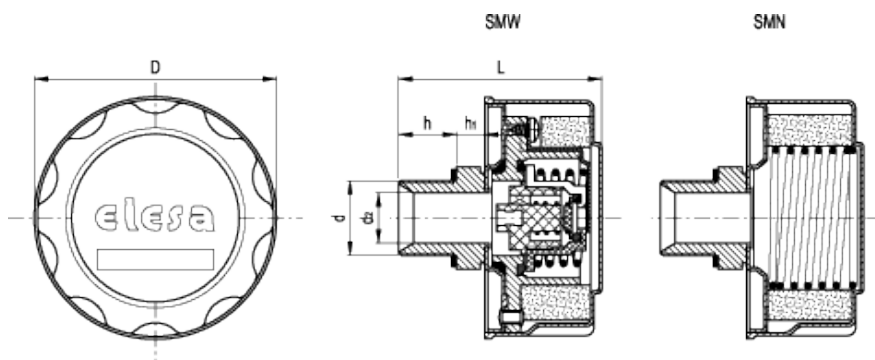


# SMN. SMW.

Breather caps or double-valve breather caps  
with threaded connector



## technical informations

### Cover

Steel sheet, with chrome plating superficial treatment.

### Flange

Zinc-plated steel sheet.

### Threaded connector

Zinc-plated steel.

### Flat packing ring

NBR synthetic rubber (only GAS execution).

### Double-valve (execution SMW.)

Technopolymer with NBR synthetic rubber O-ring, stainless steel springs, fitted to the valve body by means of a bracket and 2 self-tapping zinc-plated steel screws.

Assembly to the flange by means of 4 aluminium rivets.

Safety valve set at around 0.350 bar (0.700 bar on request).

Suction valve set at around 0.030 bar.

#### Ring-shaped air filter

Tech-foam 40 µ.

Filter setting spring (only for SMN.)

Zinc-plated steel.

#### Maximum continuous working temperature

100°C.

*Special executions on request (For sufficient quantities)*

Dipstick for fluid level indication (only for SMW.).

#### *Features and applications*

SMN. and SMW. breather caps can be used for application on tanks containing oil fluids.

Double-valve breather cap SMW. creates a pressure plenum chamber right above the oil level within the limit conditions in order to avoid any reservoir deformation.

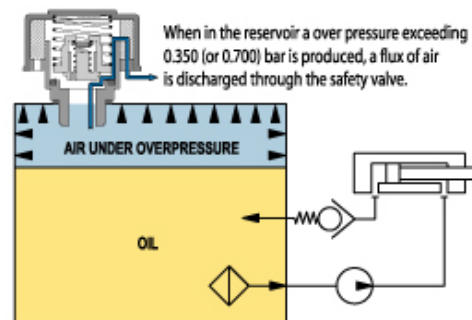
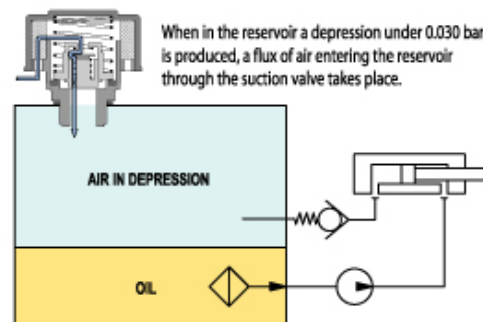
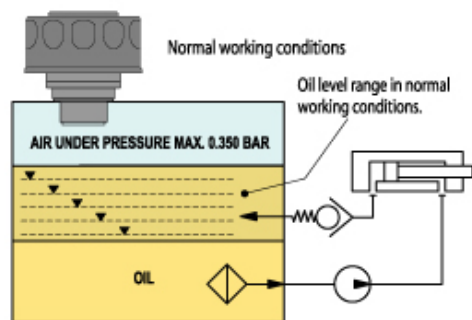
Advantages:

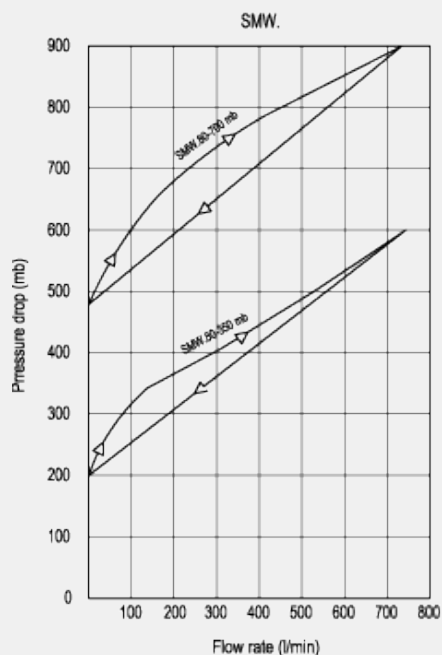
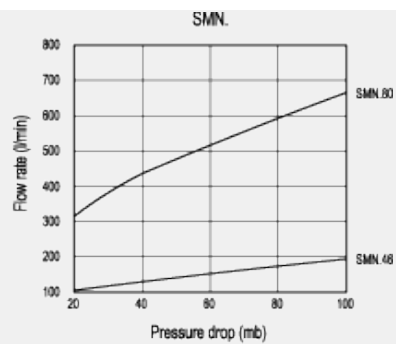
- it reduces reservoir air volume intake keeping clean fluid and filter;
- it improves suction pump action under working conditions reducing cavitation phenomenon;
- it prevents fluid leakage when the system is part of a mobile unit;
- it reduces foam in fluid.

#### *Technical data*

Air flow rate for the different executions of breather caps can be obtained from the diagram on the basis of the difference of air pressure inside and outside the reservoir.

## SMW. pressurised breather cap functioning in a hydraulic circuit





Standard Elements		Main dimensions						Weight
Code	Description	d	h	D	L	d <sub>2</sub>	h <sub>1</sub>	g
156833	SMN.46-1/4-F40	G 1/4	10	47	51	7	5	57
156883	SMN.80-3/4-F40	G 3/4	16	81	70	17	12	239

Standard Elements		Main dimensions						Weight
Code	Description	d	h	D	L	d <sub>2</sub>	h <sub>1</sub>	g
156983	SMW.80-3/4-F40-350mb	G 3/4	16	81	70	17	12	308



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