

Maintenance instruction Type **TSF5**

CNG Filter

also valid for versions with ferrule fitting



General information

Table of Content

1 General guidelines2

1.1 When reusing the single components please observe the following instructions:2

1.2 Operation2

2 References2

3 Assembly tools3

4 Lubricants5

5 Adhesives5

6 Cleaning agents5

7 Part list5

8 Sectional drawing with position numbers5

9 Disassembly6

10 Maintenance of Pos.37

10.1 Cleaning procedure for coarse impurities7

10.2 Cleaning procedure for fine impurities8

10.3 Exchange8

11 Assembly9

1 General guidelines

- Make sure that the system is not pressurized. Disassembly may only be effected when system is unpressurized!
- Sealing surfaces and sealing components may not be damaged.
- Sealing surfaces and sealing components have to be mounted absolutely free of dirt and dust. Smallest dirt particle may cause leakage.
- Please strictly observe the correct mounting direction and order of the sealing components.
- Sealing components may not get in contact with adhesives or degreasing spray.
- All sealings and sealing components have to be greased slightly, if not otherwise stated.
- Make sure not to mount twisted o-rings.
- Threads / surfaces to be bonded have first to be degreased. The curing time of the adhesive is 24 hours.

1.1 When reusing the single components please observe the following instructions:

- All sealing surfaces have to be checked for damage.
- All threads have to be checked for damage.
- If necessary replace the correspondent component.

Please note that WEH cannot assume any warranty resp. liability right of recourse for repair / exchange carried out by yourself.

1.2 Operation

The product has to be checked for leakage prior to operation using the operating medium and the operating pressure. For this purpose we recommend a foaming leak detection agent.

2 References

Drawings from Z-83120

General information

3 Assembly tools

Part No. 82284		Part No. 61461	
Part No. 59575 A/F 30		Part No. 101969	
Part No. 70139		Part No. 71119	
Part No. 47475		Part No. 59758	

General information

Part No. 63416			
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Übersicht

4 Lubricants

- Part No. E99-4

5 Adhesives

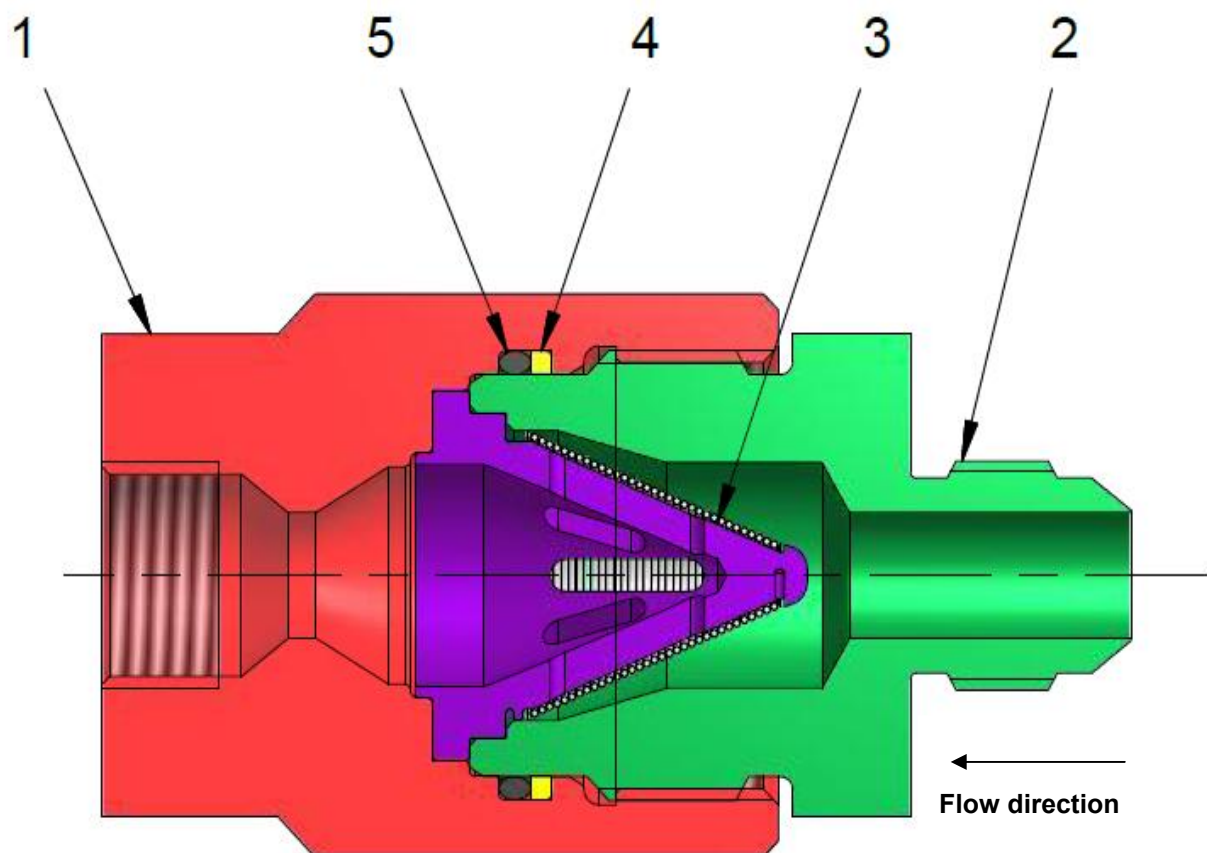
- Part No. 90160

6 Cleaning agents

- Part No. E99-9

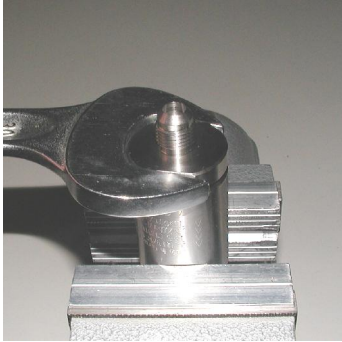
7 Part list

Pos.-No.	Quantity	Part No.	Description
1	1	83715	Valve housing
2	1	83716	Valve lower part
3	1	31704	Filter with wire
4	1	E55-247A	Back-up ring split
5	1	E50-252S568	O-Ring

