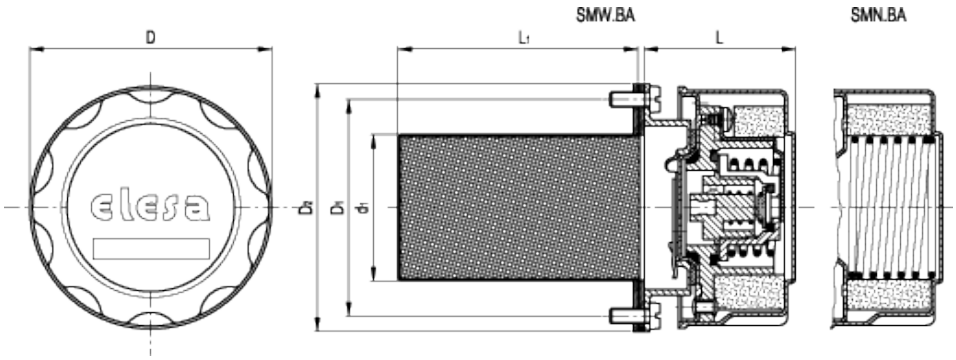
SMN-BA SMW-BA

Breather caps or double-valve breather caps
with bayonet assembly



technical informations

Cover

Steel sheet, with chrome plating superficial treatment.

Flange

Zinc-plated steel sheet.

Double-valve (execution SMW.BA)

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.

Bayonet and flange with bayonet

Zinc-plated steel sheet.

Safety chain

Brass.

Washers

- Execution SMN.46-BA: two flat packing rings in rubber-impregnated cork and one in NBR synthetic rubber.
- Execution SMN.80-BA SMW.80-BA: three flat packing rings in rubber-impregnated cork.

Filtration basket

Zinc-plated steel, degree of filtration 800 µ.

Assembly

By means of six glossy zinc-plated steel screws with screwdriver slot head M5x12, supplied.

Ring-shaped air filter

Tech-foam 40 µ.

Filter setting spring (only for SMN.BA)

Zinc-plated steel.

Maximum continuous working temperature

100°C.

Special executions on request (For sufficient quantities)

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

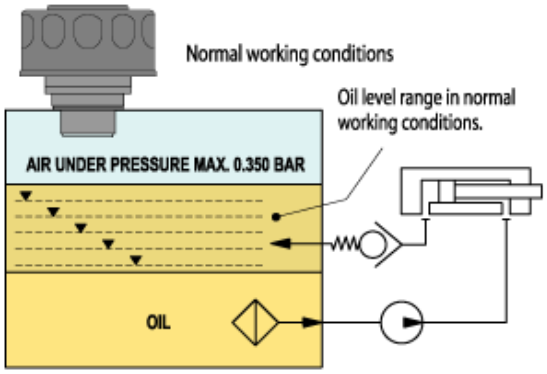
Features and applications

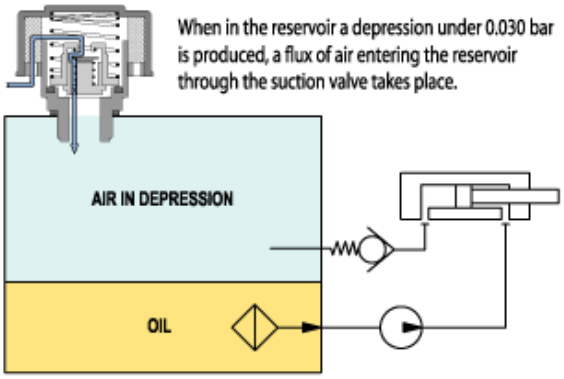
SMN.BA and SMW.BA breather caps can be used on tanks containing oil fluids.
Double-valve breather caps SMW.BA with bayonet assembly creates a pressure plenum chamber right above the oil level within the limit conditions in order to avoid any reservoir deformation.
Advantages:
- it reduces reservoir air 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.

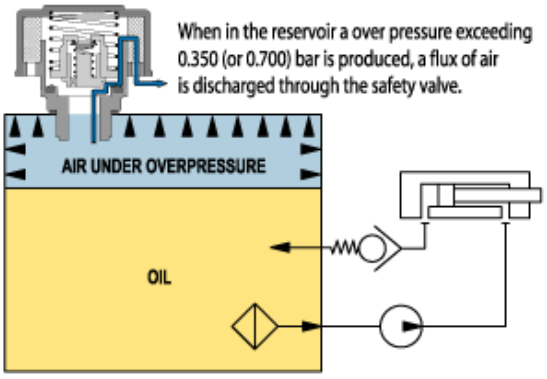
Technical data

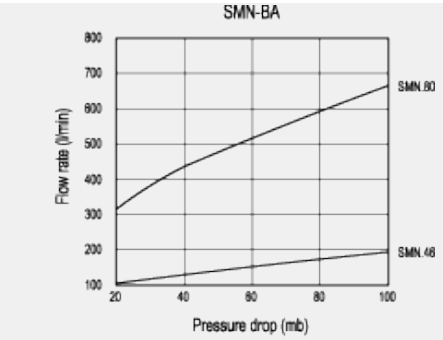
Air flow rate for the different executions of breather caps can be obtained from the diagram on the basis of the difference of air pressure inside and outside the reservoir. Tests carried out without filtration basket.

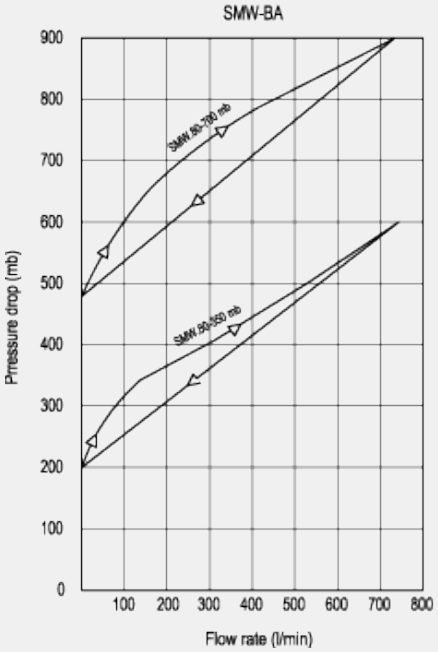
SMW. pressurised breather cap functioning in a hydraulic circuit











Standard Elements		Main dimensions						Weight
Code	Description	D	L	L_1	D_1	D_2	d_1	g
156836	SMN.46-BA-F40	47	42	66	40	52	27	91
156886	SMN.80-BA-F40	81	55	80	72	83	49	370

Standard Elements		Main dimensions						Weight
Code	Description	D	L	L_1	D_1	D_2	d_1	g
156986	SMW.80-BA-F40-350mb	81	55	80	72	83	49	410