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**

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

Configuration example 1 : SCS050 | C | G2 | | V | P01
Configuration example 2 : SCS150 | C | G2 | A10 | V | P01

FILTER ELEMENT

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

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

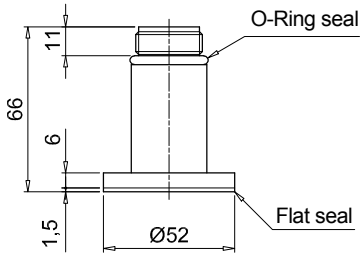
Seals	
A	NBR
V	FPM

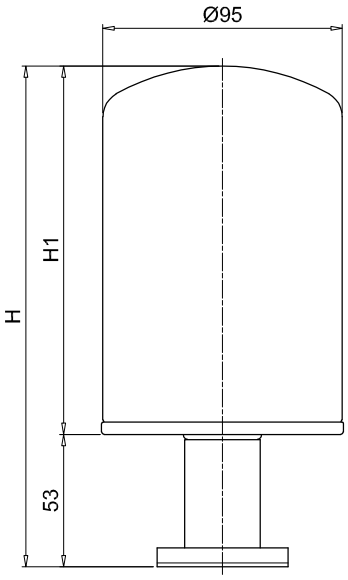
Execution	
P01	MP Filtri standard
Pxx	Customized

