

- 3 Type**
 - A Without dipstick
 - B* With dipstick
- 4 Identification no.**
 - 2 With splash guards, with PU filter
 - 4 Without splash guards, with PU filter

Metric table

d ₁	d ₂ Pipe thread	d ₃ Bayonet mount	d ₄	d ₅	d ₆	d ₇	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆
70 2.76	G 3/4	-	68 2.68	35 1.38	16 0.63	-	15 0.59	6 0.24	63 2.48	-	-	173 6.81
70 2.76	G 1 1/4	-	68 2.68	-	23 0.91	-	17 0.67	-	59 2.32	-	-	179 7.05
70 2.76	G 2	-	68 2.68	-	23 0.91	-	17 0.67	-	59 2.32	-	-	179 7.05
70 2.76	-	BA 39	68 2.68	-	-	23 0.91	-	-	-	14 0.55	56 2.20	179 7.05

Dimensions in: millimeters - inches

*Only available for identification no. 2

Specification

- Body
Plastic
Technopolymer (Polyamide PA)
 - Temperature resistant up to 212 °F (100 °C)
 - Upper part (cap)
Orange, RAL 2004
 - Lower part (screw-in thread / bayonet mount)
Black, matte finish
- Seal
Rubber NBR (Perbunan®)
- Air filter
PU foam (Polyurethane)
 - Grade of filtration 40 µm
 - Temperature resistant up to 212 °F (100 °C)
- Dipstick
Steel, phosphate-treated
- *Elastomer Characteristics* → page 2135
- *Plastic Characteristics* → page 2135
- **RoHS compliant**

On request

- Fluid level markings / special lengths
see GN 109 → page 2045
- Cap without "OIL" imprint or with other imprint

Information

For function and operational criteria of EN 663 breather caps, see description of function.

Breather caps can be mounted either with a thread or a bayonet mount (BA) and can be combined with an EN 664 or EN 664.1 filler strainer.

The bayonet mount version can be secured against loss by means of the chain.

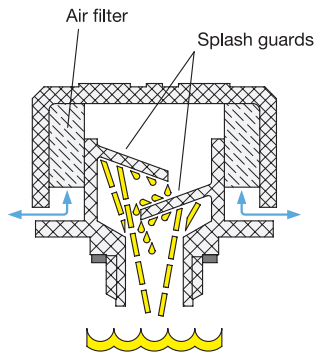
The dipstick has two flat sides on which the MIN-MAX markings can easily be applied (see GN 109 → page 2045).

see also...

- *Filler Strainers EN 664 / EN 664.1* → page 1716 / www.jwwinco.com
- *Breather Check Valve Caps EN 774.1 (with Membrane)* → www.jwwinco.com
- *Breather Strainers GN 7403* → page 1712

How to order	
1	Diameter d ₁
2	Bayonet mount d ₃ (Pipe thread d ₂)
3	Type
4	Identification no.

1 2 3 4
EN 663-70-BA39-A-4



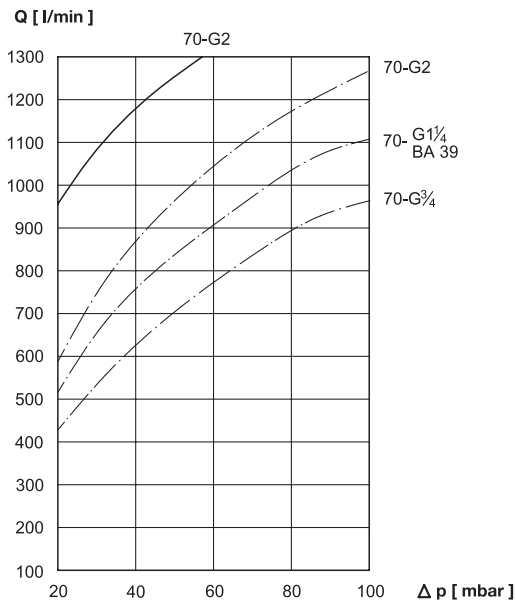
Description of function

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).

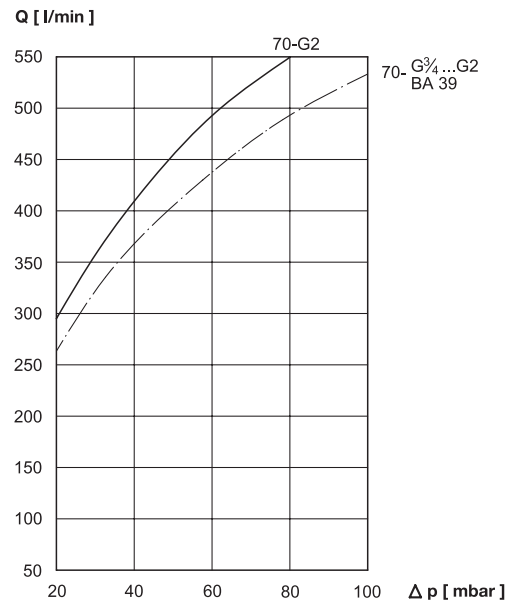
If the fluid is moved, there is a risk of leakage. With properly arranged splash guards (see graph), these breather caps prevent fluid from leaking without substantially impairing the venting process (pressure compensation).

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

