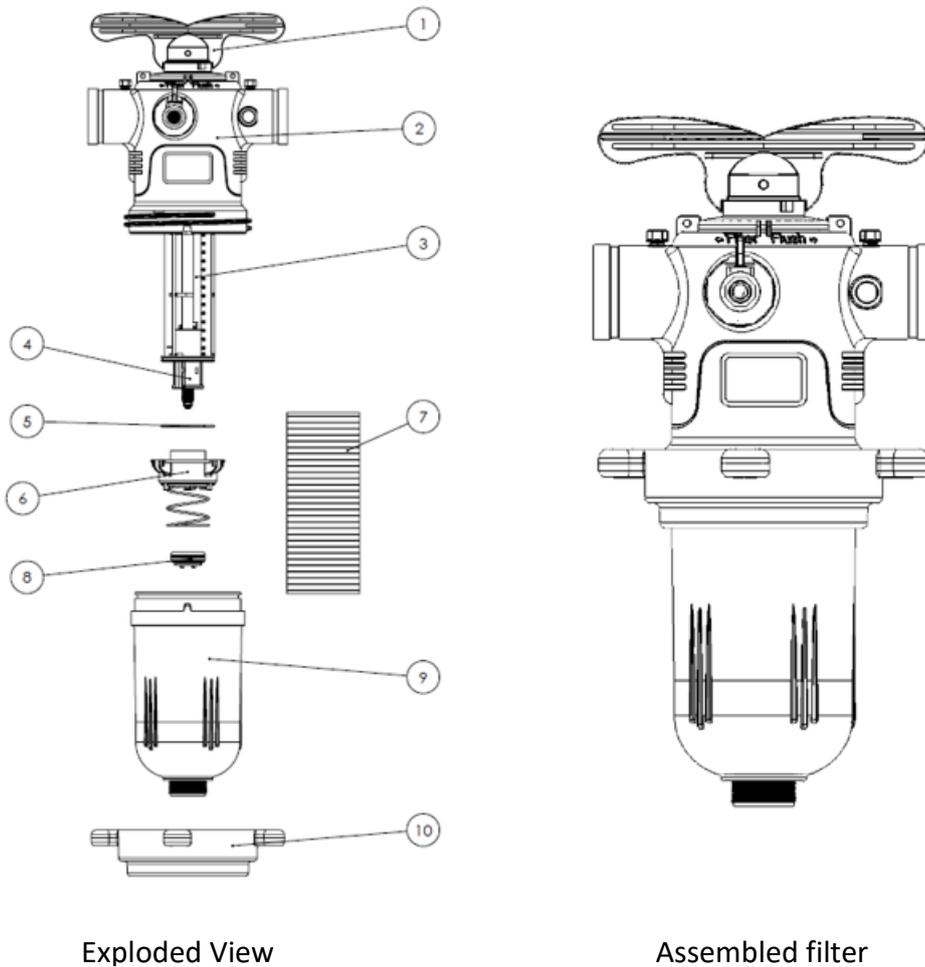


TDS Filter disassembly for Discs Maintenance

1. Filter main components

In Drawing 1- we can see the assembled filter on the right and the components required for discs maintenance.



Exploded View

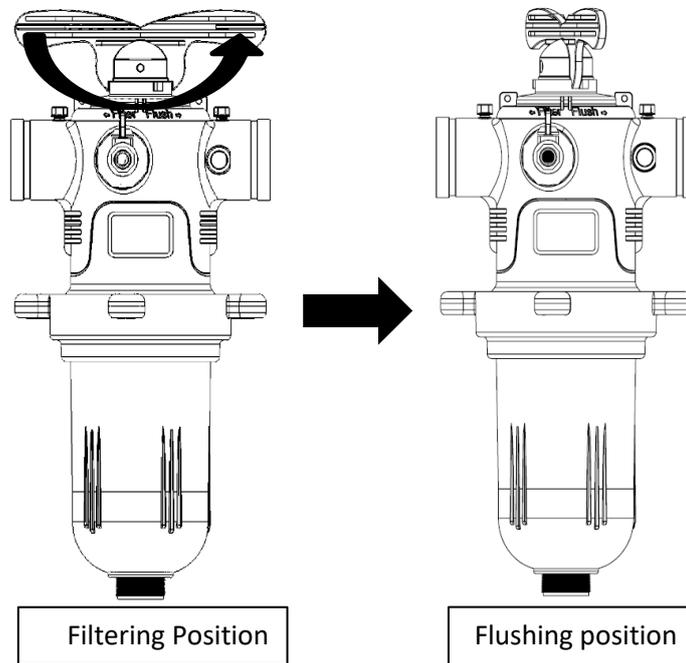
Assembled filter

Main filters components:

