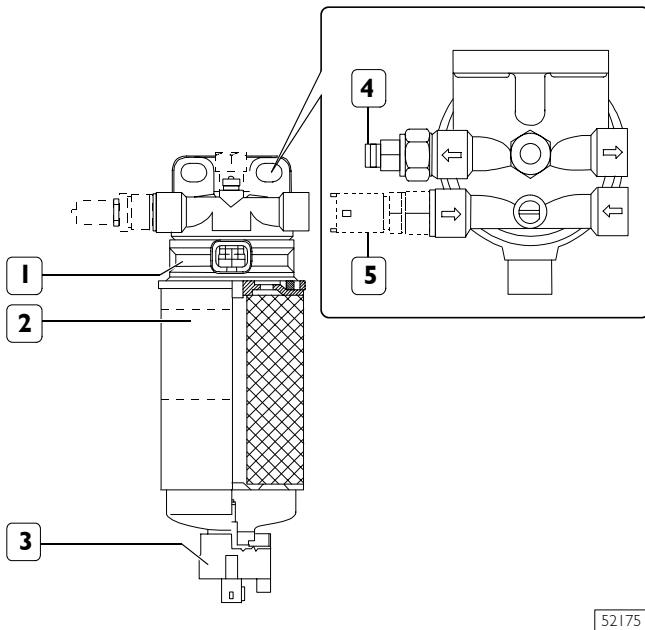


542011 Fuel filter**Figure 243**

52175

The fuel filter is mounted on a support (1) with a heater and has a water indicator.

The clogging indicator (4) and fuel temperature sensor (5) are mounted on the support (1). The control unit adapts the amount of fuel to inject into the cylinders according to the fuel temperature.

775010 High-pressure pump

This is the "radialjet" type with three radial pistons (total displacement 0.7 c.c.). It is operated by the timing belt without any need for timing.

Each pumping assembly is composed of:

- a piston (5) operated by a cam (2) integral with the shaft of the pump (6);
- an inlet plate valve (3);
- a delivery ball valve (4).

The high-pressure pump must be supplied by the motor pump at a pressure of at least 0.5 bar.

The maximum delivery pressure reaches 1350 bar.

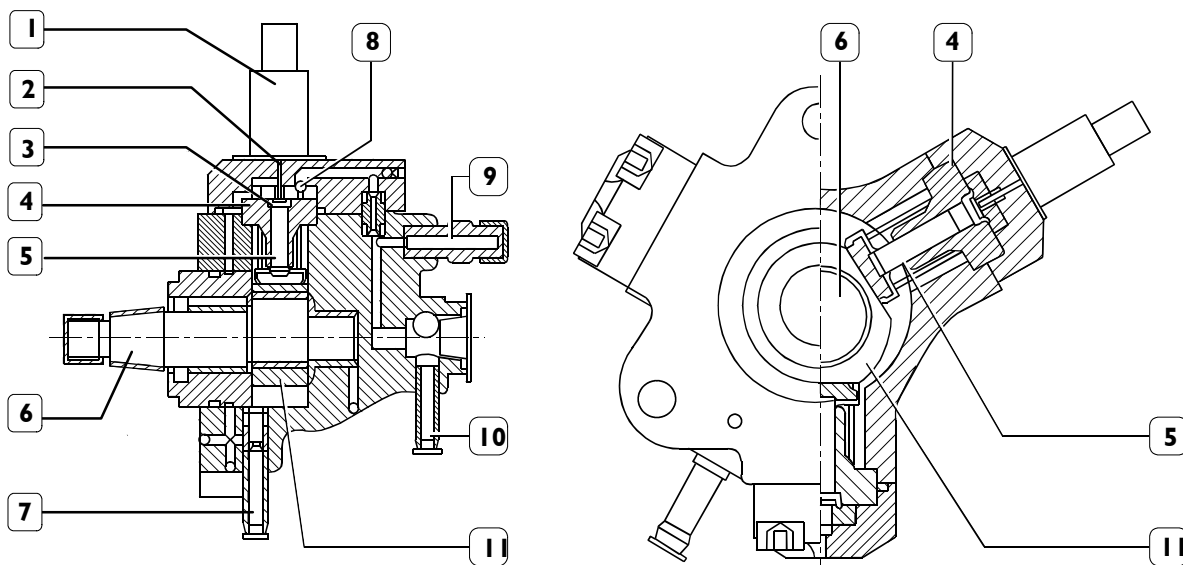
The delivery pressure is controlled by a pressure adjustment solenoid valve mounted on the pump.

The high-pressure pump is lubricated and cooled by the diesel through appropriate channelling.

In addition, the pump is equipped with a 3rd pumping element exclusion device.

Specifications:

Type	with radial pumping elements
Number of pumping elements:	3
Total displacement:	0.7 cm ³
Volumetric efficiency:	> 80% at 1000 bar from 500 to 3000 rpm pump
Operating range:	up to 1350 bar
Input power:	3.2 kW at 1000 bar and 3000 rpm pump
Top speed:	3000 giri/min
Supply:	Diesel at a pressure of 0.5 bar, with a minimum flow rate of 0.5 l/min more than the flow rate absorbed by the high pressure.

Figure 244

50702

1. 3rd pumping element exclusion solenoid valve - 2. Push rod - 3. Inlet plate valve - 4. Cylinder - 5. Pumping element - 6. Pump shaft - 7. Inlet - low pressure (from diesel filter) - 8. Delivery ball valve - 9. Delivery - high pressure (rail) - 10. Delivery - low pressure (recirculation) - 11. Three-lobe cam