SFW. | Pressurised breather caps

with double valve, technopolymer

NPT

RoHS PA +212 °F -22 °F

MATERIAL
Polyamide based (PA) technopolymer.
- Cover: RAL 2004 orange, semi-matte finish, with graphic symbol "valve".
- Threaded connector: black colour, semi-matte finish.

PACKING RING
NBR synthetic rubber.

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

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" polyurethane foam mesh (polyester base), air filtration 40 µ.

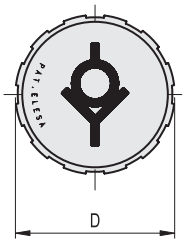
MAXIMUM CONTINUOUS WORKING TEMPERATURE
212°F (100°C).

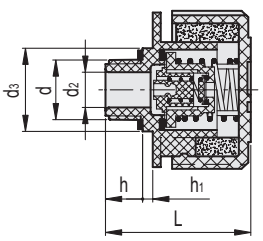
FEATURES
The use of SFW. pressurised breather caps which create a pressure plenum chamber right above the oil level within tested limit conditions, in order to avoid any reservoir deformation, offers the following advantages:
- reduces reservoir air volume intake keeping clean oil and filter
- improves suction pump action during working conditions reducing cavitation phenomenon
- prevents fluid leakage when the system is part of a mobile unit
- 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.

SPECIAL EXECUTIONS ON REQUEST
Black cover.

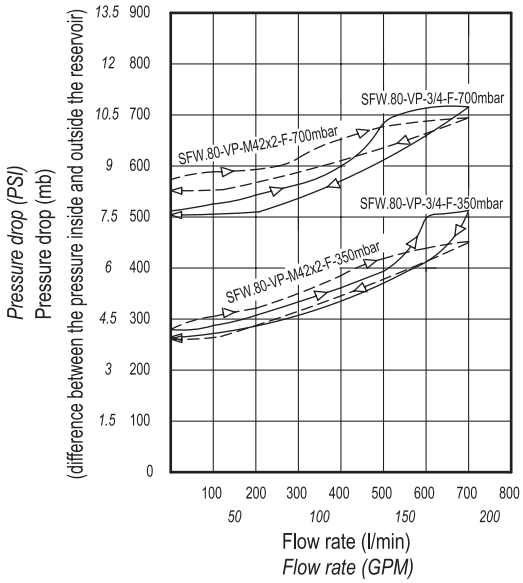
ELESA Original design



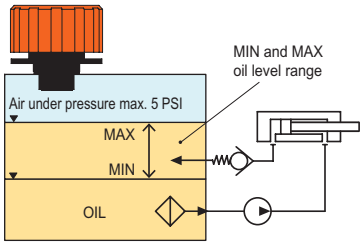


INCH

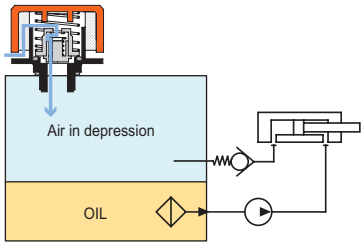
Code	Description	d	D	L	d2	d3	h	h1	⚖
954911	SFW.70-3/4 NPT+F-350 mb	3/4 NPT	2.76	2.48	0.63	1.42	0.59	0.24	0.23



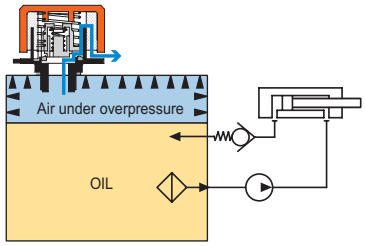
SFW. pressurised breather cap functioning in a hydraulic circuit



Normal working conditions



When in the reservoir a depression around 0.45 PSI is produced, a flux of air entering the reservoir through the suction valve takes place.



When in the reservoir an over pressure exceeding 5 (or 10.5) PSI is produced, a flux of air is discharged through the safety valve.