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**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 µ.

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

Zinc-plated steel.

**STANDARD EXECUTIONS**

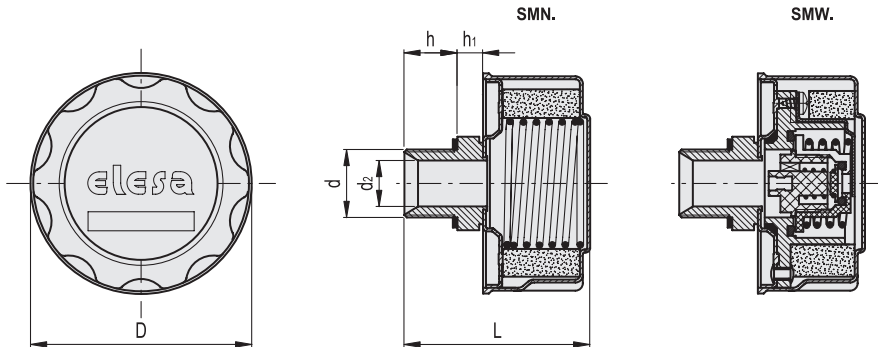
- **SMN.:** breather cap.
- **SMW.:** double-valve breather cap.

**MAXIMUM CONTINUOUS WORKING TEMPERATURE**

100°C.

**SPECIAL EXECUTIONS ON REQUEST**

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



Conversion Table	
1 mm = 0,039 inch	
D	
mm	inch
47	1.85
81	3.19

**SMN.**

**BSP**

**METRIC**

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.**

**BSP**

**METRIC**

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

**FEATURES AND APPLICATIONS**

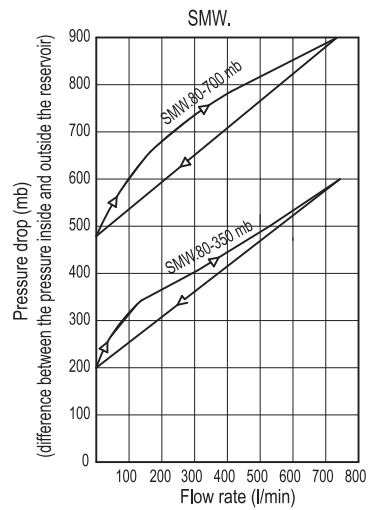
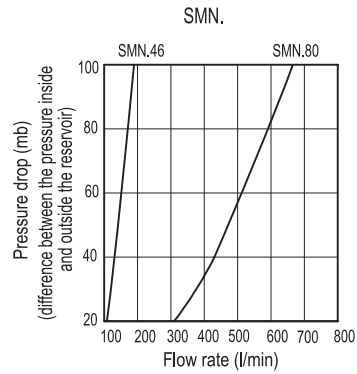
Double-valve breather cap SMW. creates a pressure plenum chamber right above the oil level within given limit conditions in order to avoid any reservoir deformation.

Advantages:

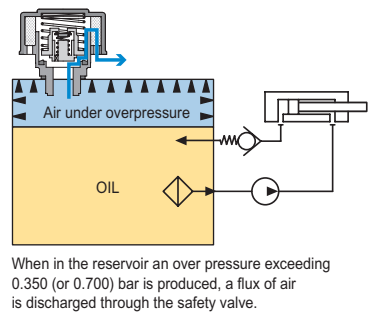
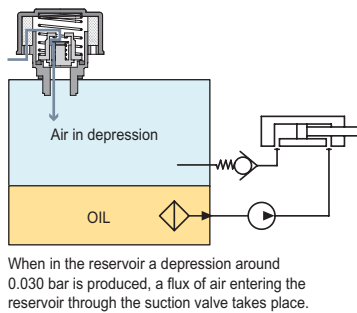
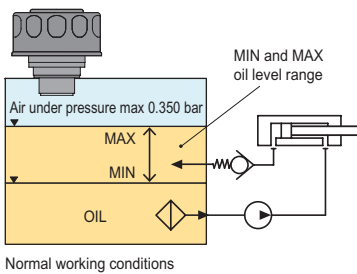
- it reduces reservoir air volume intake keeping clean fluid and filter;
- it improves suction pump action under working conditions reducing cavitation phenomenon;
- it prevents fluid leakage when the system is part of a mobile unit;
- it reduces foam in fluid.

**TECHNICAL DATA**

Air flow rate for each model can be determined from the graph calculating the difference between the pressure inside and outside the reservoir.



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



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Accessories for hydraulic systems