

- 4 Type**
- A Without dipstick
  - B With dipstick

**Metric table**

1 d <sub>1</sub>	2 d <sub>2</sub> Pipe thread		3 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 2.24	G 3/4	-	350   700*	35 1.38	16 0.63	56 2.20	13 0.51	6 0.24	48 1.89	-	-	-
70 2.76	G 3/4	G 3/4	350   700*	35 1.38	16 0.63	68 2.68	15 0.59	6 0.24	63 2.48	-	-	188 7.40
70 2.76	G 1 1/4	G 1 1/4	350   700*	-	25 0.98	68 2.68	17 0.67	-	59 2.32	-	-	195 7.68
70 2.76	G 2	-	350   700*	-	25 0.98	68 2.68	17 0.67	-	59 2.32	-	-	-
70 2.76	-	-	350   700*	-	25 0.98	68 2.68	-	-	-	14 0.55	56 2.20	195 7.68

\*Not available from stock, requires a minimum order quantity

**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

**Information**

For function and operational criteria of EN 774 breather valve caps with double valve, see description of function.

Breather valve 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.

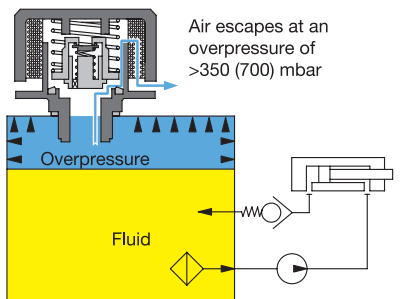
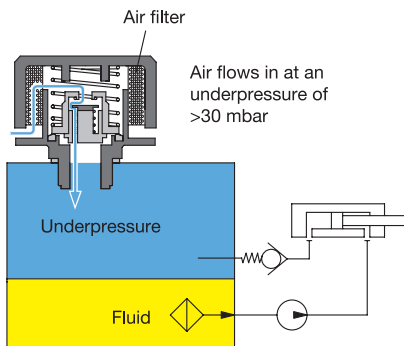
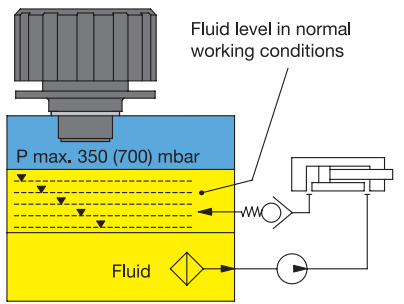
The bayonet mount version can be secured against loss by means of the chain.

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](http://www.jwwinco.com)
- *Safety Breather Valve Caps EN 775* → [www.jwwinco.com](http://www.jwwinco.com)
- *Breather Valve Caps EN 764* → [www.jwwinco.com](http://www.jwwinco.com)

How to order	1 Diameter d <sub>1</sub>
1 2 3 4 <b>EN 774-57-G3/4-350-A</b>	2 Pipe thread d <sub>2</sub> (Bayonet mount d <sub>2</sub> )
	3 Opening pressure
	4 Type



**Description of function**

EN 774 breather valve caps with double valve are normally used when the fluid container is under pressure, yet air has to flow in from the outside in case of underpressure (decreasing fluid level).

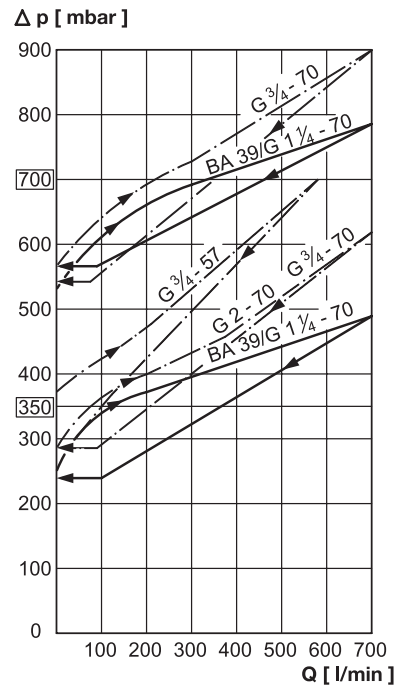
This is achieved by combining two valves (check / bypass valve). The inlet valve allows air to enter at an underpressure of 30 mbar or higher. The second valve only opens at an overpressure of > 350 / 700 mbar.

The air filter prevents contamination of the fluid from outside (dust). It is made of PU foam with a grade of filtration of 40 µm.

The overpressure inside the container ensures that the air volume, which is flowing in or escaping due to the fluctuating fluid level, is kept to a minimum. This reduces filter fouling and substantially increases the service life, especially in dusty environments.

In addition, a pressurized container has a positive effect on the function of the pump and prevents the formation of foam.

The valve seal ensures that no fluid will leak, especially if the fluid is strongly moved or during transport.



Pressure gradient  $\Delta p$  [mbar] in the container as a function of the air flow rate [l/min] at a valve opening pressure of 350 or 700 mbar.