1. Handle	6. Lower disc piston
2. Filter body	7. discs
3. Spine	8. Sealing disc
4. flush valve assembly	9. Cup
5. Lower o-ring of the spine	10. Locking ring

2. Disassembly of piston assembly

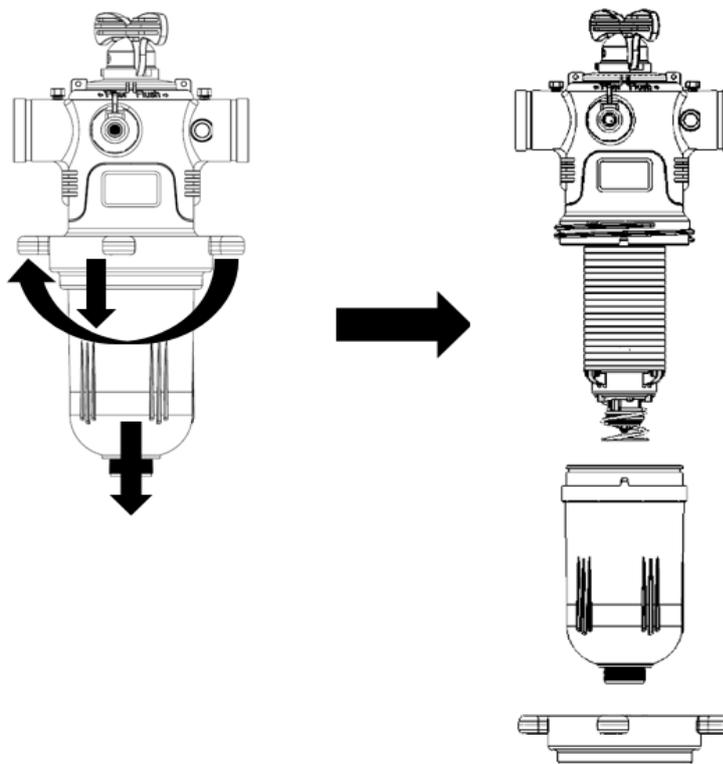
Before disassembling the filter, turn the handle into flushing position



