

SFW. Pressurised breather caps

with double valve, technopolymer



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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.

MAXIMUM CONTINUOUS WORKING TEMPERATURE

100°C.

SPECIAL EXECUTIONS ON REQUEST

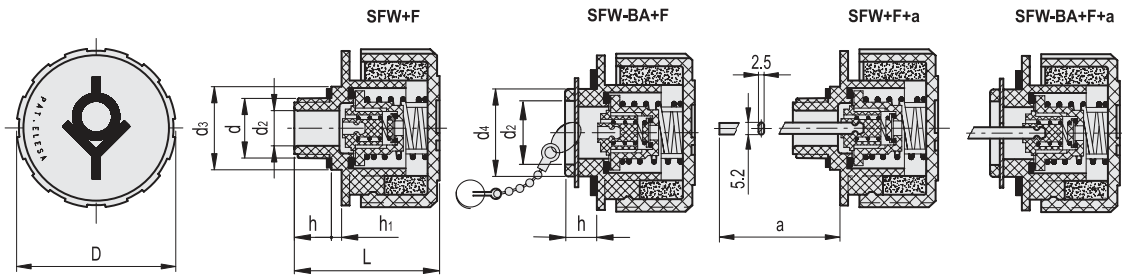
- Black cover.
- Threaded connector also with NPT thread (National Taper Pipe Thread - ANSI-ASME B1-20) for the codes marked with # in the table.



ELESA Original design



Conversion Table	
1 mm = 0.039 inch	
R	
mm	inch
57	2.24
70	2.76



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

Accessories for hydraulic systems

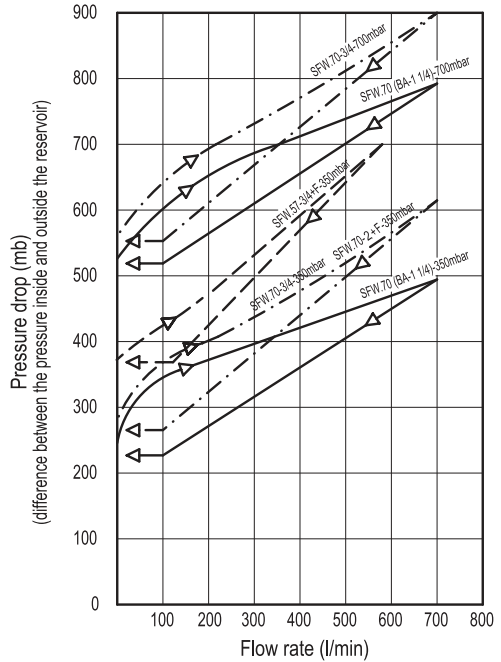
FEATURES

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:

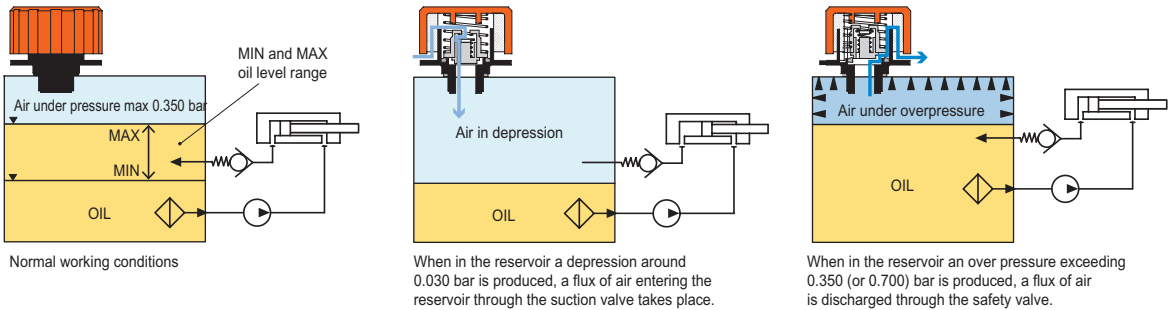
- reduces reservoir air volume intake keeping clean oil and filter
- improves suction pump action during working conditions reducing cavitation phenomenon
- prevents fluid leakage when the system is part of a mobile unit
- reduces foam in fluid.

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. pressurised breather cap functioning in a hydraulic circuit



Conversion Table	
1 mm = 0.039 inch	
D	
mm	inch
57	2.24
70	2.76

SFW+F+a

BSP

METRIC

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.70-1/4+F+a-350 mb	G1 1/4	70	59	23	-	17	-	195	120

SFW-BA+F+a

METRIC

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

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

