Disposal Considerations

Waste Method Disposal for Europe:

DES-CASE breathers are usually used to protect oil or chemical reservoirs. When DES-CASE breathers are saturated, they contain a certain amount of oil or chemical fume (coming from the internal part of the reservoir).

Saturated DES-CASE breathers must be considered as impregnated, solid disposal products (like a rag or paper saturated by industrial oil or plastic grease cartridges).

A saturated DES-CASE breather may contains up to 30% of hydrocarbons residues carbonised. This amount is 60 time bigger than the amount of the colour additive (cobalt Chloride, less than 0.05%) and for that reason hydrocarbons residues are the mane concern for the way to disposal an used DESCASE unit.

Is the patented design of a Des-Case desiccant breather in accordance with European regulations?

All desiccant filters contain, when they are new, or when they need to be changed, at least some amount of chemical substances known or classified as CMR (Carcinogen, Mutagen or with effect on reproduction).

As such, suppliers and end-users, in Europe, must respect European regulations. It means:

1. **For refillable filters, it is necessary to have the special label with skull & cross bones. It is necessary to respect all of the rules for prevention, protection, information, etc. of employees.**
2. **For non refillable filters you must be sure of the closed design of your product and that you use impact resistant (shock and temperature) body material.**

Des-Case has a closed design…the cap is permanently fixed to the body and uses patented BASF Makrolon, a high impact resistant material designed to work in a range of temperatures from minus 100°C to +120°C.

As noted earlier, DES-CASE breathers are the only desiccant breathers on the market that allow end-users to respect regulations (in the field of health worker protection) and efficiently filter and dry ambient air

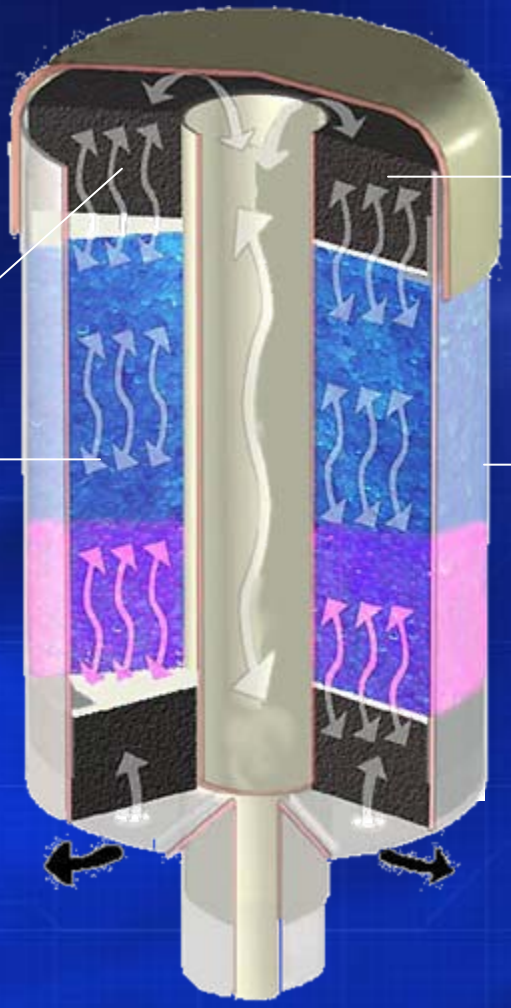
DES-CASE patented breathers meet the European criteria:

It is an “Article”.

During the normal use of DES-CASE breathers, the internal chemical substance is not designed to release and foam filter elements create a barrier.

We use the smallest quantity possible…and the less dangerous color additive (it is also an additive present in some foods).

People must be directly exposed (which they are not when it is enclosed in a breather) to 800 Kg of the DES-CASE colored silica gel just to reach to the annual quantity that they normally consume in food products.



Cap and body mounted by press and permanently affixed (“closed design”)

External shell made from Makrolon. It’s resilient construction allows for high shock-absorption and high range temperature resistance

Additionally, it is UV stable.