

## SAFETY ADVICE

- Do not use the tool if any part is missing or damaged.
- Only use the tool for works for which it is intended.
- Never put your hand under the injector nozzle during the test process. The escaping diesel jet can cause injury to the skin and diesel fuel can enter into the body.
- Always wear protective gloves and goggles when using.
- Diesel spray is highly flammable, do not use the tester near open flames, heaters, etc.
- These instructions serve as brief information and in no way replace a workshop manual. Always follow the testing instructions and safety instructions of the vehicle manufacturer.

## DELIVERY

Pump unit with lever, tank, gauge with rubber protector and fuel line with adapters  
M12 x 1.5 - M14 x 1.5 - M17 x 0.75

## APPLICATION

1. Connect the injection nozzle to the tester by means of the appropriate adaptor.
2. Fill in Diesel into the tank.
3. Activating the lever, fuel will be pumped through the nozzle. Note: If there is no significant pressure, the system must be vented as follows. Slightly loosen the line and activate the lever, until diesel fuel leaking out of the line. Tighten the line again.
4. As soon as the fuel pressure exceeds the spring pressure, fine spread fuel will drop out of the nozzle
5. In order to test the tightness, a pressure of about 20 bar below the opening pressure has to be built up by means of the hand pump lever.
6. The injection valve is intact, if it does not start drop ping within 10 sec.
7. To effect a rattling test, the lever is activated slowly. Depending on type of valve, a clearly audible rattling noise has to appear during the injection.
8. The pressure at which the nozzle opens can be seen on the pressure gauge.
9. If the pressure does not correspond to the prescribed value you either have to readjust or to change the quantity of the compensating discs.