

**3 Type**

- A** Without dipstick
- B\*** With dipstick

**4 Identification no.**

- 2** With splash guards, with PU filter
- 4** No splash guards, with PU filter

<b>1</b> d <sub>1</sub>	<b>2</b> d <sub>2</sub> Thread	<b>2</b> d <sub>3</sub> Bayonet BA	d <sub>4</sub>	d <sub>5</sub>	d <sub>6</sub>	d <sub>7</sub>	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	l <sub>4</sub>	l <sub>5</sub>	l <sub>6</sub>
70	G ¾	-	68	35	16	-	15	6	63	-	-	173
70	G 1¼	-	68	-	23	-	17	-	59	-	-	179
70	G 2	-	68	-	23	-	17	-	59	-	-	179
70	-	BA 39	68	-	-	23	-	-	-	14	56	179

\* only available for identification no. 2

**Specification**

- Plastic (Polyamide PA)
  - Temperature resistant up to 100 °C
  - Upper part (cap) Orange, RAL 2004
  - Lower part (threaded part / bayonet) Black, matte finish
- Seal Rubber NBR (Perbunan®)
- Air filter PU-foam (Polyurethane)
  - Filtration 40 µm
  - Temperature resistant up to 100 °C
- Dipstick Steel, phosphated
- *Elastomer Characteristics* → Page 2158
- *Plastic Characteristics* → Page 2158
- RoHS

**On request**

- Level Markings / Special Lengths GN 109 → Page 2083
- Cap without imprint „OIL“ or other imprint

**Information**

Function and operational criteria of breather caps GN 663, see description of function.

Breather caps can be connected by either a threaded or a bayonet (BA) fitting and filler strainer GN 664 or GN 664.1.

The bayonet type can be secured by means of the attached chain.

MAX-MIN lines can easily be marked on the two flat sides of the dipstick (see GN 109 → Page 2083).

**see also...**

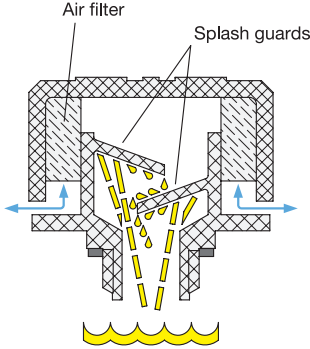
- *Filler Strainer GN 664 / GN 664.1* → Page 1634 / 1636
- *Breather Caps GN 774.1 (with Membrane)* → Page 1614
- *Breather Strainers GN 7403* → Page 1630

**How to order**

**GN 663-70-BA39-A-4**

<b>1</b>	d <sub>1</sub>
<b>2</b>	d <sub>3</sub> (d <sub>2</sub> )
<b>3</b>	Type
<b>4</b>	Identification no.

### Description of function

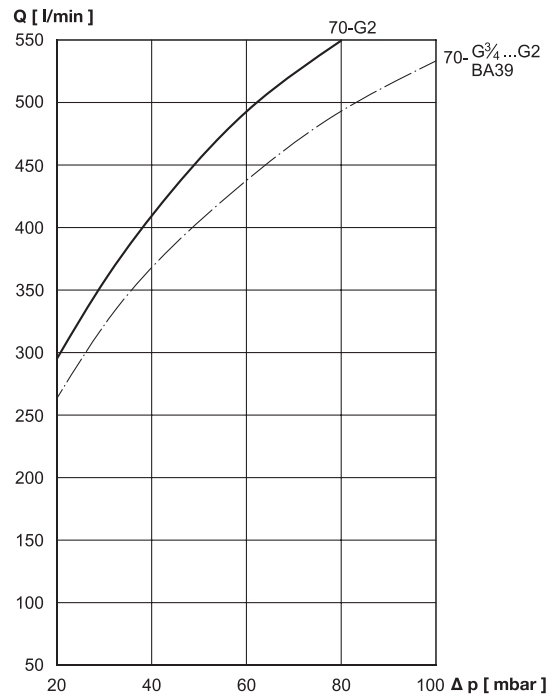
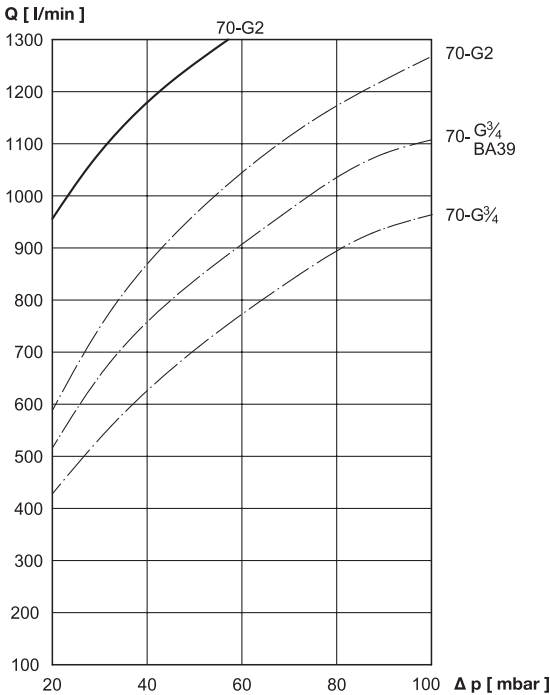


Breather caps GN 663 are normally used in larger oil reservoirs which must be ventilated and whose level changes rapidly. The latter requires a high air flow rate during breathing / ventilating (Breather caps GN 552 → Page 1608 are usually sufficient for smaller containers and gears).

If agitated, there is the risk that oil will leak. With properly aligned and shaped splash guards (see schematic drawing), these breather caps prevent the oil from leaking without substantially disrupting the ventilation / breathing process (pressure compensation)

The splash guards can be left out if their function is no longer needed or if a maximum air flow rate is desired.

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



Air flow rate [l/min] in reliance on the pressure difference  $\Delta p$  [mbar] container / outside space with filter (40 µm): — · — without filter: — — —

Type **without** splash guards (Identification no. 4)

Air flow rate [l/min] in reliance on the pressure difference  $\Delta p$  [mbar] container / outside space with filter (40 µm): — · — without filter: — — —

Type **with** splash guards (Identification no. 2)

3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9

