

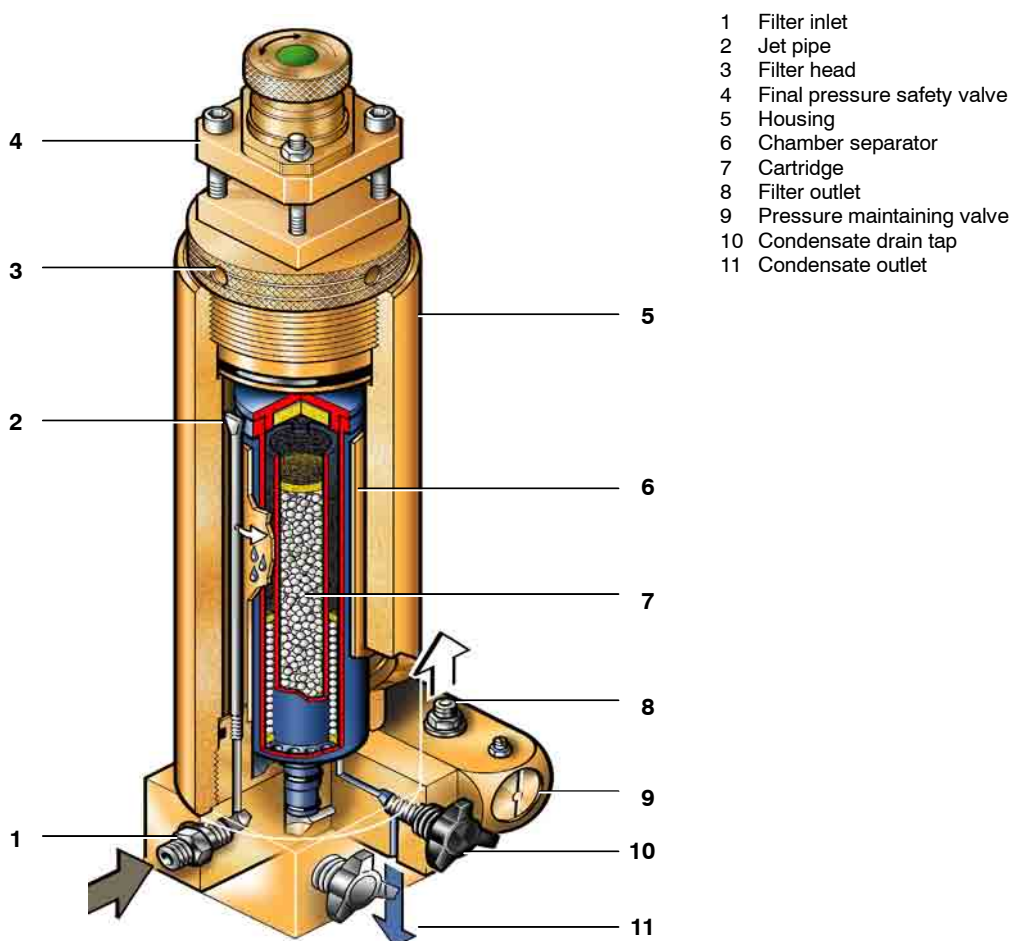
9. FILTER SYSTEM P21

9.1. DESCRIPTION

The air leaving the final stage is cooled in the after-cooler to approx. 10 - 15 °C (18 - 27 °F) above ambient temperature and then enters filter system P21 with **TRIPLEX** longlife cartridge (Fig. 26).

The filter assembly consists of separator and cartridge chamber. In the separator surrounding the cartridge chamber liquid oil and water particles are reliably separated from the compressed medium by a pipe nozzle.

Residual oil and water vapors are then removed by the **TRIPLEX** longlife cartridge. The quality of the breathing air produced conforms to DIN EN 12021.



- 1 Filter inlet
- 2 Jet pipe
- 3 Filter head
- 4 Final pressure safety valve
- 5 Housing
- 6 Chamber separator
- 7 Cartridge
- 8 Filter outlet
- 9 Pressure maintaining valve
- 10 Condensate drain tap
- 11 Condensate outlet

Fig. 26 Filter system P21

9.2. CONDENSATE DRAINAGE

Drain condensate from separator and cartridge chamber regularly by slowly opening drain taps (10, Fig. 26)

- before changing cartridge
- before each filling procedure
- during filling procedure every **15 minutes**.

Slowly open left tap first, then right tap approx. 1/3 turn to the left, until condensate is completely drained. The taps close by spring pressure, if necessary tighten by hand to make sure they are completely air-tight.