

SFP.

ELESA Original design

BSP

METRIC

Breather caps with splash guard



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, semi-matte finish.

Flat packing ring

NBR synthetic rubber

Splash guard

Technopolymer

Standard executions

- SFP: without air filter (black splash guard).
- SFP+F: with "tech-foam" air filter in polyurethane foam mesh (polyester base), air filtration 40 μ (grey splash guard) or with "tech-fil" air filter in zinc-plated steel wire (orange splash guard).
- SFP.70-BA+F: with "tech-foam" air filter in polyurethane foam mesh (polyester base), air filtration 40 μ (grey splash guard).

Zinc-plated steel sheet bayonet.

Chrome-plated steel safety chain.

Maximum continuous working temperature

100°C.

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

SFP breather caps come complete with splash guard device (ELESA original design) that prevents oil loss and are particularly suitable for use where oil is violently agitated and could be splashed against breather cap.

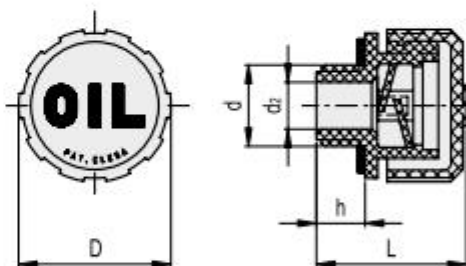
Technical data

Air flow rate for each model can be determined from the graph calculating the difference between the pressure inside and outside the reservoir.



| Conversion Table | |
|-------------------|------|
| 1 mm = 0.039 inch | |
| D | |
| mm | inch |
| 31 | 1.22 |
| 42 | 1.65 |
| 57 | 2.24 |
| 70 | 2.76 |

SFP.



SFP.

metric units

| Elesa Standards | | Main dimensions | | | | | ΔD |
|-----------------|---------------|-----------------|------|----|------|----|------------|
| Code | Description | d | h | D | L | d2 | g |
| 53941 | SFP.30-16x1.5 | M16x1.5 | 9.5 | 31 | 29.5 | 10 | 10 |
| 53961 | SFP.30-18x1.5 | M18x1.5 | 9.5 | 31 | 29.5 | 10 | 10 |
| 53981 | SFP.30-20x1.5 | M20x1.5 | 9.5 | 31 | 29.5 | 12 | 11 |
| 53991 | SFP.30-22x1.5 | M22x1.5 | 9.5 | 31 | 29.5 | 12 | 11 |
| 53935# | SFP.30-1/4 | G 1/4 | 9.5 | 31 | 29.5 | 8 | 10 |
| 54001 | SFP.30-3/8 | G 3/8 | 9.5 | 31 | 29.5 | 10 | 11 |
| 54101 | SFP.30-1/2 | G 1/2 | 9.5 | 31 | 29.5 | 12 | 11 |
| 56651# | SFP.40-3/8 | G 3/8 | 11.5 | 42 | 36.5 | 10 | 20 |
| 56671# | SFP.40-1/2 | G 1/2 | 11.5 | 42 | 36.5 | 12 | 22 |
| 54201# | SFP.40-3/4 | G 3/4 | 11.5 | 42 | 36.5 | 18 | 22 |
| 54301 | SFP.40-1 | G 1 | 11.5 | 42 | 36.5 | 18 | 22 |
| 56701# | SFP.57-3/4 | G 3/4 | 14 | 57 | 42 | 18 | 40 |
| 56731 | SFP.57-1 | G 1 | 14 | 57 | 42 | 23 | 40 |
| 54401 | SFP.57-1 1/4 | G 1 1/4 | 16 | 57 | 44 | 32 | 41 |
| 54501 | SFP.57-1 1/2 | G 1 1/2 | 16 | 57 | 44 | 32 | 45 |
| 54876 | SFP.70-2 | G 2 | 17 | 70 | 59 | 23 | 82 |

SFP-EX

ELESA Original design



Breather caps with splash guard



- **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.
- **Splash guard**
Technopolymer.
- **Standard executions**
 - SFP-EX: without air filter (black splash guard).
 - SFP+F-EX: with "tech-foam" air filter in polyurethane foam mesh (polyester base), air filtration 40 µ (grey splash guard).

ATEX directive compliance

The breather caps of the SFP-EX series comply with Health and Safety Requirements intended in 94/9/EC ATEX European Directive (explosive atmospheres) for equipments in Group II, category 2GD.

II 2 G D IIB T6, marked on the SFP-EX breather caps, represents the identification according to ATEX directive.

II: group of substances for which the product is suitable

2: identification of the category

G: identification of the type of explosive atmosphere (Gases or vapours)

D: identification of the type of explosive atmosphere (Dust)

IIB: group of explosive gases

T6: temperature class

Ambient and/or fluid temperature: +30 + +80°C

The declaration of conformity to European Directives of this product is available and it is part of the product itself.

Features and applications

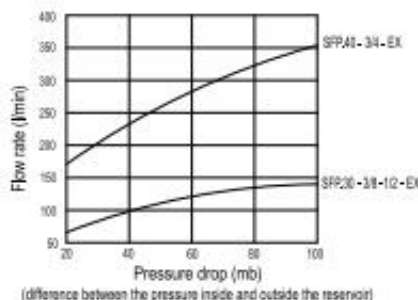
SFP-EX breather caps come complete with splash guard device (ELESA original design) that prevents oil loss and are particularly suitable for use where oil is violently agitated and could be splashed against breather cap.

Technical data

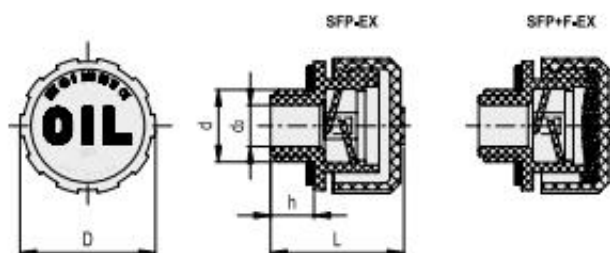
Air flow rate for each model can be determined from the graph calculating the difference between the pressure inside and outside the reservoir.



Operating layout



| Conversion Table | |
|-------------------|------|
| 1 mm = 0.039 inch | |
| D | |
| mm | inch |
| 31 | 1.22 |
| 42 | 1.65 |



SFP-EX

metric units

| Elesa Standards | | Main dimensions | | | | | | ΔΔ |
|-----------------|---------------|-----------------|------|----|------|----|----|----|
| | | D | | | | | | |
| Code | Description | d | h | D | L | d2 | g | |
| 54001-EX | SFP.30-3/8-EX | G 3/8 | 9.5 | 31 | 29.5 | 10 | 11 | |
| 54101-EX | SFP.30-1/2-EX | G 1/2 | 9.5 | 31 | 29.5 | 12 | 11 | |
| 54201-EX | SFP.40-3/4-EX | G 3/4 | 11.5 | 42 | 36.5 | 18 | 22 | |

SFP+F-EX

metric units

| Elesa Standards | | Main dimensions | | | | | | ΔΔ |
|-----------------|-----------------|-----------------|------|----|------|----|----|----|
| | | D | | | | | | |
| Code | Description | d | h | D | L | d2 | g | |
| 54022-EX | SFP.30-3/8+F-EX | G 3/8 | 9.5 | 31 | 29.5 | 10 | 13 | |
| 54122-EX | SFP.30-1/2+F-EX | G 1/2 | 9.5 | 31 | 29.5 | 12 | 15 | |
| 54222-EX | SFP.40-3/4+F-EX | G 3/4 | 11.5 | 42 | 36.5 | 18 | 28 | |