From Filtering to Flushing

2.1 Open the locking ring by turning it clockwise and remove it downwards

2.2 Next remove filter cup by pulling it downwards.

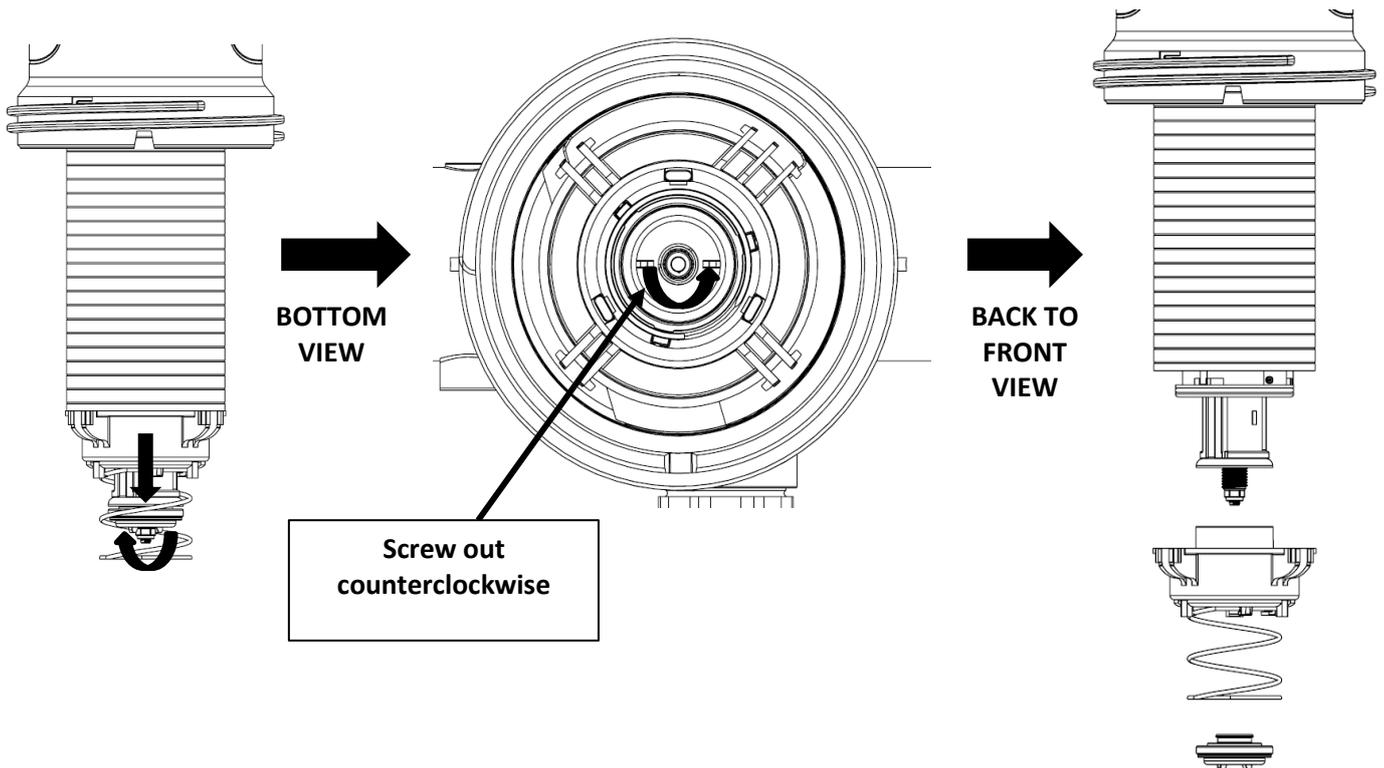


Opening the locking ring and removal of the ring and the filter cup.



3. Removal of lower disc seating

- 3.1 Rotate counterclockwise the sealing disc.
- 3.2 Remove downwards the lower disc seating.

