

**Diesel-injector-testers DET..,**

**Petrol-nozzle-tester BET..**

By means of this device the opening pressure of Diesel and petrol injection nozzles can be tested.

For checking the injector`s:

- opening pressure
- form of the stream of the fuel injected
- leakproofness
- rattling quality
- spraying of the fuel injected

**Attention: In case of incautiousness, the stream may cause injuries of the skin!**

**Application**

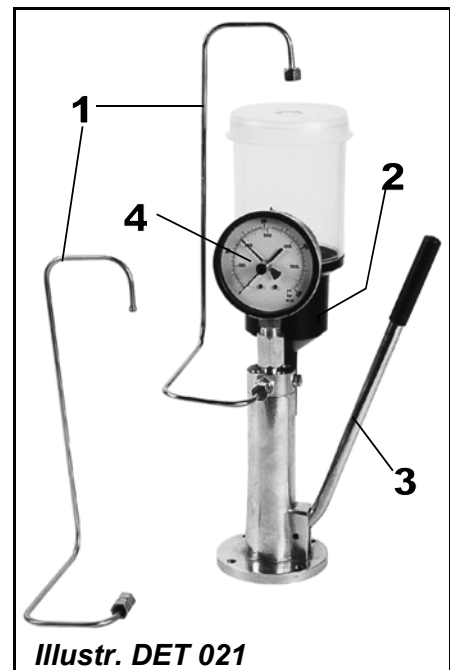
Dismount the injection nozzle from the engine and connect it to the tester by means of the adequate adaptor pipe (1) Thread M 14x1,5 or M 12x1,5).

Fill in Diesel or petrol into the tank (2). By activating the lever (3), fuel will be pumped through the nozzle holder into the nozzle. As soon as the fuel pressure exceeds the spring pressure, fine spread fuel will drop out of the nozzle.

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. The injection valve is intact, if it does not start dropping within 10 sec.

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.

The pressure at which the nozzle opens can be seen on the pressure gauge (4). If the pressure does not correspond to the prescribed value you either have to readjust or to change the quantity of the compensating discs.



*Illustr. DET 021*

Once the pressure required for the nozzle to open is reached, the drag pointer on the DET 021/031`s gauge remains in this position so that the value can be still be read later. That means, pressure gauge (4) and nozzle don`t have to be kept an eye on simultaneously.

Type	DET 011	DET 021	DET 030	DET 031	BET 031
Ref. No	041206	041207	41222	041210	041208
Gauge, class 1.0 bar	0...400	0...400	0..600	0...600	0...10
psi	5800	5800	8700	8700	145
drag pointer		●		●	