

## Pressurised breather caps

with double valve, technopolymer

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

### FLAT DIPSTICK

Flat section phosphatised steel.  
On request and for sufficient quantities dipstick can be supplied in different lengths and/or complete with MAX-MIN level lines.

### STANDARD EXECUTIONS

- SFW+F**: without flat dipstick.
- SFW-BA+F**: with zinc-plated steel sheet bayonet, without flat dipstick. Chrome-plated steel safety chain.
- SFW+F+a**: with flat dipstick.
- SFW-BA+F+a**: with zinc-plated steel sheet bayonet and flat dipstick. Chrome-plated steel safety chain.

### MAXIMUM CONTINUOUS WORKING TEMPERATURE

100°C.

### SPECIAL EXECUTIONS ON REQUEST

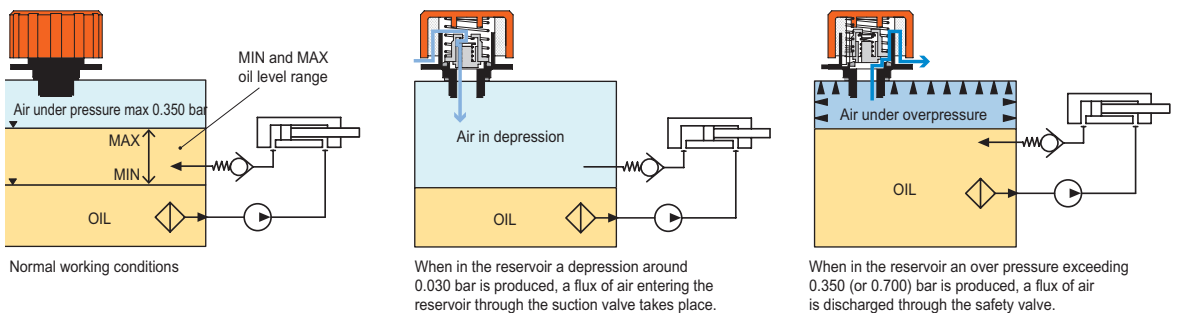
- Black cover.
- Threaded connector also with NPT thread (National Taper pipe Thread - ANSI-ASME B1-20) for the codes marked with # in the table.



ELESA Original design



## SFW. pressurised breather cap functioning in a hydraulic circuit



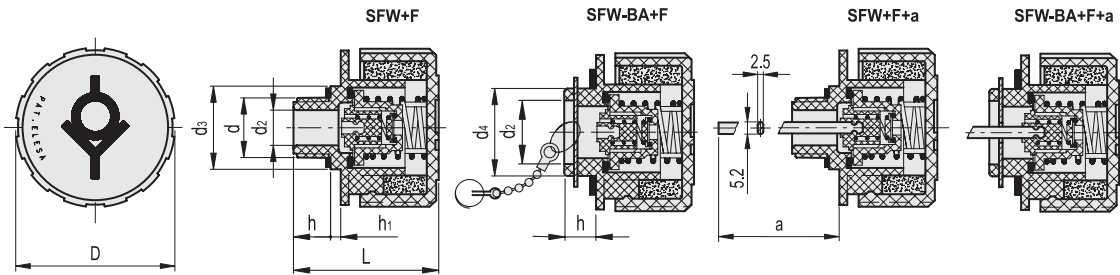
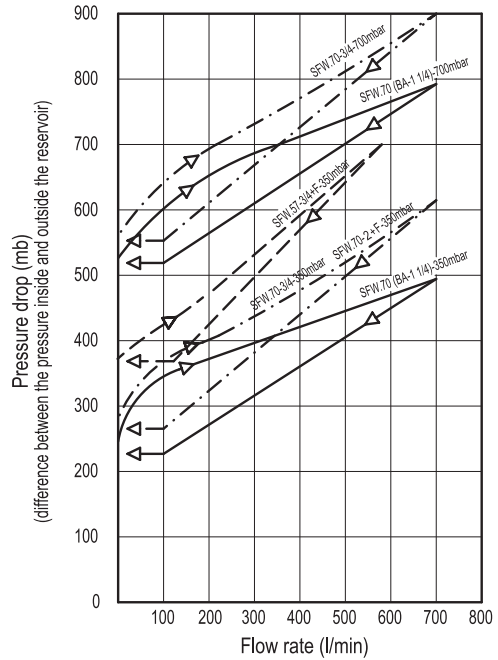
**FEATURES**

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.



**SFW+F**

Code	Description	d	D	L	d2	d3	h	h1	⚖
54801	SFW.57-3/4+F-350 mb	G 3/4	57	48	16	35	13	6	67
54911	SFW.70-3/4+F-350 mb#	G 3/4	70	63	16	35	15	6	98
54921	SFW.70-1¼+F-350 mb	G1 1/4	70	59	23	-	17	-	101
54931	SFW.70-2+F-350 mb	G 2	70	59	23	-	17	-	108

**SFW-BA+F**

Code	Description	D	L	d2	d4	h	⚖
54941	SFW.70-BA+F-350 mb	70	56	30	39	14	105

**SFW-BA+F+a**

Code	Description	D	L	d2	d4	h	a	⚖
54943	SFW.70-BA+F+a-350 mb	70	56	30	39	14	195	124

**SFW+F+a**

Code	Description	d	D	L	d2	d3	h	h1	a	⚖
54913	SFW.70-3/4+F+a-350 mb#	G 3/4	70	63	16	35	15	6	188	117
54923	SFW.70-1¼+F+a-350 mb	G1 1/4	70	59	23	-	17	-	195	120

# Types available on request with NPT thread (National Taper pipe Thread - ANSI-ASME B1-20).

