

This cartridge is made to fit into the scrubber of the Apocalypse rebreather.

Of course this cartridge does not have any CE approve and the purpose of this product is for testing and demonstration only.



It is made of POM and the sieves are SS-metal sieves. The lower is locked with a POM ring. The center pin does have an adjustable (in high) conical block to avoid tunneling along that pin.

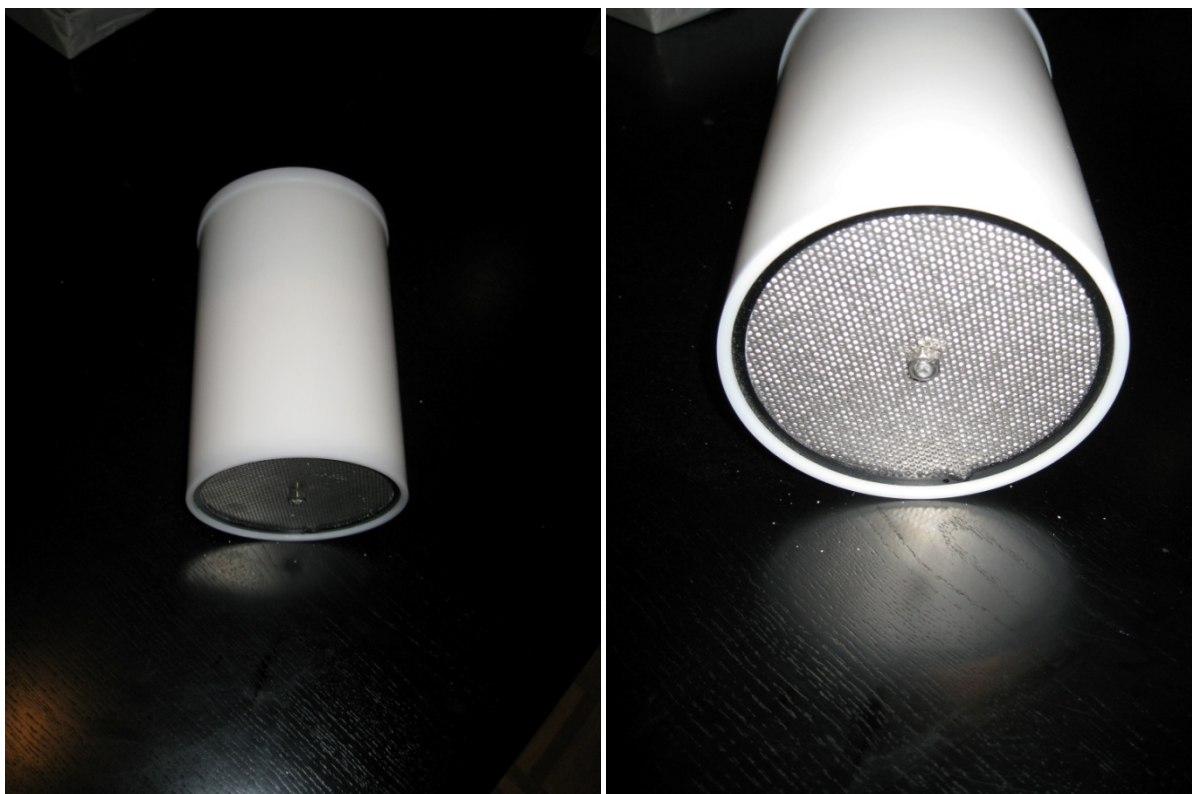


Internal diameter is 117mm

Length is 196mm, same as Extended Air Cartridge

So far I only checked it with DrägerSorb, it can contain up to around 1,8Kg of DrägerSorb.
Other scrubber material will be checked as they may have a different relation in volume/weight of course.

It can be filled partial, what we do NOT recommend!!



The lower part, the sieve is fixed with the POM spring



The POM ring is fixed for with a screw, to make sure it cannot open accidently.

It has a conical spring and the black POM nut to tight the spring fits into the center hole of the scrubber housing (with removed pin). So when installing this cartridge the two center pins of the scrubber housing have to be removed. They are only needed to hold the ExtendedAir Cartridge in center position and as they have an o-ring, they avoid gas going through the center tube of the ExtendedAir cartridge. So they are not needed with this cartridge as this cartridge does not have a center tube like the ExtendedAir.

It is absolutely necessary to reinstall the small pins with the o-ring back again when using an ExtendedAir cartridge. As these must block the center tube to avoid unfiltered gas passing through. Be sure you reinstall them correctly and that the o-ring is not damaged.

Filling the cartridge with soda sorb has to follow the general rules of filling a scrubber. You have to ensure the soda is packed well. Fill half and shake well, then fill two thirds and shake, finally fill the scrubber and shake it well. Then put on the top sieve, spring and nut. Tighten the spring to max tension and shake the scrubber again.



The upper part, scrubber nearly completely filled- with tightened spring

As seen on the picture, the upper part of the cartridge has a shoulder, this centers the cartridge nice into the scrubber housing.