

Breather caps

with double valve, technopolymer

MATERIAL

Polyamide based (PA) technopolymer.

- Cover: RAL 2004 orange, semi-matte finish, with graphic symbol
- Threaded connector: black colour, semi-matte finish.

PACKING RING

NBR synthetic rubber.

OVERPRESSURE VALVE

Technopolymer with NBR synthetic rubber O-ring and stainless steel

Set at around 0.350 bar.

SUCTION VALVE

Technopolymer sealing disk in NBR synthetic rubber and stainless steel spring.

Set at around 0.030 bar.

AIR FILTER

Thermal-bonded polyester (TBP) filter with low pressure drop and high dust holding capacity

Expected filtration class ISO 16890-1 ISO Rating coarse 75%, EN 779:2012 Class G4, air filtration 10 µ.

MAXIMUM CONTINUOUS WORKING TEMPERATURE 100°C.

SPECIAL EXECUTIONS ON REQUEST

- Black colour cover.
- Overpressure valve set at 0.700 bar.
- Threaded connector also with NPT thread (National Taper Pipe Thread - ANSI-ASME B1-20, (SFW.70-3/4-NPT).

FEATURES

The use of SFW 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:

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



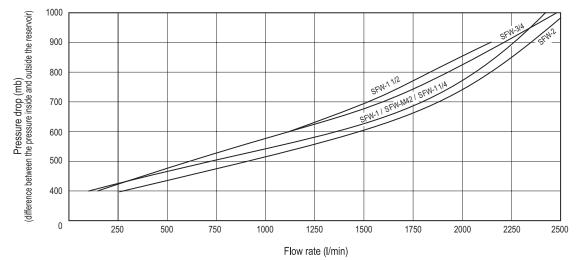
ELESA Original design

TECHNICAL DATA

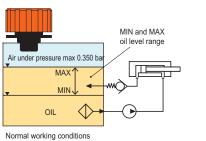
Air flow rate for the different executions of breather caps can be obtained from the diagram on the basis of the difference of air pressure inside and outside the reservoir.

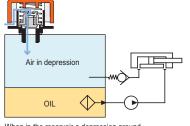
SPECIAL EXECUTIONS ON REQUEST

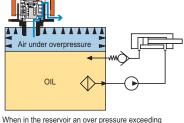
- Black colour cover.
- Overpressure valve set at 0.100 or 0.700 bar.
- Threaded connector also with NPT thread (National Taper Pipe Thread - ANSI-ASME B1-20, (SFW.70-3/4-NPT).



SFW pressurised breather cap functioning in a hydraulic circuit

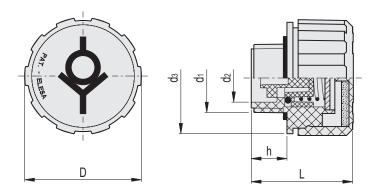






When in the reservoir a depression around 0.030 bar is produced, a flux of air entering the reservoir through the suction valve takes place.

When in the reservoir an over pressure exceeding 0.350 (or 0.700) bar is produced, a flux of air is discharged through the safety valve.



Description	D	L	d 1	d2	d 3	h	44
SFW.70-42x2-FPE-350mb	70	59	M42x2	34	68.5	17	94
SFW.70-3/4+FPE-350mb	70	59	G 3/4	20.5	68.5	16	88
SFW.70-1+FPE-350mb	70	59	G 1	26.5	68.5	17	88
SFW.70-1.1/4+FPE-350mb	70	59	G 1.1/4	34	68.5	17	94
SFW.70-1.1/2+FPE-350mb	70	59	G 1.1/2	41	68.5	17	92
SFW.70-2+FPE-350mb	70	59	G 2	51	68.5	17	98
	SFW.70-42x2-FPE-350mb SFW.70-3/4+FPE-350mb SFW.70-1+FPE-350mb SFW.70-1.1/4+FPE-350mb SFW.70-1.1/2+FPE-350mb	SFW.70-42x2-FPE-350mb 70 SFW.70-3/4+FPE-350mb 70 SFW.70-1+FPE-350mb 70 SFW.70-1.1/4+FPE-350mb 70 SFW.70-1.1/2+FPE-350mb 70	SFW.70-42x2-FPE-350mb 70 59 SFW.70-3/4+FPE-350mb 70 59 SFW.70-1+FPE-350mb 70 59 SFW.70-1.1/4+FPE-350mb 70 59 SFW.70-1.1/2+FPE-350mb 70 59	SFW.70-42x2-FPE-350mb 70 59 M42x2 SFW.70-3/4+FPE-350mb 70 59 G 3/4 SFW.70-1+FPE-350mb 70 59 G 1 SFW.70-1.1/4+FPE-350mb 70 59 G 1.1/4 SFW.70-1.1/2+FPE-350mb 70 59 G 1.1/2	SFW.70-42x2-FPE-350mb 70 59 M42x2 34 SFW.70-3/4+FPE-350mb 70 59 G 3/4 20.5 SFW.70-1+FPE-350mb 70 59 G 1 26.5 SFW.70-1.1/4+FPE-350mb 70 59 G 1.1/4 34 SFW.70-1.1/2+FPE-350mb 70 59 G 1.1/2 41	SFW.70-42x2-FPE-350mb 70 59 M42x2 34 68.5 SFW.70-3/4+FPE-350mb 70 59 G 3/4 20.5 68.5 SFW.70-1+FPE-350mb 70 59 G 1 26.5 68.5 SFW.70-1.1/4+FPE-350mb 70 59 G 1.1/4 34 68.5 SFW.70-1.1/2+FPE-350mb 70 59 G 1.1/2 41 68.5	SFW.70-42x2-FPE-350mb 70 59 M42x2 34 68.5 17 SFW.70-3/4+FPE-350mb 70 59 G 3/4 20.5 68.5 16 SFW.70-1+FPE-350mb 70 59 G 1 26.5 68.5 17 SFW.70-1.1/4+FPE-350mb 70 59 G 1.1/4 34 68.5 17 SFW.70-1.1/2+FPE-350mb 70 59 G 1.1/2 41 68.5 17