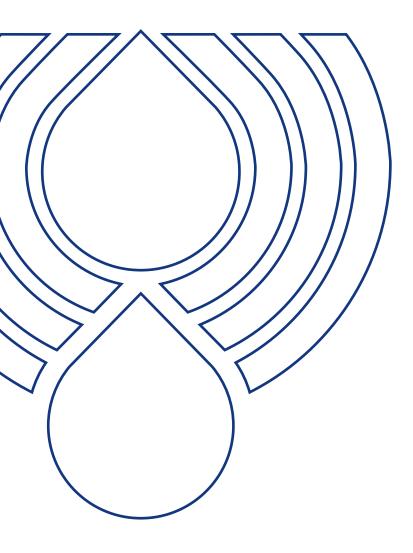
# **TANK ACCESSORIES**

AIR BREATHERS AND FILLER PLUGS



PASSION TO PERFORM





# A WORLDWIDE LEADER IN THE FIELD OF HYDRAULIC FILTRATION EQUIPMENT.

Our company started life in 1964, when Bruno Pasotto decided to attempt to cater for the requests of a market still to be fully explored, with the study, design, development, production and marketing of a vast range of filters for hydraulic equipment, capable of satisfying the needs of manufacturers in all sectors. The quality of our products, our extreme competitiveness compared with major international producers and our constant activities of research, design and development has made us a worldwide leader in the field of hydraulic circuit filtering. Present for over 50 years in the market, we have played a truly decisive role in defining our sector, and by now we are a group capable of controlling our entire chain of production, monitoring all manufacturing processes to guarantee superior quality standards and to provide concrete solutions for the rapidly evolving needs of customers and the market.





## **WORLDWIDE PRESENCE**

Our foreign Branches enable us to offer a diversified range of products that allow us to successfully face the aggressive challenge of international competition, and also to maintain a stable presence at a local level.

The Group boasts **8** business branches



### **TECHNOLOGY**

Our constant quest for excellence in quality and technological innovation allows us to offer only the best solutions and services for applications in many fields, including general industry, test rigs, lubrication, heavy engineering, renewable energies, naval engineering, offshore engineering, aviation systems, emerging technologies and mobile plant (i.e. tractors, excavators, concrete pumps, platforms).





## AND PRODUCTION

Our high level of technological expertise means we can rely entirely on our own resources, without resorting to external providers. This in turn enables us to satisfy a growing number of customer requests, also exploiting our constantly updated range of machines and equipment, featuring fully-automated workstations capable of 24-hour production.

















#### SUCTION **FILTERS**

Flow rates up to 875 l/min

#### Mounting:

- Tank immersed
- In-Line
- In tank with shut off valve
- In tank with flooded suction

#### **RETURN FILTERS**

Flow rates up to 3000 l/min

Pressure

up to 20 bar

- Mounting: - In-Line
- Tank top
- In single
- and duplex designs

#### **RETURN /** SUCTION **FILTERS**

Flow rates up to 300 l/min

Pressure up to 80 bar

Mounting:

- In-Line
- Tank top

#### SPIN-ON **FILTERS**

Flow rates up to 365 l/min

Pressure up to 35 bar

Mounting:

- In-Line
- Tank top

#### **LOW & MEDIUM** PRESSURE **FILTERS**

Flow rates up to 3000 I/min

Pressure up to 80 bar

Mounting:

- In-Line
- Parallel manifold version
- In single and duplex designs

#### HIGH PRESSURE **FILTERS**

Flow rates up to 750 l/min

Pressure from 110 bar up to 560 bar

Mounting:

- In-Line
- Manifold
- In single
- and duplex designs



### **PRODUCT RANGE**

MP Filtri can offer a vast and articulated range of products for the global market, suitable for all industrial sectors using hydraulic equipment.

This includes filters (suction, return, return/suction, spin-on, pressure, stainless steel pressure) and structural components (motor/pump bell-housings, transmission couplings, damping rings, foot brackets, aluminium tanks, cleaning covers).

We can provide all the skills and solutions required by the modern hydraulics industry to monitor contamination levels and other fluid conditions.

Mobile filtration units and a full range of accessories allow us to supply everything necessary for a complete service in the hydraulic circuits.



