

Technical data

Air breathers & Filler plugs

Nylon air breather filter

Flow rate up to 400 l/min

SAP is a range of plastic air breathers for protection of the tank against the solid contamination contained into the air. They are usually directly fitted on the tank.

Available features:

- Male threaded connections up to 3/4", for a maximum flow rate of 400 l/min
- Replaceable filter element
- Fine cellulose filtration, to get a good cleanliness level into the reservoir
- Polyester media is an option for heavy environmental conditions (high humidity, sand ...)

Common applications:

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

Flow rate Δp 0.02 bar

	Flow rate [l/min]	
	Filtration rating	L03
SAP054	200	250
SAP075	350	400

Materials

- Cover: Nylon
- Connection: Nylon
- Filter element: Resin impregnate paper

Temperature

From -25 °C to +100 °C

Weight

SAP 054 - 0.06 kg
SAP 075 - 0.15 kg



Designation & Ordering code

COMPLETE AIR BREATHER

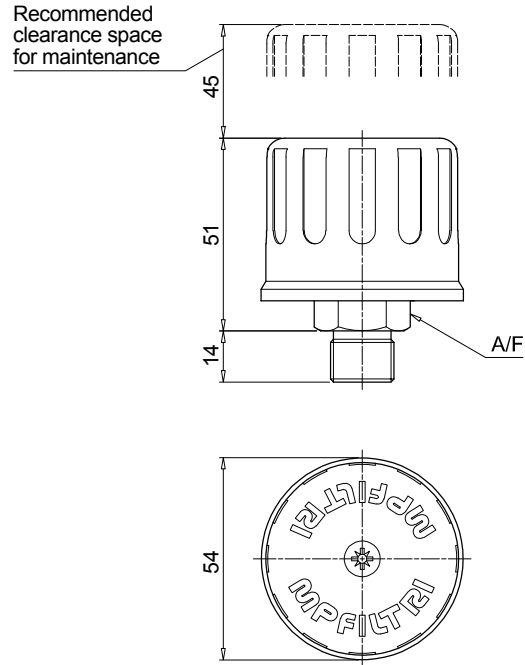
Series and size	Configuration example : SAP054 G2 L10 A P01				
SAP054					
SAP075					
Connections to the tank	SAP054	SAP075			
G1	G 3/8"	G 1/2"			
G2	G 1/2"	G 3/4"			
Filtration rating					
L03	Resin impregnate paper	3 µm			
L10	Resin impregnate paper	10 µm			
Seals					
A	NBR				
			Execution		
			P01	MP Filtri standard	
			Pxx	Customized	

FILTER ELEMENT

Filter element series and size	Configuration example : A4 L10 P01			
A4	SAP054			
A7	SAP075			
Filtration rating				
L03	Resin impregnate paper	3 µm		
L10	Resin impregnate paper	10 µm		
			Execution	
			P01	MP Filtri standard
			Pxx	Customized

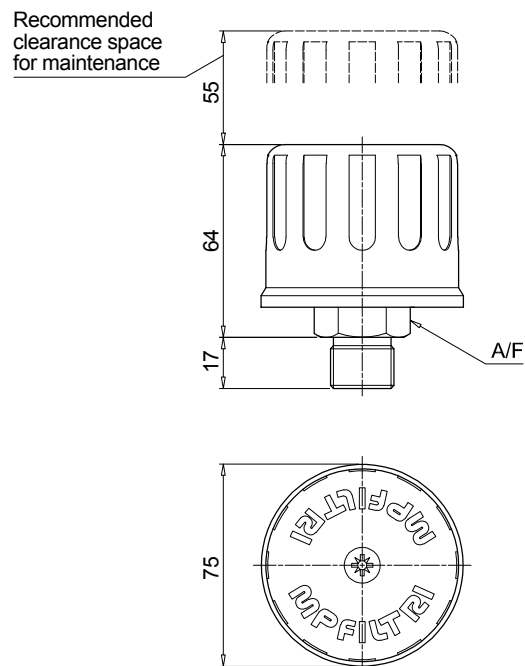
SAP054

Connection	A/F [mm]
G1	22
G2	27



SAP075

Connection	A/F [mm]
G1	27
G2	32



SAP 50 GENERAL INFORMATION

Technical data

Air breathers & Filler plugs

Nylon air breather filter

Flow rate up to 200 l/min

SAP50 is a range of compact plastic air breathers for protection of the tank against the solid contamination contained into the air.

The integrated air breather protects the tank against the solid contamination contained into the air. They are usually directly fitted on the tank.

Available features:

- Male threaded connections up to 3/4", for a maximum flow rate of 200 l/min.
- Fine cellulose filtration, to get a good cleanliness level into the reservoir.