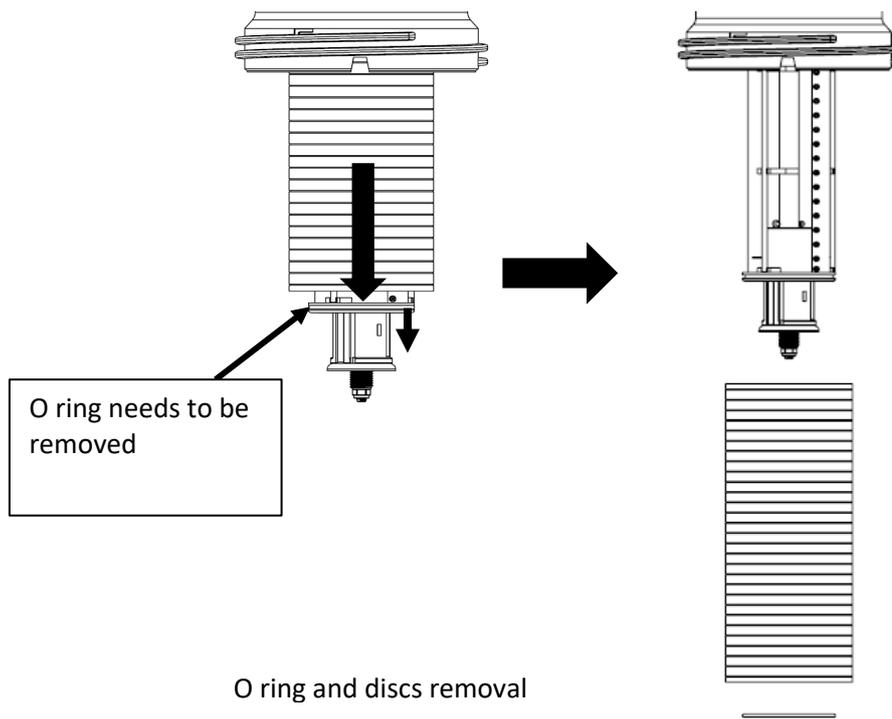


4. Disc removal

4.1 Carefully remove the o-ring without damaging it. If required use a blunt instrument only.

4.2 Now the discs can be removed for cleaning.

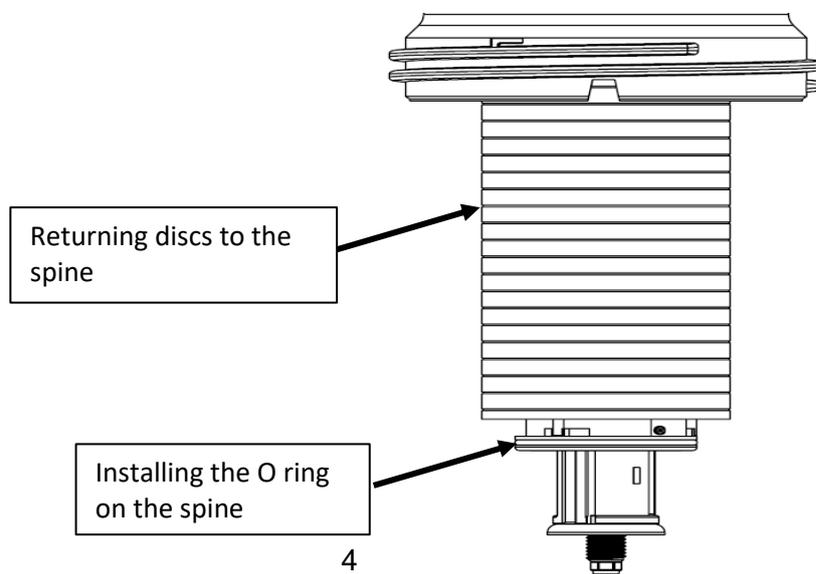
Please make sure not to lose discs – the number of discs is important for proper filtering.



5. Returning the discs to the spine

5.1 Return all the discs to the spine

Please make sure to return all the discs to the spine.



Returning the O ring and the discs to the spine

6. Returning the discs to the spine

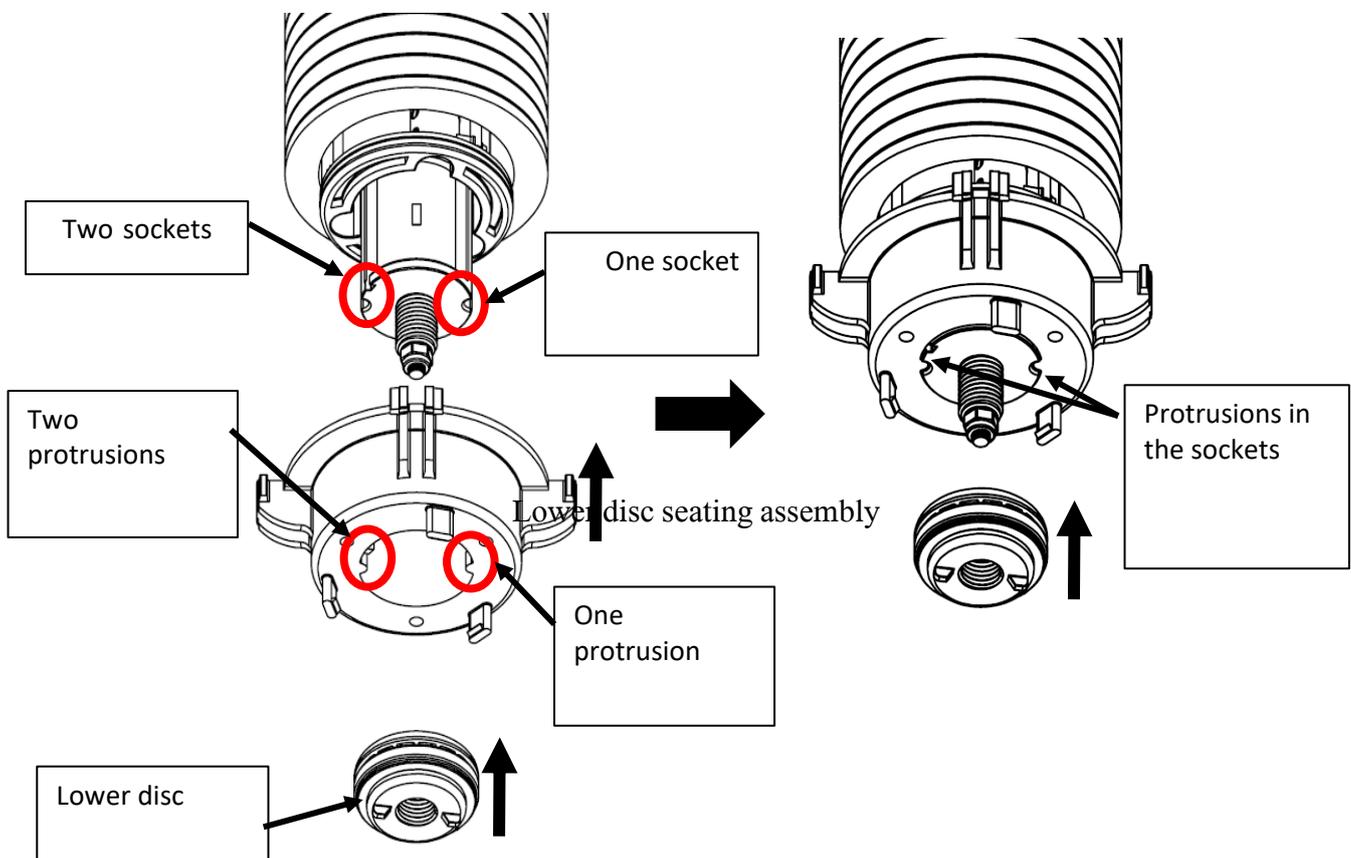
6.1 There are 2 sets of ribs on the inner part of the filter cover.

