



**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.

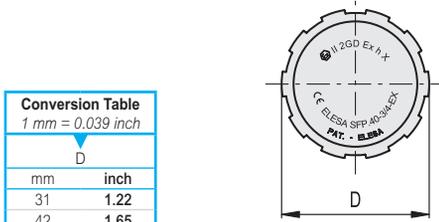
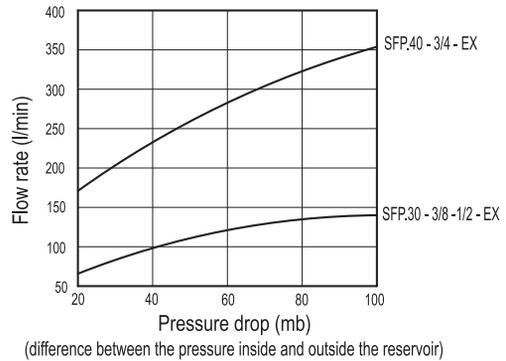
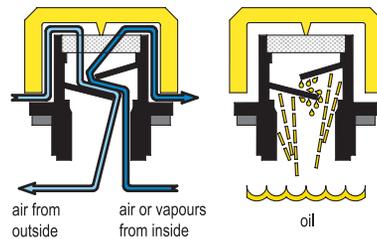
**TECHNICAL DATA**

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



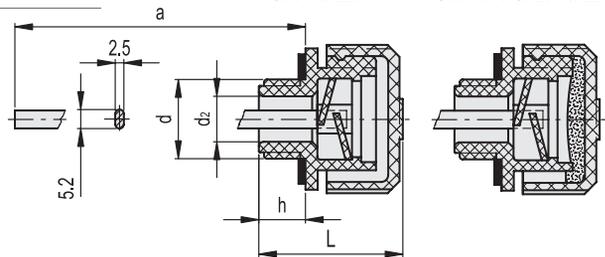
Conversion Table	
1 mm = 0.039 inch	
D	
mm	inch
31	1.22
42	1.65

**BSP**

**METRIC**

**SFP+a-EX**

Code	Description	d	D	L	d2	h	a	ΔΔ
53842-R-EX	SFP.30-3/8+a-EX	G 3/8	31	29.5	10	9.5	188	30
53852-R-EX	SFP.30-1/2+a-EX	G 1/2	31	29.5	12	9.5	188	30
53862-R-EX	SFP.40-3/4+a-EX	G 3/4	42	36.5	18	11.5	184	42



**SFP+a-EX**

**SFP+F FOAM+a-EX**

**SFP+F FOAM+a-EX**

Code	Description	d	D	L	d2	h	a	ΔΔ
53848-R-EX	SFP.30-3/8+F FOAM+a-EX	G 3/8	31	29.5	10	9.5	188	30
53858-R-EX	SFP.30-1/2+F FOAM+a-EX	G 1/2	31	29.5	12	9.5	188	30
53868-R-EX	SFP.40-3/4+F FOAM+a-EX	G 3/4	42	36.5	18	11.5	184	42

**BSP**

**METRIC**

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Accessories for hydraulic systems