

# SFN.

## Breather caps



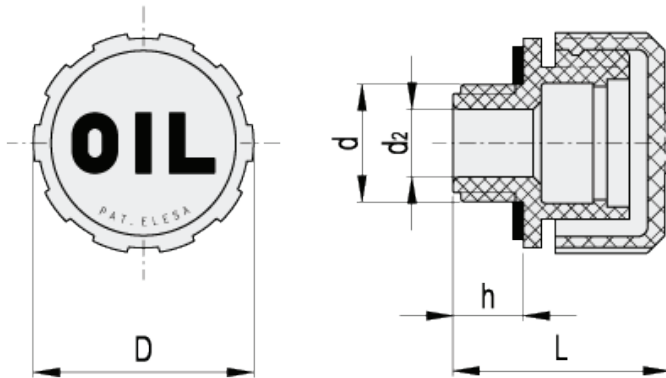
ELESA Original design



PA +210°F  
-20°F

BSP NPT

SFN.

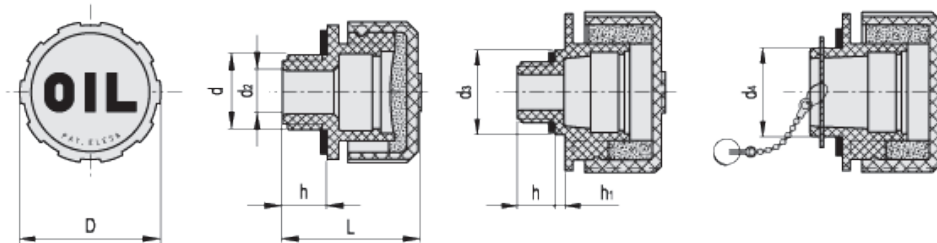


SFN+F  
(D=1.22-1.65-2.24)

SFN+F  
(D=2.76)

SFN.70-BA+F

american unit  
metric unit

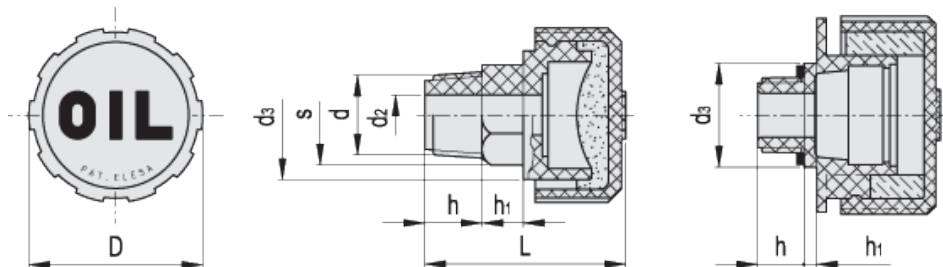


Elesa Standards		Main dimensions								Weight
Code	Description	d	h	D	L	d <sub>2</sub>	d <sub>3</sub>	d <sub>4</sub>	h <sub>1</sub>	lbs g
56156	SFN.30-1/4+F	- G 1/4	0.37 9.5	1.22 31	1.16 29.5	0.31 8	- -	- -	- -	0.022 10
56161	SFN.30-3/8+F	- G 3/8	0.37 9.5	1.22 31	1.16 29.5	0.39 10	- -	- -	- -	0.022 10
56171	SFN.30-1/2+F	- G 1/2	0.37 9.5	1.22 31	1.16 29.5	0.47 12	- -	- -	- -	0.024 11
56191	SFN.40-3/8+F	- G 3/8	0.45 11.5	1.65 42	1.44 36.5	0.39 10	- -	- -	- -	0.042 19
56211	SFN.40-1/2+F	- G 1/2	0.45 11.5	1.65 42	1.44 36.5	0.47 12	- -	- -	- -	0.044 20
56221	SFN.40-3/4+F	- G 3/4	0.45 11.5	1.65 42	1.44 36.5	0.67 17	- -	- -	- -	0.044 20
56231	SFN.40-1+F	- G 1	0.45 11.5	1.65 42	1.44 36.5	0.71 18	- -	- -	- -	0.046 21
56251	SFN.57-3/4+F	- G 3/4	0.55 14	2.24 57	1.65 42	0.71 18	- -	- -	- -	0.081 37
56271	SFN.57-1+F	- G 1	0.55 14	2.24 57	1.65 42	0.91 23	- -	- -	- -	0.084 38
56281	SFN.57-1¼+F	- G 1¼	0.63 16	2.24 57	1.73 44	1.1 28	- -	- -	- -	0.086 39
56291	SFN.57-1½+F	- G 1½	0.63 16	2.24 57	1.73 44	1.1 28	- -	- -	- -	0.088 40
54701	SFN.70-3/4+F	- G 3/4	0.59 15	2.76 70	2.48 63	0.63 16	1.38 35	- -	0.24 6	0.167 76
54711	SFN.70-1¼+F	- G 1¼	0.67 17	2.76 70	2.32 59	0.91 23	- -	- -	- -	0.17 77
56391	SFN.70-2+F	- G 2	0.67 17	2.76 70	2.32 59	0.91 23	- -	- -	- -	0.181 82
54731	SFN.70-BA+F	- -	0.55 14	2.76 70	2.2 56	0.91 23	- -	1.54 39	- -	0.187 85