1 set of 3 ribs each with single protrusion.

A single rib with two protrusions.

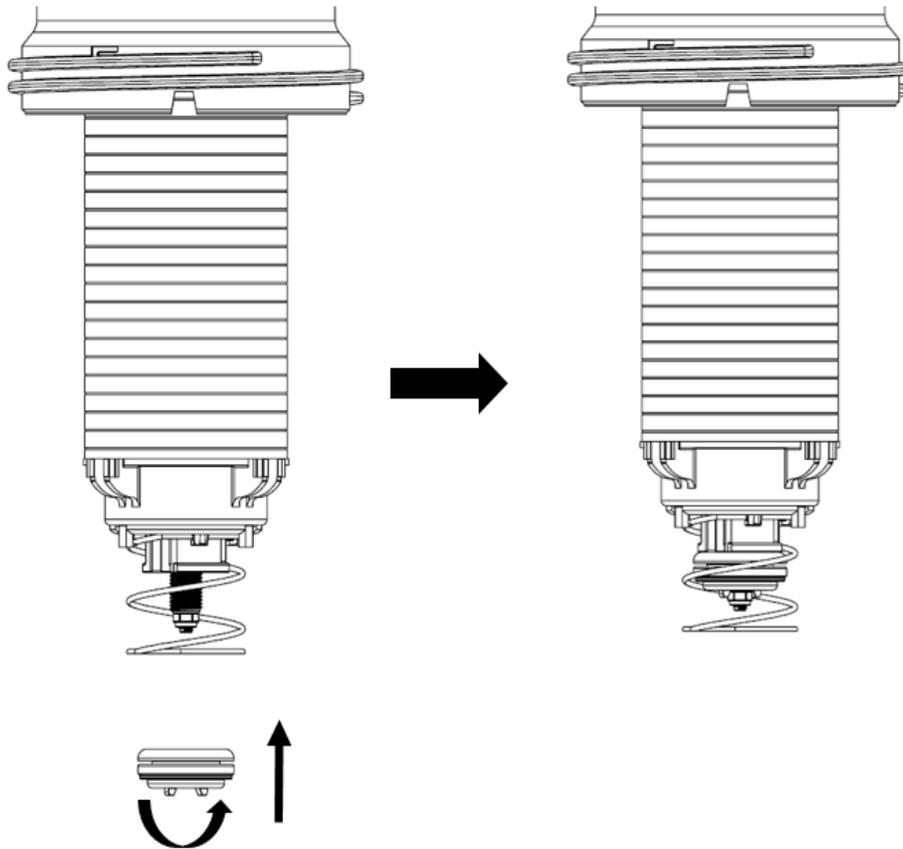
6.2 The three single ribs with one protrusion enter the conductors with 2 sockets.

