

	Oil filter	11	Rubber diaphragm
1	Bottom part of oil filter	12	Spring plate
2a	Oil pressure sensor connection	13	Compression spring
3	Replacable cartridge		
4	Filter element	F	Return flow shut-off valve
5	Connection fitting	14	Valve holder
	<u> </u>	15	Valve plate
D	Oil filter bypass valve	16	Valve plate carrier
6	Compression spring	17	Compression spring
7	Circlip	18	Seal
8	Spring plate		
9	Valve cone	Α	Feed from oil pump
		В	Filtered oil to main oil gallery
E	Oil drain lock	С	Unfiltered oil to main oil gallery
10	Pressure plate		

The full-flow oil filter consists of the bottom part (1) and the replacable cartridge (disposable filter) (3). The rubber seal (18) is attached as a captive seal to the replacable cartridge.

## D Oil filter bypass valve

The bypass valve opens as soon as the flow resistance in the replacable cartridge rises above 2 + 0.3 bar. Unfiltered engine oil then flows into the oil circuit.

## E Oil drain lock

The spring-tensioned rubber diaphragm in the replacable cartridge prevents dirty oil flowing out of the replacable cartridge when the engine is switched off or when replacing the filter.

## F Return flow shut-off valve

The return flow shut-off valve (F) in the replacable cartridge prevents clean oil flowing out of the replacable cartridge at the bearing points when the engine is switched off.