

## Pressurised breather caps with double valve and threaded connector, steel

### MATERIAL

- Cover: steel sheet, with chrome plating superficial treatment.
- Flange: zinc-plated steel sheet.
- Threaded connector: zinc-plated steel.

### PACKING RING

NBR synthetic rubber.

### OVERPRESSURE VALVE (ONLY FOR SMW.)

Technopolymer with NBR synthetic rubber O-ring and stainless steel spring.  
Set at around 0.350 bar (0.700 bar on request).

### SUCTION VALVE (ONLY FOR SMW.)

Technopolymer sealing disk with NBR synthetic rubber O-ring and stainless steel spring.  
Set at around 0.030 bar.

### RING-SHAPED AIR FILTER

Tech-foam 40  $\mu$ .

### FILTER SETTING SPRING (ONLY FOR SMN.)

Zinc-plated steel.

### STANDARD EXECUTIONS

- **SMN.**: breather cap.
- **SMW.**: double-valve breather cap.

### MAXIMUM CONTINUOUS WORKING TEMPERATURE

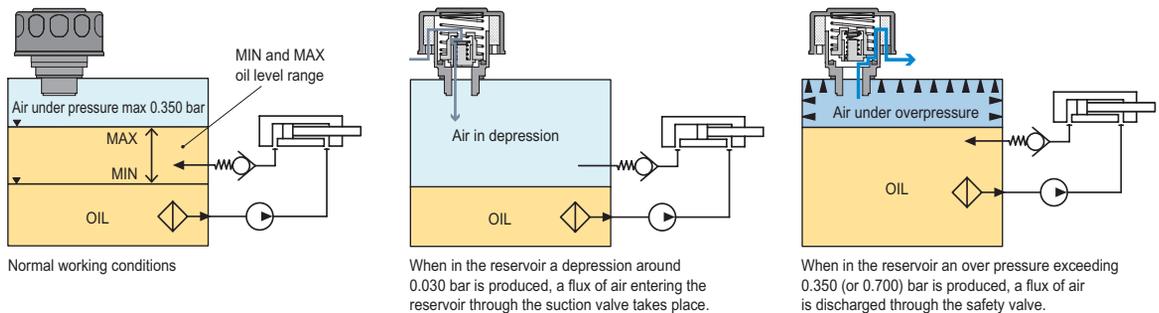
100°C.

### SPECIAL EXECUTIONS ON REQUEST

With dipstick for fluid level indication (only for SMW.).



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



**FEATURES AND APPLICATIONS**

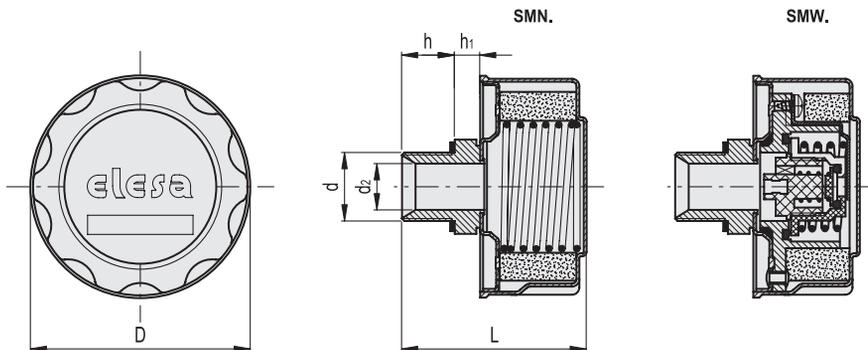
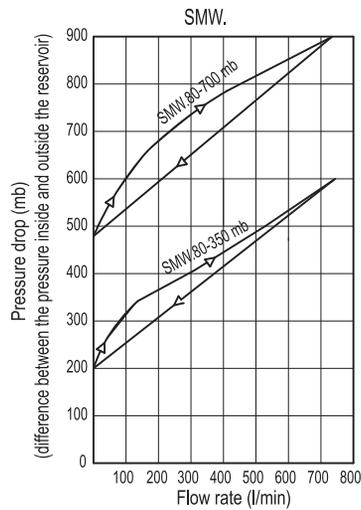
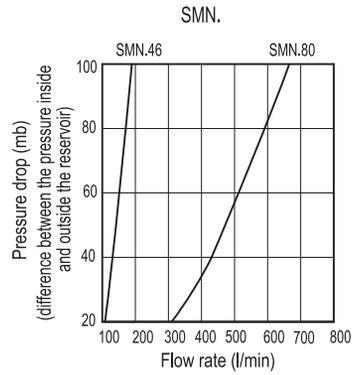
Double-valve breather cap SMW. creates a pressure plenum chamber right above the oil level within given limit conditions in order to avoid any reservoir deformation.

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.



**SMN.**

Code	Description	d	D	L	d2	h	h1	⚖
156833	SMN.46-1/4-F40	G 1/4	47	51	7	10	5	57
156883	SMN.80-3/4-F40	G 3/4	81	70	17	16	12	239

**SMW.**

Code	Description	d	D	L	d2	h	h1	⚖
156983	SMW.80-3/4-F40-350mb	G 3/4	81	70	17	16	12	308

