

Hydrocyclone filter F60

Pressure settings



Pressure is set by changing cross-sections in the return line (gate, adjusting sleeve, etc.)

- Feed pressure (4): 1,7 - 2,5 bar
- Return pressure (1): 0,3 - 0,6 bar



When return pressure is set between 0,3 and 0,6 bar, feed pressure should automatically lie between 1,7 and 2,5 bar

Cleaning the hydrocyclone

- Unscrew union nut (6)
- Remove and clean underflow nozzle (5)
- Remove and clean splash guard (7) if necessary

Alternative:

- Carefully push welding wire (Ø 4 mm) through the bore hole of the underflow nozzle (5) when equipment is running



Prerequisites for operation:

- Feed and return pressure in required range
- Underflow nozzle (5) is clean and free of swarf
- Bore hole (A) of the underflow nozzle is not worn or enlarged (maximum wear: 8 mm)
- The inner wall surfaces of the cyclone filter must be smooth and clean

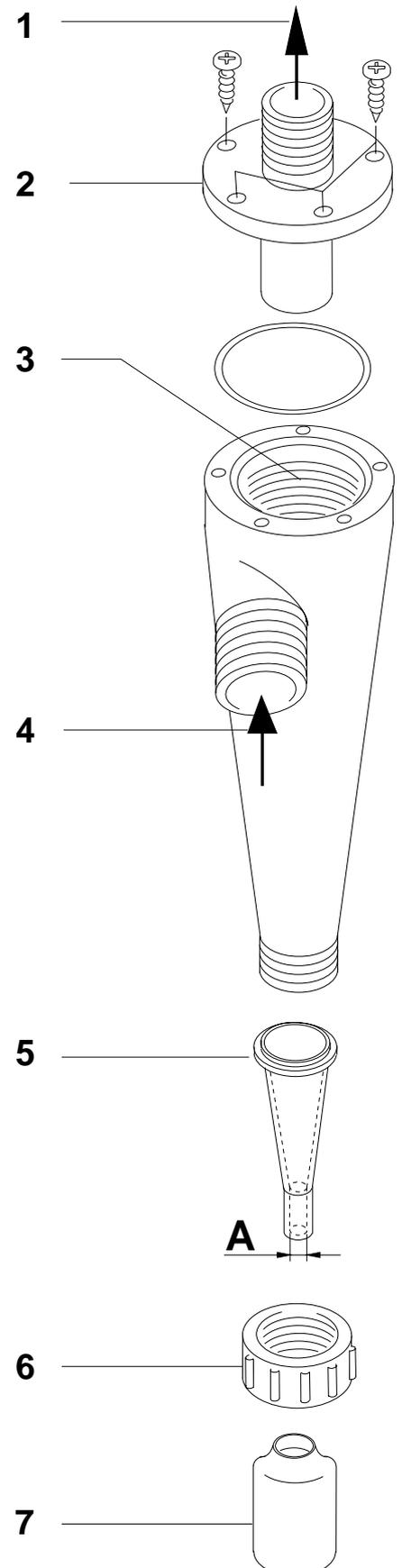
Check daily

- Feed and return pressure
- outflow of liquid at underflow nozzle (approx. 1.5 l/min are normal)



In case of high outflow rate of liquid:

Clean cyclone filter, remove cover (2), check roughness of wall (3) in the cyclone filter. If rough, replace cyclone filter



Flow and pressure regulation



Adjusting sleeves can be installed if required. They control the flow rate and can be adjusted as described below.

- Unscrew plug (A) and seal.
- Loosen the locking screw (B)



Turning the adjusting nipple (C) in clockwise reduces the flow rate, turning counter-clockwise increased the flow rate.

Do not turn out the adjusting nipple completely- liquid will be forced out under pressure

- Tighten locking screw
- Screw in plug and replace seal if required

