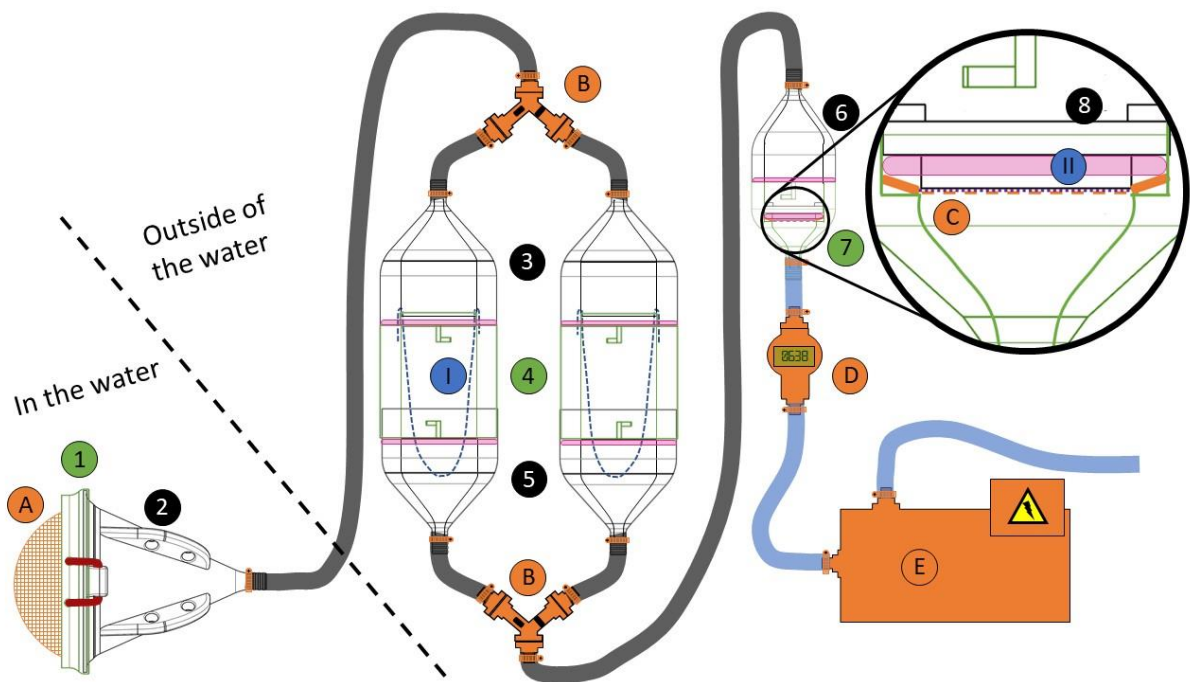


README : This file contains all the links to the ONSHAPE¹ website (account required), where the 3D design of each piece of the prototype can be downloaded, modified and exported as STL file to be 3D printed. The pieces are named according to the following sketch and summarized on the table in page 2. Please mind the Workspace units in the Onshape files.

On the Github repository, you can also find the poster presentation of the DesignProject and the PowerPoint presentation, where all the necessary information about the components can be found.



¹ <https://www.onshape.com/en/>

Nb on Sketch	Name in Onshape	Link	Remark
1 & 2	System entry	https://cad.onshape.com/documents/12143eeddccc9966f137dd35	Adapted to a 20cm diameter kitchen sieve
3	Prefiltration_Piece1	https://cad.onshape.com/documents/91b1ba9d19dbe5526a39ad15/w/59657feb5bd060891995e1d3/e/f60545e145b9a1e8dfe9370f	Adapted to a 120.02mm x 5.33mm o-ring seal ² (Outer diameter x cord diameter):
4	Prefiltration_Piece2	https://cad.onshape.com/documents/7ae8f519e6ced05743b95235/w/f204b3151f640881692c2252/e/b4b21d92ce998426706804d2	Adapted to a 120.02mm x 5.33mm o-ring seal ¹ (Outer diameter x cord diameter):
5	Prefiltration_Piece3	https://cad.onshape.com/documents/46298ac14923fdf138efc562/w/49dccc7ae3632aeecbf98ad/e/5593555cbcdf566aac9ec963	Adapted to a 120.02mm x 5.33mm o-ring seal ¹ (Outer diameter x cord diameter):
6	Filtration_Piece1	https://cad.onshape.com/documents/15a1c0490edd5fe6a5d404e7/w/4bc0ad9b2e085d999bffc0fd/e/aa6ba958969c242ca9235a9a	Adapted to a 81.92mm x 5.33mm o-ring seal ³ (Outer diameter x cord diameter)
7	Filtration_Piece3	https://cad.onshape.com/documents/efaf98f74ace2d9a579bf0e5/w/3672fbac179ac9a5707ef340/e/90921612e5440c8e15d63d08	Adapted to a 81.92mm x 5.33mm o-ring seal And a 69.22mm x 5.33mm o-ring seal ³ (between sieve and Filtration_Piece2) (Outer diameter x cord diameter)
8	Filtration_Piece2	https://cad.onshape.com/documents/2dbcd7061e35f9c9f8b4662/w/6ac18d525a32bc4ef1f2286c/e/e55fe2cdfb60e9ea86690d82	Adapted to a a 69.22mm x 5.33mm o-ring seal ⁴ (between sieve and Filtration_Piece2) (Outer diameter x cord diameter)
	Pipe adapter	https://cad.onshape.com/documents/c7178f3149def7d0244128cf/w/b1577deb6df2aa8f8a0ce3e/e/1f49beae8ef3d945089386dd	This piece was used on every other piece but can be directly modified here.
	Test Screw	https://cad.onshape.com/documents/34ae42fcfab6a19fb88cdea5/w/c78538da4ee63e16c15a0897/e/621caa44bc78fb563381cedc	To continue the project, a screwing locking system between the units could be useful. This is a first successful test.

² <https://shop.maagtechnic.ch/fr/joints-d-etancheite-joints-toriques-o-rings-et-accessoires-joint-torique-o-rings/o-ring-vmq-70-714177-as568-bs1806-iso3601-351-120-02x5-33mm-15169068/>

³ <https://shop.maagtechnic.ch/fr/joints-d-etancheite-joints-toriques-o-rings-et-accessoires-joint-torique-o-rings/o-ring-vmq-70-714177-as568-bs1806-iso3601-339-nf-r42-81-92x5-33mm-10297179-fr/>

⁴ <https://shop.maagtechnic.ch/fr/joints-d-etancheite-joints-toriques-o-rings-et-accessoires-joint-torique-o-rings/o-ring-vmq-70-714177-as568-bs1806-iso3601-335-nf-r38-69-22x5-33mm-10297124-fr/>