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

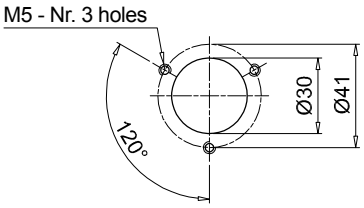
SCS050-070
Screwed flange

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



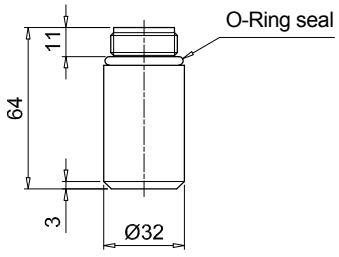


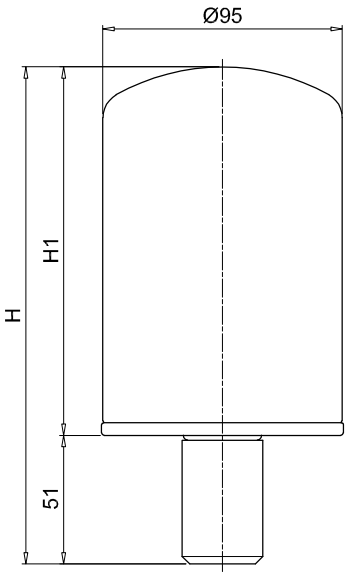
Holes on the tank



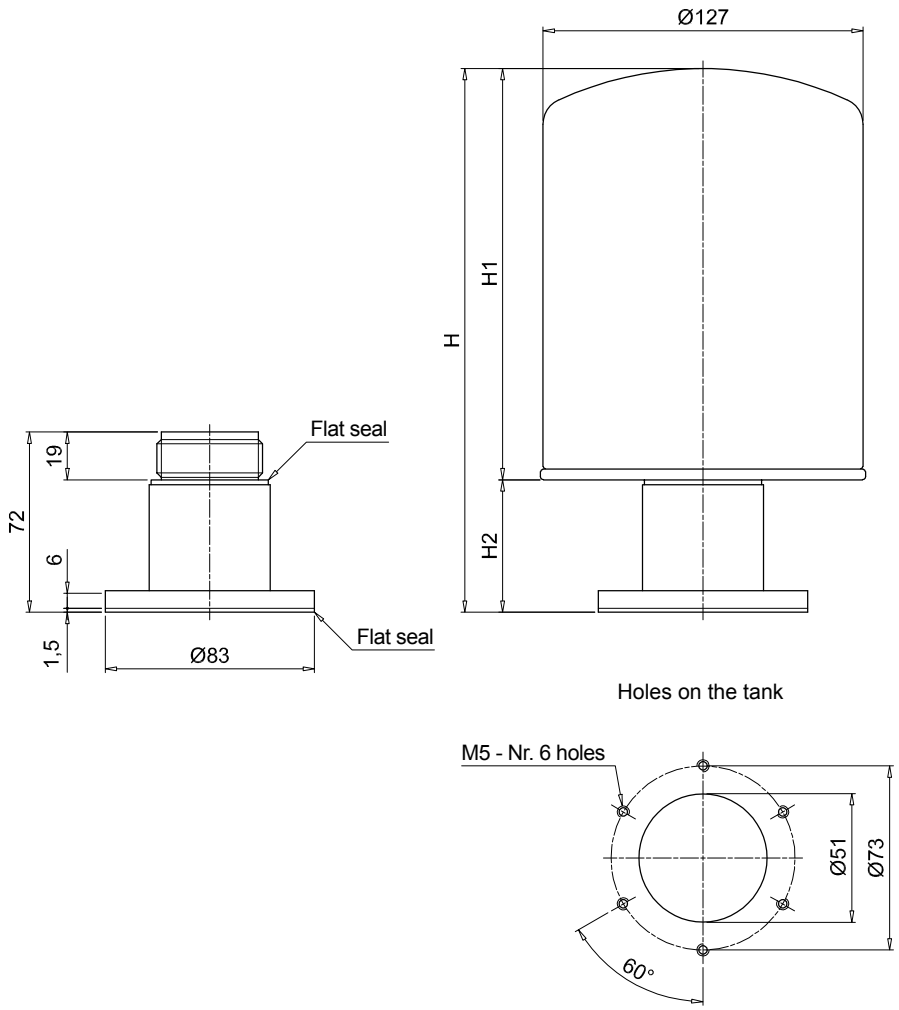
SCS050-070
Weld riser

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



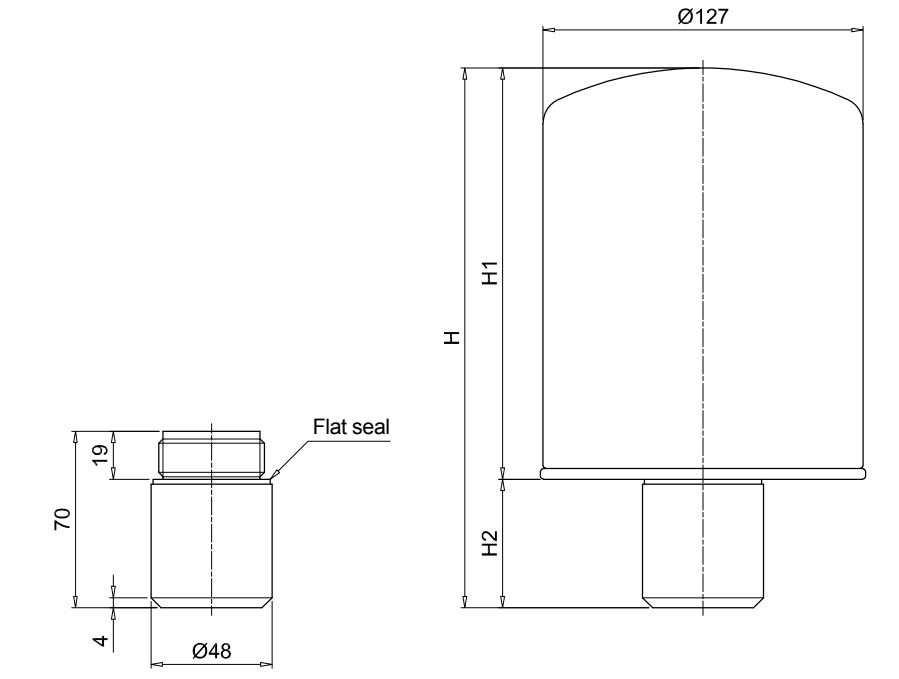


Dimensions



SCS100-150
Screwed flange

Size	Connections	H [mm]	H1 [mm]	H2 [mm]
100	G1	231	178	53
	G2	215	184	31
150	G1	280	227	53
	G2	301	270	31



SCS100-150
Weld riser

Size	Connections	H [mm]	H1 [mm]	H2 [mm]
100	G1	229	178	51
	G2	213	184	29
150	G1	278	227	51
	G2	299	270	29