

MATERIAL

Polyamide based (PA) technopolymer.
- Cover: RAL 1021 yellow colour, semi-matte finish.
- Threaded connector: black colour, semi-matte finish.

PACKING RING

NBR synthetic rubber.

SPLASH GUARD

Technopolymer.

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

- **SFP+a-EX**: without air filter.
- **SFP+F FOAM+a-EX**: with "tech-foam" air filter in polyurethane foam mesh (polyester base, air filtration 40 µ).

ATEX DIRECTIVE COMPLIANCE

SFP+a-EX breather caps comply with the Essential Health and Safety Requirements of the European ATEX Directive 2014/34/ EU (explosive atmospheres) for Group II devices, category 2GD.
II 2GD Ex h X: is the breather caps identification marked on the SFP+a-EX product according to ATEX directive
II: group of devices / components suitable for use in surface industry except for mines.
2: ATEX category corresponding to "high" protection level
G: explosive atmosphere of flammable gases or vapors.
D: explosive atmosphere of combustible dusts.
Ex: device / component protected against the ignition of explosive atmospheres.
h: protection mode for non-electric devices / components.
X: special conditions and limitation of use (see Instructions for use).
Ambient and/or fluid temperature: -20 ÷ +80 °C
The documentation concerning the conformity of this product to the European Directives above mentioned and the instructions for use are integral parts of the article itself.

FEATURES AND APPLICATIONS

SFP+a-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. The correct positioning of the article in the design phase is essential to prevent accidental spills of liquid. In particularly heavy use conditions or very dusty environments the filters could progressively deteriorate, compromising the correct functioning of the article. Proper periodic maintenance is recommended.

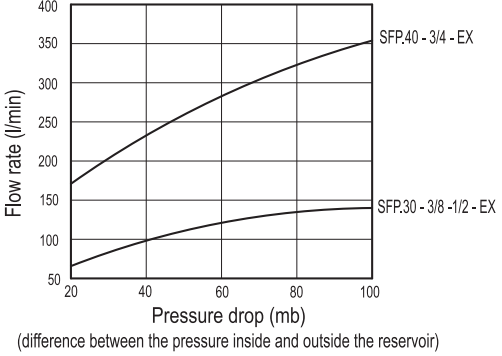
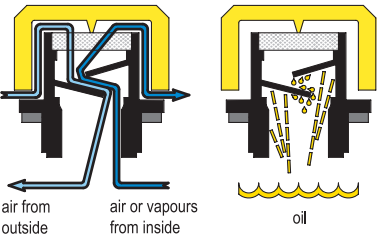
TECHNICAL DATA

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



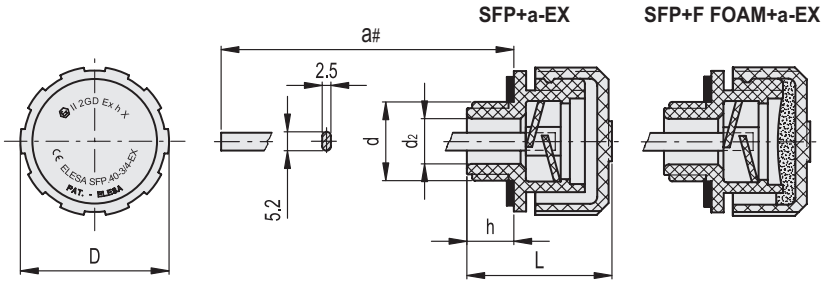
ELESA Original design 

Operating layout





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



SFP+a-EX

BSP

METRIC

Code	Description	D	d	a#	L	d2	h	⚖
53842-R-EX	SFP.30-3/8+a-EX	31	G 3/8	188	29	10	9.5	45
53852-R-EX	SFP.30-1/2+a-EX	31	G 1/2	188	29	12	9.5	44
53862-R-EX	SFP.40-3/4+a-EX	42	G 3/4	184	35.5	18	11.5	58

SFP+F FOAM+a-EX

BSP

METRIC

Code	Description	D	d	a#	L	d2	h	⚖
53848-R-EX	SFP.30-3/8+F FOAM+a-EX	31	G 3/8	188	29	10	9.5	44
53858-R-EX	SFP.30-1/2+F FOAM+a-EX	31	G 1/2	188	29	12	9.5	44
53868-R-EX	SFP.40-3/4+F FOAM+a-EX	42	G 3/4	184	35.5	18	11.5	57

You can choose lengths other than the standard option and/or add MAX-MIN level markings. To request customization, select an item and follow the wizard on the web.