# 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 flat washer.

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

**SUCTION VALVE**
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 10 µ or 40 µ.

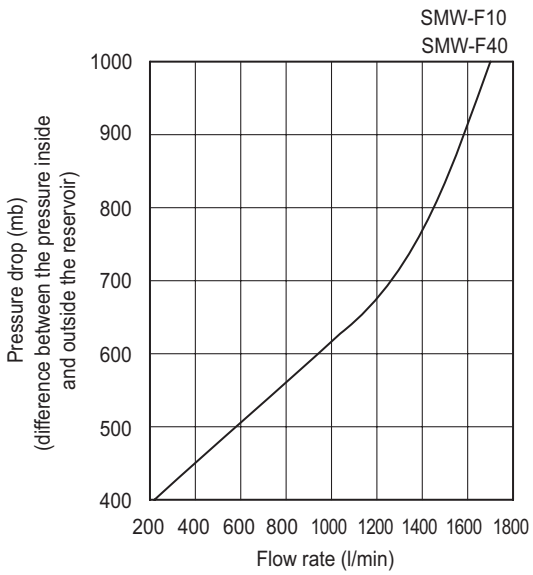
**STANDARD EXECUTIONS**
- **SMW-F10**: air filtration 10 µ.
- **SMW-F40**: air filtration 40 µ.

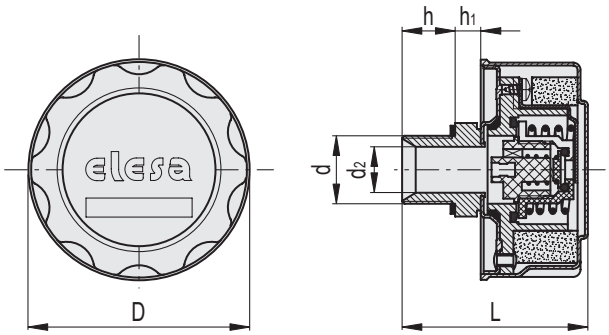
**MAXIMUM CONTINUOUS WORKING TEMPERATURE**
100°C.

**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.

**SPECIAL EXECUTIONS ON REQUEST**
With dipstick for fluid level indication.


**SMW-F10**

| Code | Description | D | d | L | d2 | h | h1 | ⚖ |
|---|---|---|---|---|---|---|---|---|
| 156982 | SMW.80-3/4-F10-350mb | 81 | G 3/4 | 69 | 17 | 16 | 11 | 340 |

**SMW-F40**

| Code | Description | D | d | L | d2 | h | h1 | ⚖ |
|---|---|---|---|---|---|---|---|---|
| 156983 | SMW.80-3/4-F40-350mb | 81 | G 3/4 | 69 | 17 | 16 | 11 | 341 |