#### STAINLESS STEEL HIGH PRESSURE FILTERS

Flow rates up to 125 I/min Pressure from 320 bar up to 1000 bar

#### Mounting:

- In-Line
- Manifold
- In single and duplex designs



# CONTAMINATION MONITORING PRODUCTS

- Online, in-line particle counters
- Off-line bottle sampling products
- Fully calibrated using relevant ISO standards
- A wide range of variants to support fluid types and communication protocols

#### MOBILE FILTRATION UNITS

Flow rates from 15 l/min up to 200 l/min

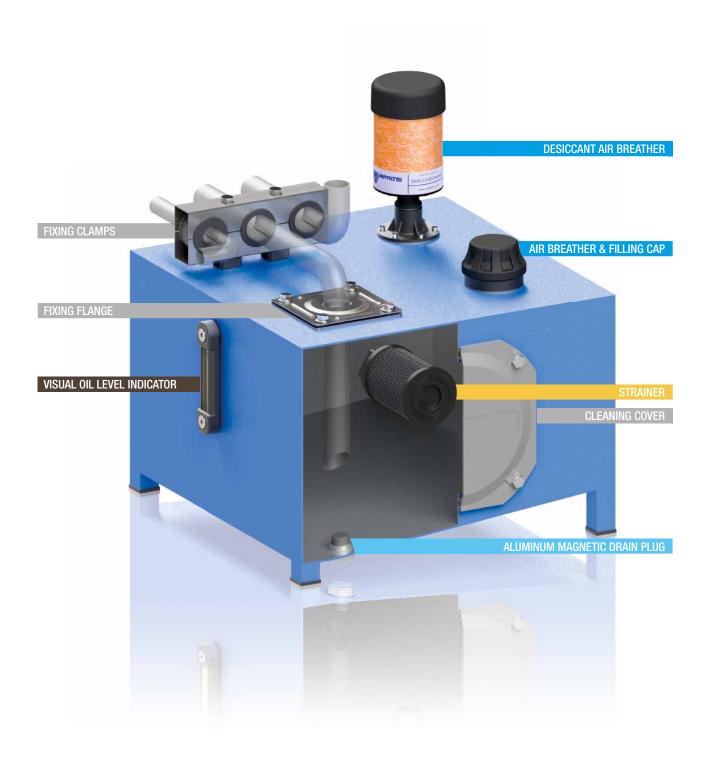
# POWER TRANSMISSION PRODUCTS

- Aluminium bell-housings for motors from 0.12 kW to 400 kW
- Couplings in Aluminium
  Cast Iron Steel
- Damping rings
- Foot bracket
- Aluminium tanks
- Cleaning covers

### TANK N ACCESSORIES

- Oil filler and air breather plugs
- Optical and electrical level gauges
- Pressure gauge valve selectors
- Pipe fixing brackets
- Pressure gauges

## **TANK ACCESSORIES**







1 pag	e	INTRODUCTION
1	COMPANY	
6	PRODUCT RANGE	

10 pag	ge	STRAINERS
13	STR & MPA - MPM	Submerged suction filter, with bypass or magnetic column

20 pag	je	AIR BREATHERS AND FILLER PLUGS
23	SAP 054-075 - SA	Air breathers
29	SAW 115	Desiccant air breathers
33	SCS	Metal air breathers with interchangeable filter element
39	SME 1 - SMF 1 - SML 1	Risers for breathers and filler caps installation
45	TA 46 - TAP 50 - SAP 50	Filling cap, air breather & filling cap
53	TA 80	Filling cap
57	TAP 90	Air breather & filling cap
63	TAP 114	Air breather & filling cap
67	TAP 115 & SAP 115	Filling cap, air breather & filling cap

72 page	e	FILLER AND DRAIN PLUGS
75	TC 50	Nylon filler plug
79	TKT - TSD	Nylon filler plugs
79	TKM	Aluminium magnetic drain plug

86 pag	ge	VISUAL OIL LEVEL INDICATORS
89	LCP - LCC	Spy eyes
95	LVA - LVU	Visual oil level indicator

100 page		ELECTRICAL OIL LEVEL INDICATORS
103	LEN - LEG - LET - LEM - LEU	Electrical oil level indicator
115	LVK	Electrical and visual oil level indicator

(120) page		ACCESSORIES
123	EM1	Gauge isolator valves
129	SVM	Gauge isolator valves
133	FTA - FTR	Oil tank fixing flange
137	SFT	Fixing clamps
143	OB	Cleaning covers
149	SE10LT	Aluminium tanks



The complete series of air breathers and filler plugs makes it possible to meet all market demands.

