

SCS series

Metal air breather filter



Technical data

Air breathers & Filler plugs

Metal air breather filter

Flow rate up to 1330 l/min

SCS is a range of air breathers for protection of the tank against the solid contamination contained into the air.

They are composed of a spin-on filter can screwed on a connection tube, directly fitted on the tank. They are usually directly fitted on the tank.

Available features:

- Weld or flanged connection, for a maximum flow rate of 1415 l/min
- Fine cellulose and microfibre filtration, to get a good cleanliness level into the reservoir

Common applications:

- Mobile machines (construction and agriculture machines)
- Industrial equipment

Flow rate Δp 0.02 bar

	Flow rate [l/min]			
	Filtration rating	P10	A03	A10
SCS050	550	515	530	
SCS070	550	515	530	
SCS100	1415	1300	1330	
SCS150	1415	1300	1330	

Materials

Riser: Galvanized steel

Temperature

From -25 °C to +100 °C

Weight

SCS050...G1: 0,200 kg
 SCS050...G2: 0,265 kg
 SCS100...G1: 0,450 kg
 SCS100...G2: 0,645 kg

CS/CG050: 0,73 kg
 CS/CG070: 0,95 kg
 CS100: 1,3 kg
 CS150: 1,6 kg
 CG100: 1,3 kg
 CG150: 1,6 kg



Designation & Ordering code

METAL AIR BREATHER FILTER

Series and size

SCS050 | **SCS070** | **SCS100** | **SCS150**

Configuration example 1: **SCS050** | **C** | **G2** | | **V** | **P01**

Configuration example 2: **SCS150** | **C** | **G2** | **A10** | **V** | **P01**

Connections to the tank

C Weld riser

F Screwed flange

Threaded connection

	SCS050 - 070	SCS100 - 150
G1 Connection ISO 228	G 3/4"	G 1 1/4"
G2 Connection U.S. standard	1" - 12 UNF	1 1/2" - 16 UN

Filtration rating

Size:	050	070	100	150
Without filter element	•	•	•	•
A03 Inorganic microfiber 3 µm	•	•	•	•
A10 Inorganic microfiber 10 µm	•	•	•	•
P10 Resin impregnate paper 10 µm	•	•	•	•

Seals

A NBR

V FPM

Execution

P01 MP Filtri standard

Pxx Customized

FILTER ELEMENT

Filter element series

Threaded connection:	G1	G2
CS Connection ISO 228	•	
CG Connection U.S. standard		•

Configuration example: **CG** | **150** | **A10** | **V** | **P01**

Filter element size

050 | **070** | **100** | **150**

Filtration rating

A03 Inorganic microfiber 3 µm	
A10 Inorganic microfiber 10 µm	
P10 Resin impregnate paper 10 µm	

Seals

A NBR

V FPM

Execution

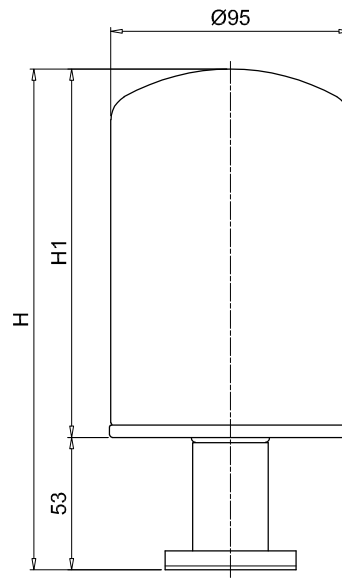
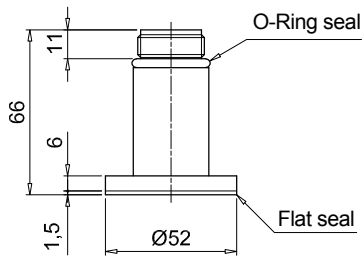
P01 MP Filtri standard

Pxx Customized

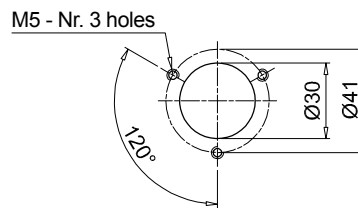
SCS050-070

Screwed flange

Size	H [mm]	H1 [mm]
050	199	146
070	263	210



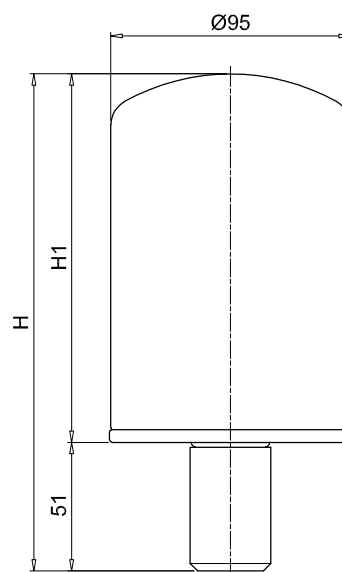
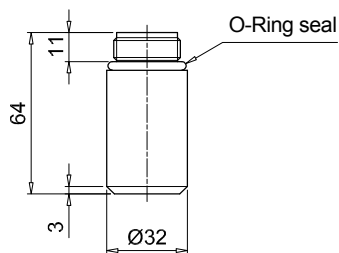
Holes on the tank



SCS050-070

Weld riser

Size	H [mm]	H1 [mm]
050	197	146
070	261	210



Dimensions

