

ELESA Original design SFW.

**4 Type**

- A** without dipstick
- B** with dipstick

d <sub>1</sub>	d <sub>2</sub> Thread		Bayonet	Opening pressure in mbar		d <sub>3</sub>	d <sub>4</sub>	d <sub>5</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>
	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
- Seal  
Rubber NBR (Perbunan®)
- Air filter PU-foam (Polyurethane)
  - Filtration 40 µm
  - temperature resistant up to 100 °C
- Dipstick  
Steel, phosphated
- *Elastomer characteristics* → Page XYZ
- *Plastic characteristics* → Page XYZ
- RoHS

**On request**

- Level markings / Special lengths GN 109  
→ Page 1425

**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.

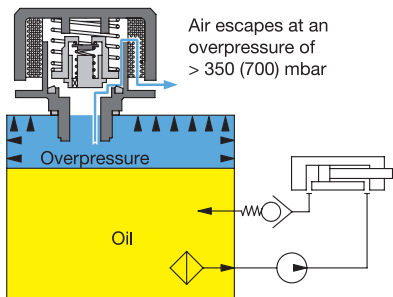
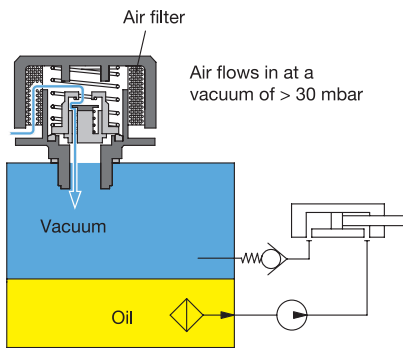
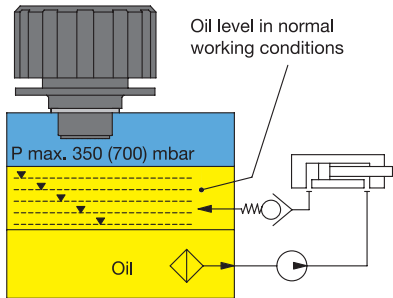
The bayonet version is fitted with a chain to avoid losing it.

MAX-MIN lines can easily be marked on the two flat sides of the dipstick (see GN 109 → Page 1425).

see also...

- *Filler strainer GN 664 / GN 664.1* → Page XYZ

How to order		1	d <sub>1</sub>
		2	d <sub>2</sub>
		3	Opening pressure
		4	Type



### Function

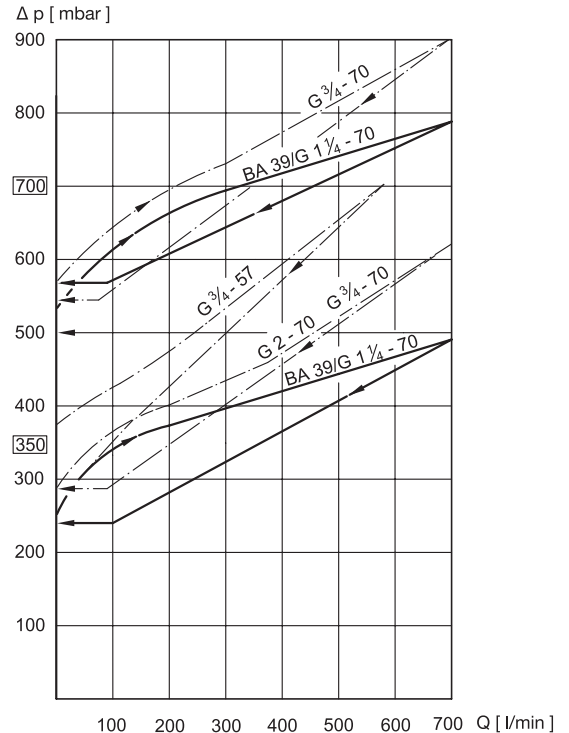
Breather caps GN 774 with double valve are normally used if the oil container is under pressure and if outside air has to flow back in to compensate for the vacuum caused by falling oil level.

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 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 µm.

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 will leak even if the oil is heavily agitated or during transport.



Pressure curve  $\Delta p$  [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  
3.10