SFN-NPT+F  
(D=1.22-1.65-2.24)

SFN-NPT+F  
(D=2.76)

american unit  
metric unit



Elesa Standards		Main dimensions								Weight
Code	Description	d	h	D	L	d <sub>2</sub>	d <sub>3</sub>	h <sub>1</sub>	s	lbs g
956156	SFN.30-1/4 NPT+F	1/4 NPT -	0.39 10	1.22 31	1.38 35	0.28 7	0.79 20	0.28 7	5/8 -	0.022 10
956181	SFN.40-1/4 NPT+F	1/4 NPT -	0.39 10	1.65 42	1.54 39	0.28 7	1.18 30	0.28 7	5/8 -	0.044 20
956191	SFN.40-3/8 NPT+F	3/8 NPT -	0.59 15	1.65 42	1.73 44	0.31 8	1.18 30	0.28 7	3/4 -	0.046 21
956211	SFN.40-1/2 NPT+F	1/2 NPT -	0.67 17	1.65 42	1.81 46	0.47 12	1.18 30	0.28 7	1 -	0.048 22
956221	SFN.40-3/4 NPT+F	3/4 NPT -	0.71 18	1.65 42	1.81 46	0.67 17	1.18 30	0.28 7	1 1/8 -	0.051 23
956251	SFN.57-3/4 NPT+F	3/4 NPT -	0.71 18	2.24 57	1.97 50	0.63 16	1.54 39	0.28 7	1 1/8 -	0.088 40
954701	SFN.70-3/4 NPT+F	3/4 NPT -	0.59 15	2.76 70	2.48 63	0.63 16	1.38 35	0.24 6	- -	0.17 77

### Material

Polyamide based (PA) technopolymer. Resistant to solvents, oils, greases and other chemical agents.

- Cover: RAL 2004 orange, semi-matte finish, marked "OIL".

- Threaded connector: black colour, semi-matte finish.

### Flat packing ring

NBR synthetic rubber.

### Standard executions

- **SFN.**: without air filter.

- **SFN+F**: with "tech-foam" air filter in polyurethane foam mesh (polyester base), air filtration 40 µ.

- **SFN.70-BA+F**: with "tech-foam" air filter in polyurethane foam mesh (polyester base), air filtration 40 µ.

Zinc-plated steel sheet bayonet.

Chrome-plated steel safety chain.

### Maximum continuous working temperature

248°F (120°C) for execution without air filter.

212°F (100°C) for execution with "tech-foam" air filter.

### Special executions on request

- Cover, RAL 2004 orange, without "OIL" mark.

- Black cover with or without "OIL" mark.

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

### Features and applications

SFN. breather caps, owing to their high air flow rate, are particularly suitable for use on hydraulic power packs or tanks subject to rapid changes in liquid volume.

### 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.