Metal and plastic versions suitable for use on mobile equipment are available.

Filler plugs perform a dual function, air filtration at the tank inlet and prefiltration of the fluid by means of the basket, in order to prevent the ingress of foreign material into the tank during filling and top-up operations.

Correct operation of breather filters makes for longer life of the filter cartridges installed in the hydraulic circuit, and in applications where high level of contamination are present.

Desiccant breathers are also available to absorb free water and moisture contained in the air entering into the tank.



# Air Breathers & Filler Plugs



SAP 054-075 - SA	page 23
SAW 115	29
SCS	33
SME 1 - SMF 1 - SML 1	39
TA 46 - TAP 50 - SAP 50	45
TA 80	53
TAP 90	57
TAP 114	63
TAP 115 & SAP 115	67



# SAP 054-075 series

Nylon air breather filter

SA SETIES

Metal air breather filter



## SAP 054-075 GENERAL INFORMATION

#### Technical data

#### Air breathers & Filler plugs

#### Nylon air breather filter

#### Flow rate up to 400 I/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:**

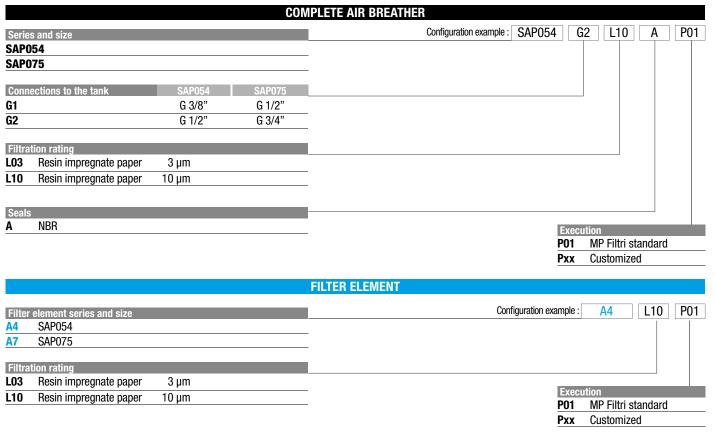
- Male threaded connections up to 3/4 ", for a maximum flow rate of 400 l/min
- Replaceable filter element
- Fine cellulose filtration, to get a good cleanliness level into the reservoir
- Polyester media is an option for heavy environmental conditions (high humidity, sand ...)

#### **Common applications:**

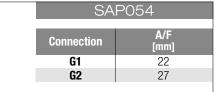
- Mobile machines (construction and agriculture machines)
- Industrial equipment

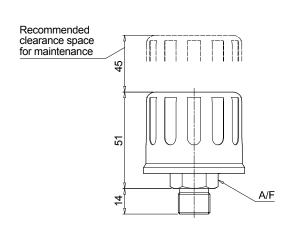
### Flow rate $\Delta p$ 0.02 bar Flow rate [I/min] SAP054 200 250 350 400 **SAP075 Materials** - Cover: Nylon - Connection: Nylon - Filter element: Resin impregnate paper **Temperature** From -25 °C to +100 °C Weight SAP 054 - 0.06 kg SAP 075 - 0.15 kg

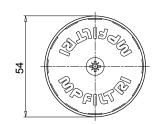
#### Designation & Ordering code



#### **Dimensions**

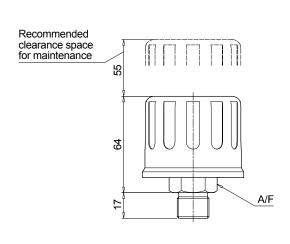


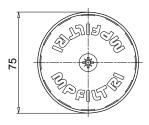




## <u>S</u>AP075

Connection	A/F [mm]
G1	27
G2	32





#### Technical data

#### Air breathers & Filler plugs

#### Metal air breather filter

#### Flow rate up to 2500 I/min

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

They are usually directly fitted on the tank. The robust design allows the use of these filters in any heavy-duty application.

