

4 Type

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

d ₁	d ₂ Thread		Bayonet	Opening pressure in mbar		d ₃	d ₄	d ₅	l ₁	l ₂	l ₃	l ₄	l ₅	l ₆
	Type A	Type B												
57	G 3/4	-	-	350	700*	35	16	56	13	6	48	-	-	-
70	G 3/4	G 3/4	-	350	700*	35	16	68	15	6	63	-	-	188
70	G 1 1/4	G 1 1/4	-	350	700*	-	25	68	17	-	59	-	-	195
70	G 2	-	-	350	700*	-	25	68	17	-	59	-	-	-
70	-	-	BA 39	350	700*	-	25	68	-	-	-	14	56	195

* not available from stock, requires a minimum order quantity

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](#)

Information

Function and operational criteria of breather plugs GN 774 see function description.

Breather caps are fitted either with a threaded neck or with a bayonet connection and they can also be combined with a filler strainer GN 664 or GN 664.1.

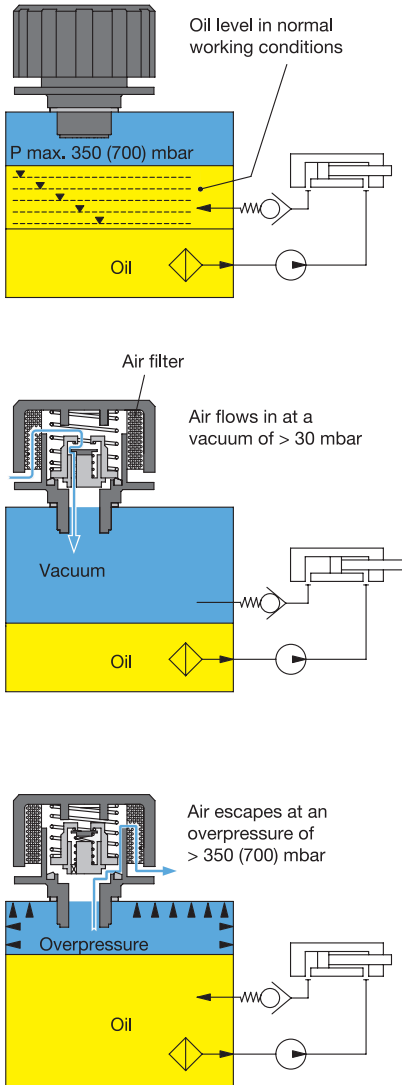
The bayonet version is fitted with a chain to avoid losing it.

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 775 → Page 1616](#)
- [Breather Caps GN 764 → Page 1618](#)

How to order		1	d ₁
		2	d ₂
		3	Opening pressure
		4	Type



Function

Breather caps GN 774 with double valve are normally used if the oil container is under pressure and if outside air has to flow back in to compensate for the vacuum caused by falling oil level.

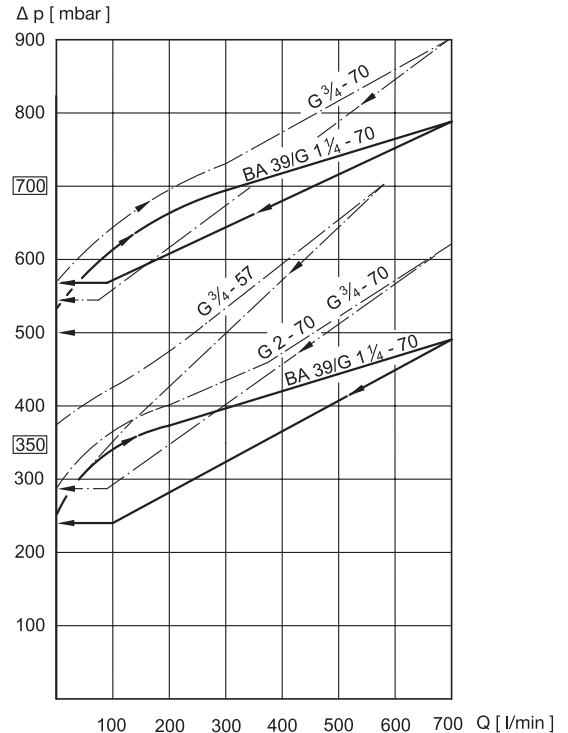
This is achieved by combining two valves (non-return / bypass valve). The inlet valve opens at a vacuum of 30 mbar or greater. The second valves opens at an overpressure $> 350 / 700 \text{ mbar}$.

The air filter prevents the oil from being polluted from the outside (dust). The filter is made of PU foam with a filtration of $40 \mu\text{m}$.

The overpressure inside the container ensures that the air volume flowing in or escaping owing to fluctuations of the oil level is kept to a minimum. This reduces filter fouling and substantially increases the useful filter life, especially in a dusty environment.

Also, a container under pressure has a positive effect on the function of the pump and prevents foaming.

The valve seal ensures that no oil can spill to the outside, neither by excessive agitation in the tank nor during transport.



Pressure curve Δp [mbar] in the container as factor of the air flow rate [l/min.] at a valve opening pressure of 350 or 700 mbar.

3.1
3.2
3.3
3.4
3.5
3.6
3.7
3.8
3.9