

**1 MATERIAL**

Polyamide based (PA) technopolymer.

- Cover: RAL 2004 orange, semi-matte finish, with graphic symbol "valve".
- Threaded fitting with splash guard: black, semi-matte finish.

**2 PACKING RING**

NBR synthetic rubber.

**3 OVERPRESSURE VALVE**

Technopolymer with NBR synthetic rubber O-ring and stainless steel spring.

Set at around 0.350 bar.

**4 SUCTION VALVE**

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

Set at around 0.030 bar.

**5 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.

**6 MAXIMUM CONTINUOUS WORKING TEMPERATURE**

100°C.

**7 FEATURES**

The SFW-P cap maintains a reservoir of air under pressure above the oil level within the limits established in the design stage to avoid deformation of the tank walls. Benefits:

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



SFW-P caps are made with a special internal geometry which stops the leakage of the fluid to the outside.

**9 TECHNICAL DATA**

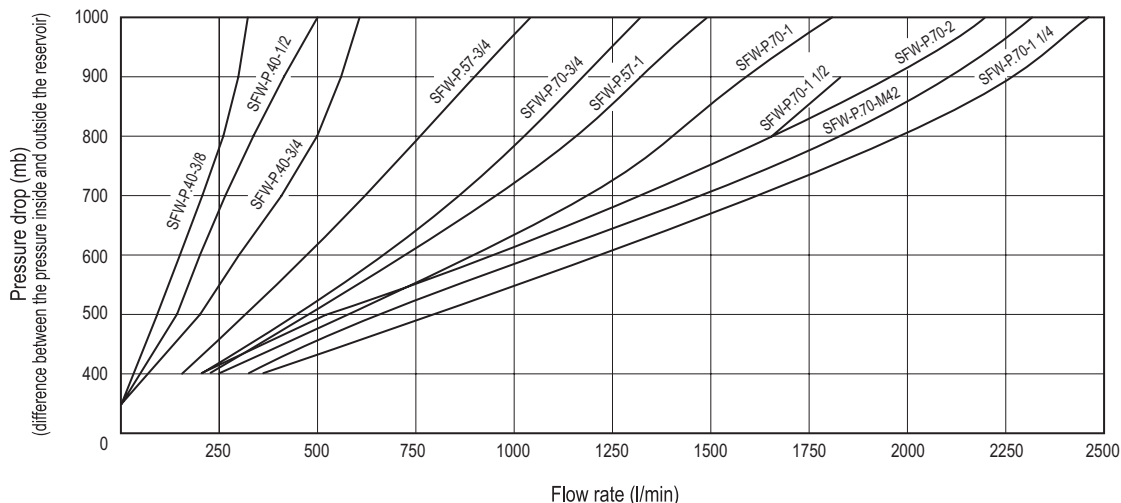
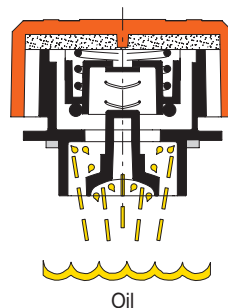
Air flow rate for the different executions of breather caps can be obtained from the diagram on the basis of the difference of air pressure inside and outside the reservoir.

**10 SPECIAL EXECUTIONS ON REQUEST**

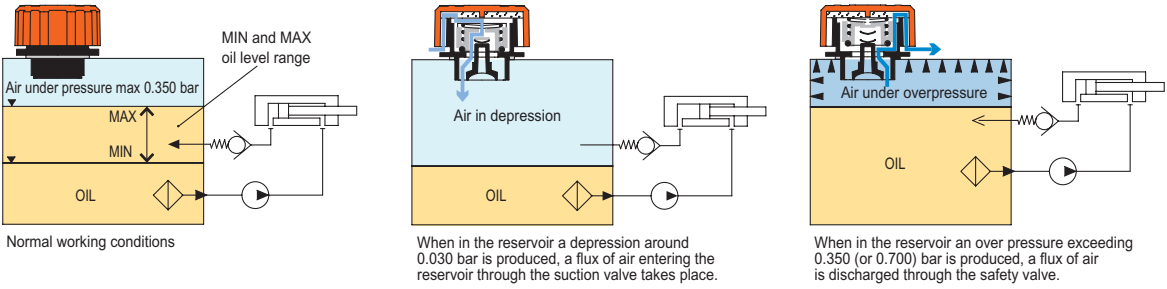
- Black colour cover.
- Overpressure valve set at 0.700 bar.
- Threaded connector also with NPT thread (National Taper Pipe Thread - ANSI-ASME B1-20, (SFW.70-3/4-NPT).

**11****12****13****14****15****16****17****18****19****20**

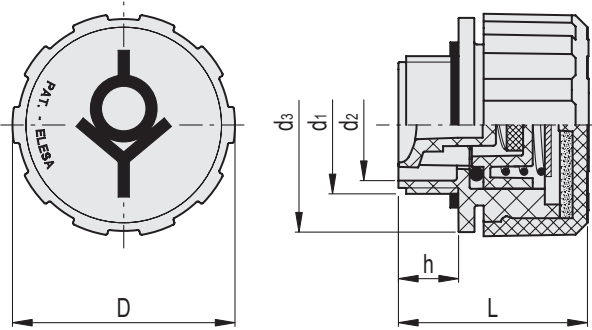
ELESA Original design



SFW-P pressurised breather cap functioning in a hydraulic circuit



Conversion Table	
1 mm = 0.039 inch	
D	
mm	inch
42	1.64
57	2.22
70	2.73



METRIC

Code	Description	D	L	d1	d2	d3	h	⚖
54765	SFW-P.40-M16x1.5+FPE-350MB	42	36	M16x1.5	11.5	40	11.5	31.5
54767	SFW-P.40-M20x1.5+FPE-350MB	42	36	M20x1.5	15	40	11.5	32
54771	SFW-P.40-G3/8+FPE-350mb	42	36	G 3/8	13	40	11.5	41.5
54774	SFW-P.40-G1/2+FPE-350mb	42	36	G 1/2	15	40	11.5	42.5
54777	SFW-P.40-G3/4+FPE-350mb	42	36	G 3/4	21	40	11.5	43.5
54785	SFW-P.57-G3/4+FPE-350mb	57	47.5	G 3/4	19	56	13	62
54787	SFW-P.57-G1+FPE-350mb	57	47.5	G 1	26.5	56	13	63
54789	SFW-P.70-M42x2-FPE-350mb	70	59	M42x2	33.5	68.5	17	96
54791	SFW-P.70-G3/4-FPE-350mb	70	59	G 3/4	20.5	68.5	16	90
54793	SFW-P.70-G1-FPE-350mb	70	59	G 1	26.5	68.5	17	90
54795	SFW-P.70-G1.1/4-FPE-350mb	70	59	G 1.1/4	33.5	68.5	17	96
54797	SFW-P.70-G1.1/2-FPE-350mb	70	59	G 1.1/2	40.5	68.5	17	94
54799	SFW-P.70-G2-FPE-350mb	70	59	G 2	51	68.5	17	100