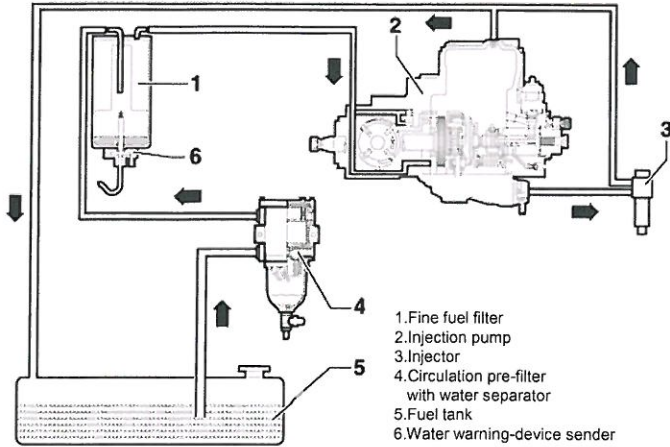


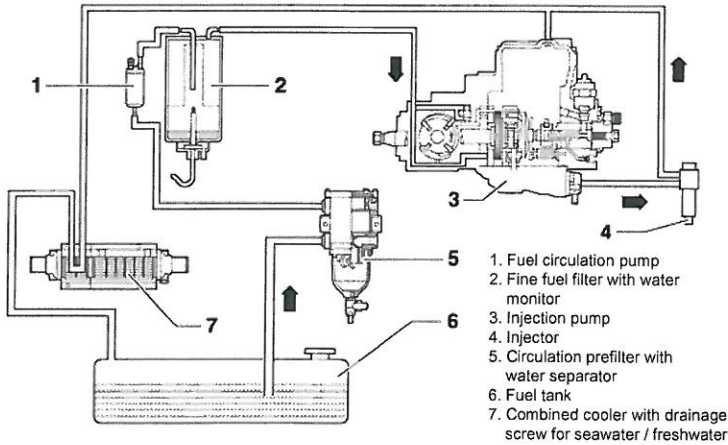
## B 0.2 Fuel system

Group	Number	Version
B 0.2	smc-08-83 vwm-08-03	01

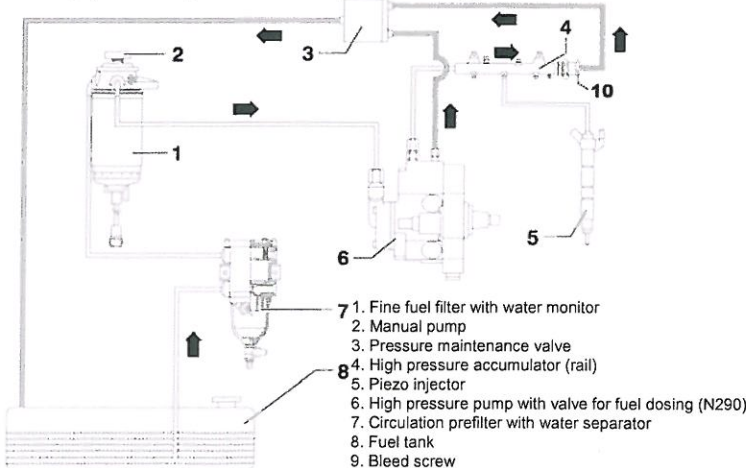
### (1) Fuel system - 4-Cylinder Engines



### (2) Fuel system - 5-Cylinder Engines



### (3) Fuel system - 6-Cylinder Engines



### Notes for workings on fuel system

The fuel system consists of several components. These components (fuel tank, circulation and fuel inlet filter with water separator etc.) must be installed with extreme care and cleanliness. Impurities can cause engine malfunctions. The fuel system must be checked for leaks following installation to achieve the greatest possible protection against fire.

The space for the fuel system must be sufficiently ventilated. The fuel tanks and the filler necks must be provided with an earth connection to the battery (on steel boats to the boat hull).

When arranging the components, ensure sufficient space for required maintenance work (and any necessary repair work).

See figures (1) to (3) on left side concerning the routing of the fuel supply line for the 4-, 5- and 6-cylinder engines.

The line cross-section must be **at least 8 mm**

On 5-cylinder engines (2) the fuel return line is to be routed from the combination radiator -7- to the fuel tank -6-. The return line from the injection pump to the combined cooler is fitted in the factory.

On 6-cylinder engines (3) the fuel return line must be connected to connector -10 - at the high pressure accumulator (rail).

The line cross-section must be **at least 8 mm**.

Fuel lines, seals and their connections must be suitable for RME fuel (rape-oil fatty acid methylester/bio diesel)

Please pay attention **not to use any non-ferrous metals** like **copper pipes, brass fittings or zinc-plated tanks** when mounting **components and assemblies** into the fuel system.

This can result in a **loss of power of the engine** or in a **risk of damage for injectors**.