#### **Available features:**

- Male threaded connections up to 2 1/2", for a maximum flow rate of 2500 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  $\ldots$ )

#### **Common applications:**

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

#### Flow rate $\Delta p$ 0.02 bar

	Flow rate [l/min]					
	Filtration rating	L03	L10			
SA036		140	140			
SA053		250	250			
SA075		350	400			
SA115		800	850			
SA145		1800	1850			
SA185		2300	2500			

#### **Materials**

- Cover: Steel
- Connection: Anodized steel, Galvanized steel
- Filter element: Resin impregnate paper
- Screws: Galvanized steel
- Washer: Teflon
- Ring: Galvanized steel
- Seals: NBR

#### **Temperature**

From -25 °C to +100 °C

#### Weight

SA 036 - 0.08 kg SA 053 - 0.15 kg

SA 075 - 0.26 kg SA 115 - 0.40 kg

SA 145 - 0.59 kg

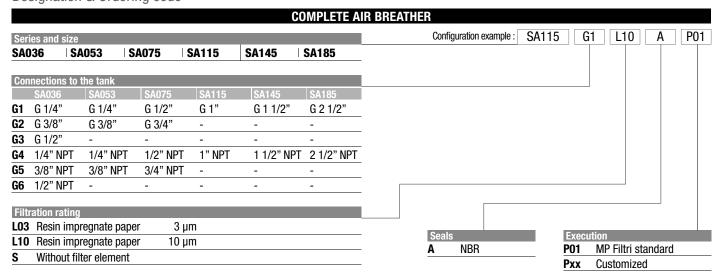
SA 185 - 1.22 kg



Customized

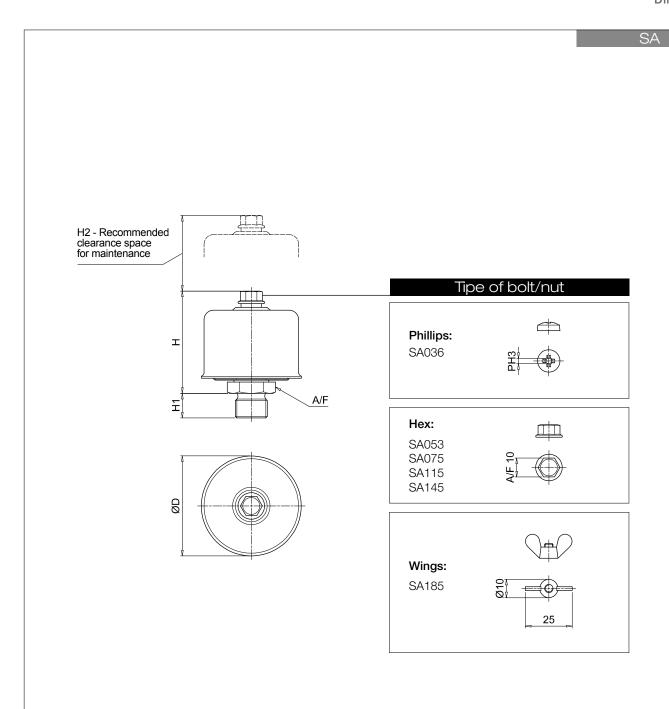
Pxx

#### Designation & Ordering code



				FILTE	R ELEMENT				
Filter	element series and size					Configuration example :	A8	L10	P01
A05	A5 A7	<b>A8</b>	A10	A11			,		
Filtra	tion rating (filter media)								
L03	Resin impregnate paper	3 μm							
L10	Resin impregnate paper	10 μm				Exec	ution		
						P01	MP Filtri	standard	





	Type	Connection	36 37 5 53 53 75 69 115 80 145 115	H1 [mm]	H2 [mm]	A/F [mm]	
	036	G1 ÷ G6	36	37	13	30	22
	053	G1-G2-G4-G5	53	53	13	50	22
		G1			13	60	27
	075	G2	75	69	17		32
		G4		'0		00	15
		G5			20		32
	115	G1 - G4	115	80	17	70	38
	145	G1 - G4	145	115	25	100	55
	185	G1 - G4	185	164	25	150	90

28



# SAW 115 series

Moisture control desiccant air breather



## SAW 115 GENERAL INFORMATION

#### Technical data

#### Air breathers & Filler plugs

#### Moisture control desiccant air breather Max air flow up to 453 l/min

SAW is a range of desiccant breathers; they are products that combine the filtration of the solid contamination and the absorption of the free water contained into the air.