8 Sectional drawing with position numbers

Disassembly**9 Disassembly**

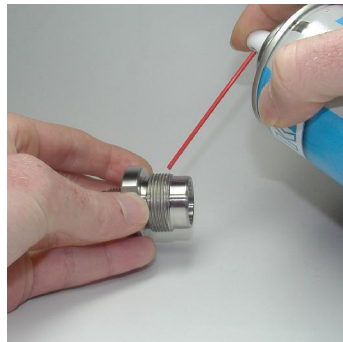
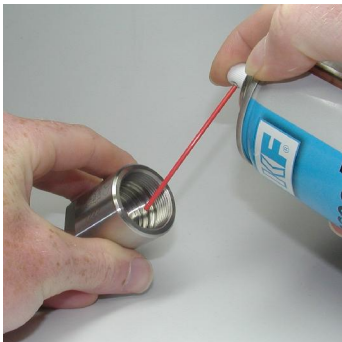
1 | Unscrew and remove Pos.2 using Part No. 47475, Part No. 59758 and Part No. 70139, remove Pos.3.



2 | Remove Pos.4 and 5 carefully out of the recess using part no. 101969.



3 | Spray the thread of Pos.1 and Pos.2 with the cleaning agent part no.E99-9.



4 | Remove adhesive residues completely from the thread using part no. 63416.



Maintenance of the filter element

- 5 |** Clean the thread with a clean, lint-free cloth.

**10 Maintenance of Pos.3**

The maintenance intervals have to be determined by yourself depending on the operating time and the impurities in the medium.

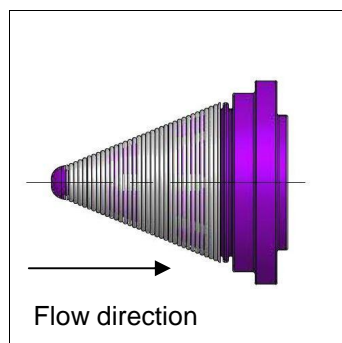
We recommend to put the filter on a lamp to detect those impurities.

Even very fine impurities between the single wire windings become visible.

Different procedures can be applied for cleaning the wire filter.

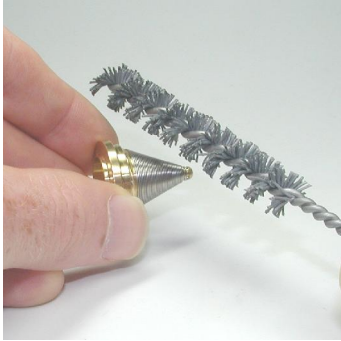
**10.1 Cleaning procedure for coarse impurities**

- Blow out the impurities from the inner side of the wire filter with compressed air contrary to the flow direction.



Maintenance of the filter element

- Brush away deposits at the outer side of the filter with the brush part no. 71119.



10.2 Cleaning procedure for fine impurities

- Immerse the wire filter in a suitable cleaning agent. Afterwards blow out with compressed air to clean it.



Requirements on cleaning agents:

1. The cleaning agent may not contain ammonia as the base body of the wire filter is made out of brass.
2. Do not use aggressive substances being able to corrode the materials of the filter.
3. The cleaning agent may not leave residues on the wire filter impairing the medium flow when putting the filter in operation again.
4. We recommend to use customary neutral cleaners and detergents.

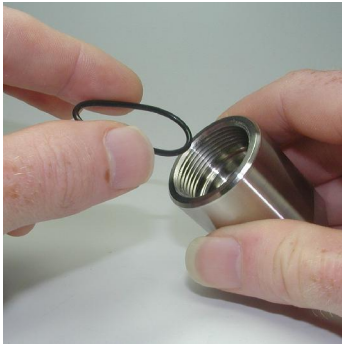
10.3 Exchange

- If there are heavy impurities, the filter cannot be cleaned any more. The filter then has to be exchanged.

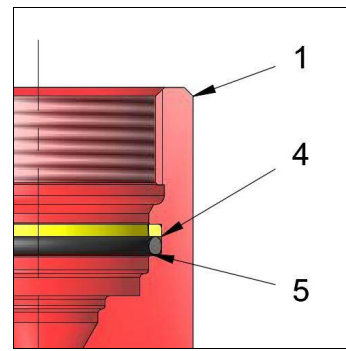
Assembly

11 Assembly

1 | Grease Pos.5 with part no. E99-4 and place it into the recess of Pos.1.



2 | Slightly spread apart Pos.4 and place it into the recess of Pos.1. **Take care of installation position!**



3 | Place Pos.3 in Pos.1.



4 | Adhere Pos.2 with Pos.1 using part no. 90160. Apply adhesive all around the first thread of Pos. 2. Screw Pos.2 with Pos.1 using part no. 82284, part no. 61461, part no. 59575, part no. 47475 and part no. 59758, tightening torque **60 Nm**.