6.3 The rib with 3 protrusion enters the conductor with two sockets.





Sealing disc assembly



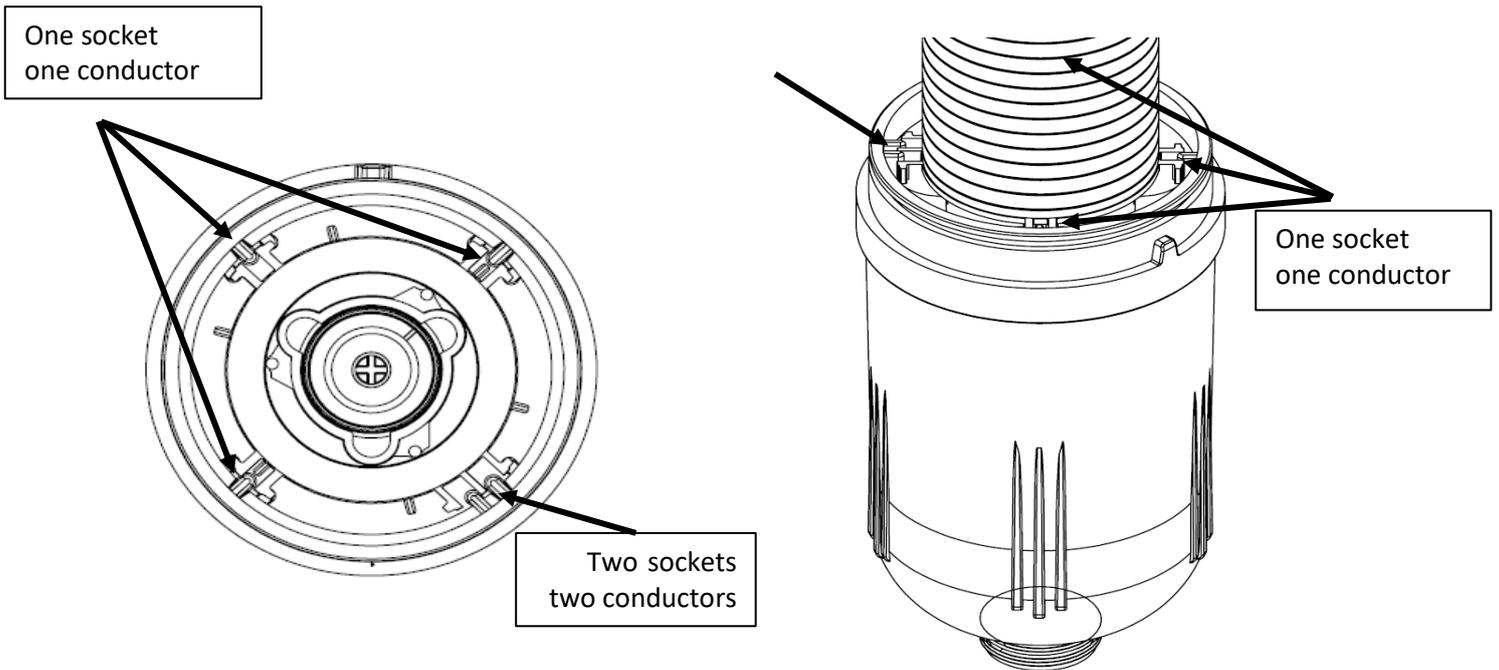
6.4 Install sealing disc in its place rotating it

7. Installing the lower disc assembly

7.1 The filter cup has 4 symmetric ribs that are used to direct the lower seating into its exact location. 3 ribs have 1 protrusion and one rib has two protrusion.

On the lower seating there are 4 conductors. 3 with one socket and one conductor with two sockets.

7.2 In order to properly install the slower seating in the filter cup we need to direct the conductors to the Protrusion so the conductors with one socket enters the rib with two protrusions.



