

**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.

**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.

**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:

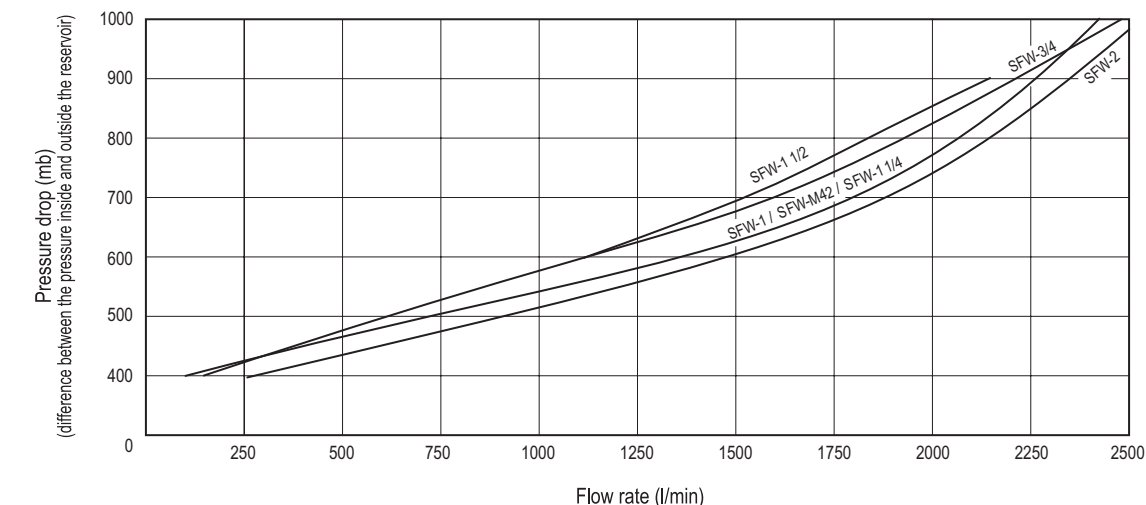
- reduces reservoir air volume intake keeping clean oil and filter
- improves suction pump action during working conditions reducing cavitation phenomenon
- prevents fluid leakage when the system is part of a mobile unit
- it reduces foam in fluid.

**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**

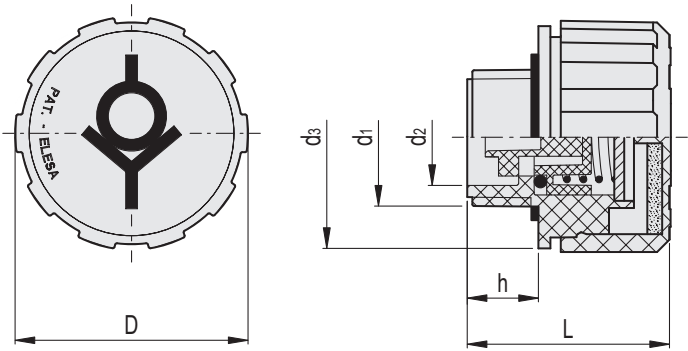
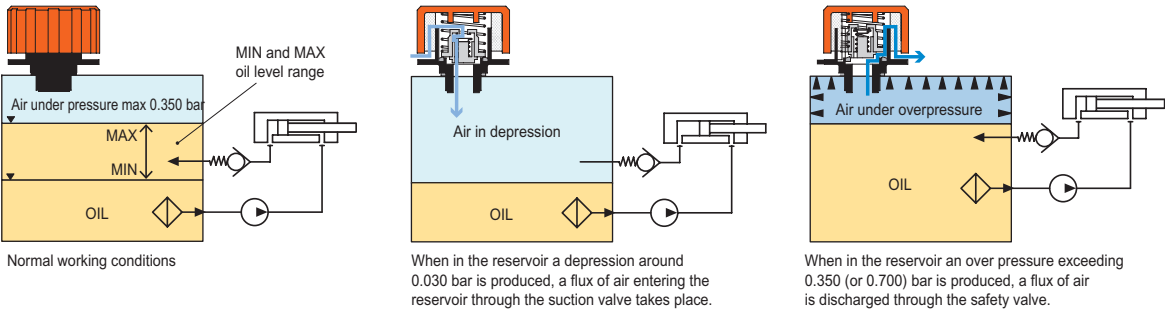
- Black colour cover.
- Overpressure valve set at 0.700 bar.
- Threaded connector also with NPT thread (National Taper Pipe Thread - ANSI-ASME B1-20, (SFW.70-3/4-NPT).



ELESA Original design



SFW. pressurised breather cap functioning in a hydraulic circuit



Conversion Table	
1 mm = 0.039 inch	
D	
mm	inch
70	2.73

		METRIC						
Code	Description	D	L	d1	d2	d3	h	⚖
54889	SFW.70-42x2-FPE-350MB	70	59	M42x2	35	68.5	17	94
54891	SFW.70-3/4+FPE-350MB	70	59	G 3/4	20.5	68.5	17	88
54893	SFW.70-1+FPE-350MB	70	59	G 1	26.5	68.5	17	88
54895	SFW.70-1.1/4+FPE-350MB	70	59	G 1.1/4	35	68.5	17	94
54897	SFW.70-1.1/2+FPE-350MB	70	59	G 1.1/2	41	68.5	17	92
54899	SFW.70-2+FPE-350MB	70	59	G 2	52.5	68.5	17	98