Common applications:

- Compact hydraulic systems
- Compact mobile machines
- Industrial equipment

Flow rate Δp 0.02 bar

	Flow rate [l/min]	
	Filtration rating	
SAP50	03	10
	180	204

Materials

- Cover/Connection: Nylon
- Filter element: Resin impregnate paper, Polyurethane
- Pressurization valve: Nylon, Galvanized steel, NBR
- Seals: NBR

Temperature

From -25 °C to +100 °C

Weight

0.40 kg

Quantity

10 pcs/pack



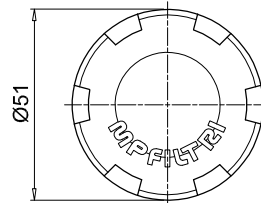
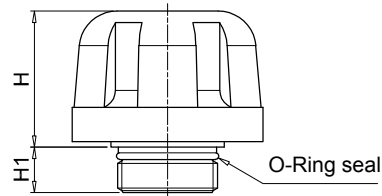
Designation & Ordering code

COMPLETE AIR BREATHER - SAP50

Series and size	Configuration example :						
SAP50 Nylon air filter	SAP50	G3	L03	A	1	0	P01
Connections to the tank							
G1 G 1/4"							
G2 G 3/8"							
G3 G 1/2"							
G4 G 3/4"							
G9 SAE 6 - 9/16" - 18 UNF							
G10 SAE 12 - 1 1/16" - 12 UN							
Filtration rating							
L03 Resin impregnate paper 3 μ m							
L10 Polyuretane 10 μ m							
Seals							
A NBR							
Valve	Connection						
	G1	G2	G3	G4	G9	G10	
0 Without valve	•	•	•	•	•	•	
1 0.5 bar pressurization valve		•	•	•		•	
Basket							
0 Without basket							
Execution							
P01 MP Filtri standard							
Pxx Customized							

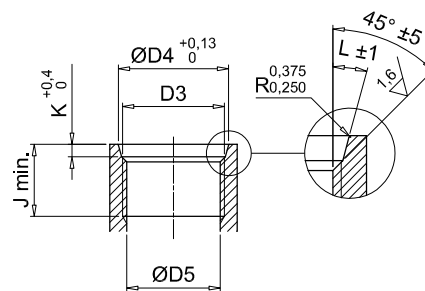
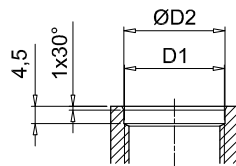
SAP50

Threaded connection



Housing on the tank for connections GAS

Housing on the tank for connections SAE



Connections	H [mm]	H1 [mm]	D1 [mm]	$\text{Ø}D2$ [mm]	D3 [mm]	$\text{Ø}D4$ [mm]	$\text{Ø}D5$ [mm]	J min. [mm]	K [mm]	L
G1	36	12	G 1/4"	13.5	-	-	-	-	-	-
G2	36	12	G 3/8"	17	-	-	-	-	-	-
G3	36	12	G 1/2"	21.5	-	-	-	-	-	-
G4	36	12	G 3/4"	26.7	-	-	-	-	-	-
G9	36	12	-	-	SAE 6 - 9/16" - 18 UNF	15.6	13.081 12.751	12.7	2.5	12°
G10	35	14.5	-	-	SAE 12 - 1 1/16" - 12 UN	29.2	24.978 24.696	19	3.3	15°

Technical data

Air breathers & Filler plugs

Nylon oil filler and air breather filler cap

Flow rate up to 3000 l/min

SAP115 is a range of plastic large air breathers for protection of the tank against the solid contamination contained into the air. They are usually directly fitted on the tank.

Available features:

- Male threaded connections up to 1 1/2", for a maximum flow rate of 3000 l/min.
- Replaceable filter element.
- Fine cellulose and microfibre filtration, to get a good cleanliness level into the reservoir. Polyester media is an option for heavy environmental conditions (High humidity, sand ...)
- Visual clogging indicator
- Antisplash, to avoid fluid coming out through the air breather due to sloshing
- Visual clogging indicator
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank

Common applications:

- Hydraulic systems
- Mobile machines
- Industrial equipment

Flow rate Δp 0.02 bar

	Flow rate [l/min]	
	Filtration rating A03	L10
SAP115 length 1 - G1"	1830	2170
SAP115 length 2 - G1"	2800	2800
SAP115 length 1 - G1 1/2"	1995	2330
SAP115 length 2 - G1 1/2"	3000	3000

Materials

- Cover/flange: Nylon
- Filter element: Microfibre, Resin impregnate paper
- Connection: Nylon
- Seals: NBR, FPM

Clogging indicators

- Manual reset
- Set pressure 0.062 bar +/- 10%

Temperature

From -25 °C to +100 °C

Weight	Length 1	Length 2
SAP 115	0.41 kg	0.525 kg



Designation & Ordering code

COMPLETE BREATHER PLUG - SAP115

Series and size	Configuration example:	SAP115	2	A	A03	A	1	A	P01
SAP115 Threaded connection									
Length									
1 2									
Connection to the tank									
A Thread G 1"									
C Thread G 1 1/2"									
Filtration rating									
A03 Inorganic microfiber 3 µm									
L10 Polyuretane 10 µm									
Seals									
A NBR									
Version									
0 Standard									
1 With anti-splash feature									
Clogging indicator									
A Without indicator									
B With visual clogging indicator									
Execution									
P01 MP Filtri standard									
Pxx Customized									

FILTER ELEMENT

Filter element series and size	Configuration example:	A115	2	A03	P01
A115					
Length					
1 2					
Filtration rating					
A03 Inorganic microfiber 3 µm					
L10 Polyuretane 10 µm					
Execution					
P01 MP Filtri standard					
Pxx Customized					

SAP115							
Length	Connection	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	A/F [mm]
1	A	106	18	55	17	42	41
	C	111	23	55	22	42	55
2	A	170	18	80	17	106	41
	C	175	23	80	22	106	55

