

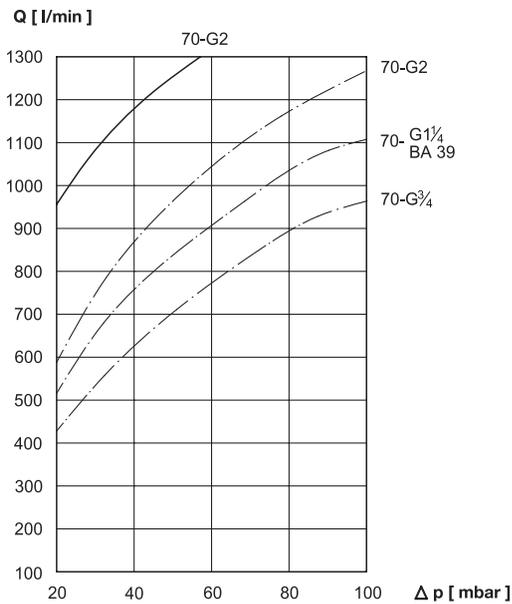
Description of function

EN 663 breather caps are normally used in larger fluid containers, which must be vented and whose liquid level changes rapidly. The latter requires a high air flow rate during breathing / venting (for smaller containers and gears, EN 552 breather caps are usually sufficient → page 1690).

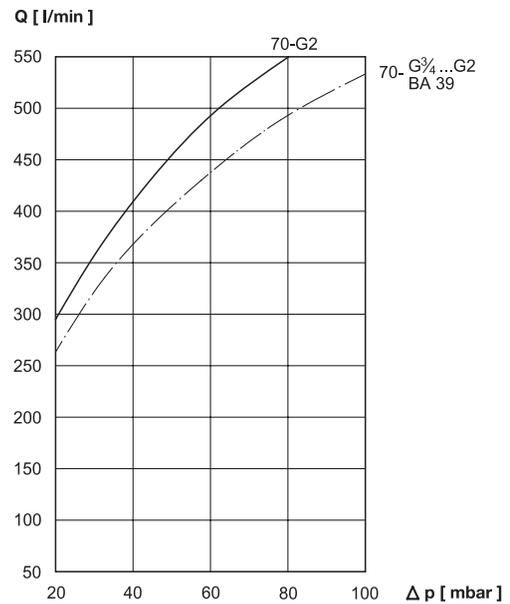
If the fluid is moved, there is a risk of leakage. With properly arranged splash guards (see graph), these breather caps prevent fluid from leaking without substantially impairing the venting process (pressure compensation).

The splash guards can be left out if their function is not required or if a higher air flow rate is desired.

A filter is used to protect the fluid from external contamination (dust). It is made of PU foam with a grade of filtration of 40 µm. The filter in these breather caps has a large volume for a longer service life, i.e. it does not clog up as quickly.



Air flow rate [l/min] as a function of pressure difference Δp [mbar] container / outside space
 With filter (40 µm): — - —
 Without filter: — — —
 Version **without** splash guards (Identification no. 3 and 4)



Air flow rate [l/min] as a function of pressure difference Δp [mbar] container / outside space
 With filter (40 µm): — - —
 Without filter: — — —
 Version **with** splash guards (Identification no. 1 and 2)

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9
3.10