They are usually directly fitted on the tank; the filter layers remove the solid contamination while the desiccant agent holds the moisture contained in the air that enters into the tank as result of the tank breathing.

While in service or during shut-down, the desiccant agent dries the equipment, absorbing moisture from the reservoir.

#### **Available features:**

- Male threaded connections up to 1", for a maximum flow rate of 453 l/min
- Fine filtration rating, to get a good cleanliness level into the reservoir

#### **Common applications:**

Hydraulic systems, oil storage, tanks, transformers, renewable energy, Gearboxes.

#### **Chemical Compatibility**

#### Recommended:

- All Gear Oil
- Most Hydraulic Fluid
- Mineral and Synthetic Oil

Not Recommended:

- Phosphate Ester
- Hydrogen Sulphide
- Sulphuric Acid
- High Alkaline Cleaner

#### Flow rate $\Delta p$ 0.02 bar

Flow rate [l/min]

**SAW115** 453

#### **Materials**

Connection: Nylon

Internal Support Pipe: Nylon Screen: Polycarbonate Cover: Nylon

Cover: Nylon

Dryer Agent: Silica Gel

Filter Efficiency 3µm absolute (B<sub>3</sub> ≥200)

Seals NBR

Temperature From -25 °C to +90 °C

#### **Humidity Level Below Ambient Conditions**

SAW1153G03A00P01: protects 30,000+ cycles

Deliquescent: Protects 5,000 cycles (Testing parameters 23 °C, 30 l/min)

## Silica Gel Weight

Lenght 1: 0.32 kg

Lenght 2: 0.56 kg

Lenght 3: 0.84 kg

#### **Total Weight**

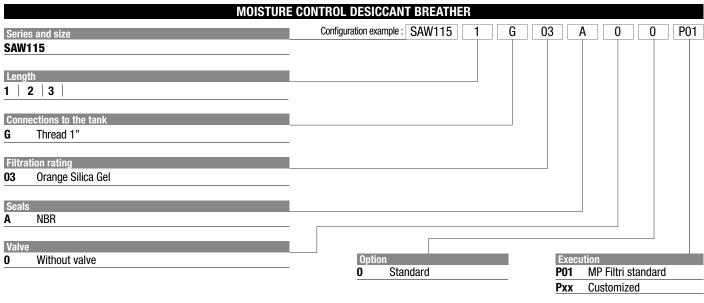
Lenght 1: 0.60 kg

Lenght 2: 0.90 kg

Lenght 3: 1.20 kg



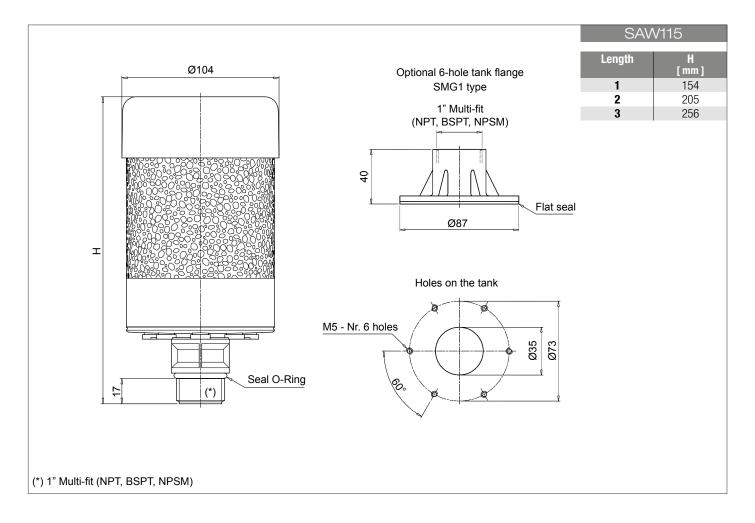
#### Designation & Ordering code



	ACCESSORIES					
Series and size	I	Configuration example :	SMG1	SA	P	02
SMG Adapter Flange	-					
Connections to the tank						
S Without screws	Seals A NBR		Execution PO2 MP F	iltri standa	rd	

30

#### **Dimensions**



#### Silica gel



Silica gel is the most efficient and economic moisture adsorbent for general applications.