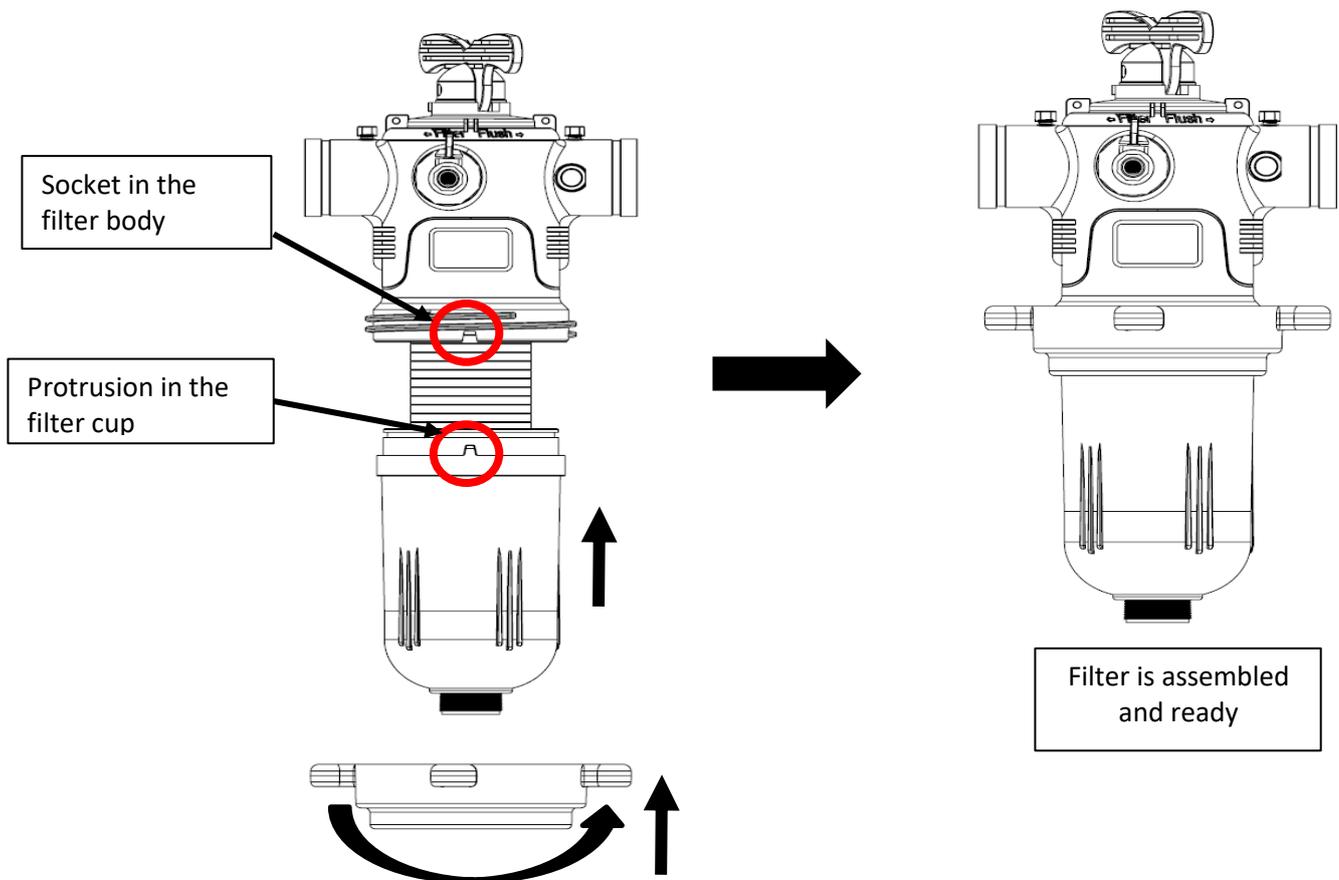
On the right-hand side – installing the cup- isometric view

On the left – upper view cutaway

8. Filter cup assembly

8.1 After installing the lower disc seating into the cup. We connect the cup to the filter body. The body has a trapezoid socket and the cup has a trapezoid protrusion. We insert the protrusion into the socket.

8.2 In order to lock the cup to the body insert the locking ring and lift it until it touches the thread and rotate using hands, (no tools are required to lock the thread). The ring pushes the cover to its proper place.
Filter is ready for use.



Cup assembly and tightening the locking ring