A white breather means the unit has done its job keeping moisture out of your lubricants.

Whenever the colour changes from orange to white it's time to replace the breather with a new one.

All breathers should be changed at least once a year.

#### **IMPORTANT**

Dispose of the exhausted silica gel according to the regulations in force in the country of use.



Air vent holes

Max hydraulic flow rate	Holes to open
[ l/min (cfm) ]	
up to 110 (4)	2
from 111 to 220 (4-8)	4
from 221 to 330 (8-12)	6
from 331 to 452 (12-16)	8

#### IMPORTANT INSTALLATION INFORMATION

- The air vent holes are plugged for any new breather
- The plugs protect the dryer agent during storage and shipment
- The plugs must be taken out during the installation, according to the max hydraulic flow rate





# SCS series

Metal air breather filter



#### Technical data

#### Air breathers & Filler plugs

#### Metal air breather filter

#### Flow rate up to 1330 I/min

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

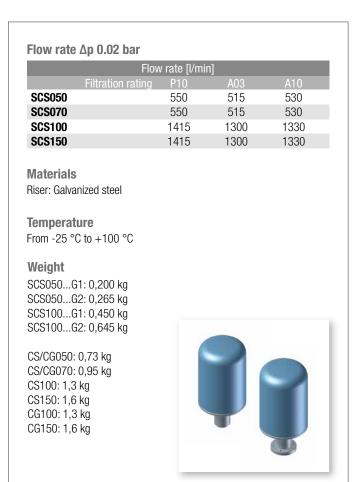
They are composed of a spin-on filter can screwed on a connection tube, directly fitted on the tank. They are usually directly fitted on the tank.

#### **Available features:**

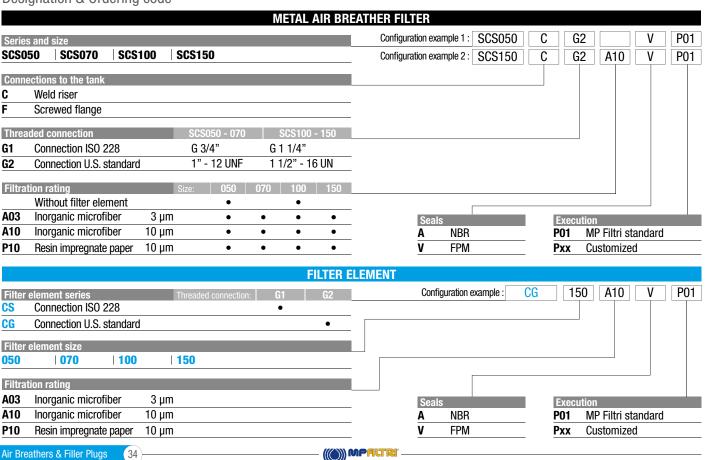
- Weld or flanged connection, for a maximum flow rate of 1415 l/min
- Fine cellulose and microfibre filtration, to get a good cleanliness level into the reservoir

#### **Common applications:**

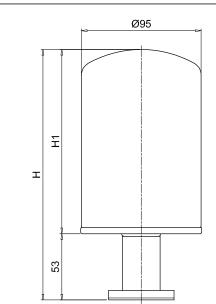
- Mobile machines (construction and agriculture machines)
- Industrial equipment



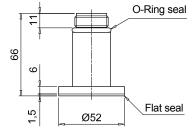
#### Designation & Ordering code



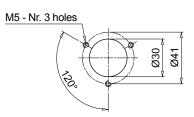
**Dimensions** 



SCS050-070						
Sc	rewed f	lange				
Size	H [mm]	H1 [mm]				
050	199	146				
070	263	210				

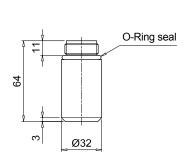


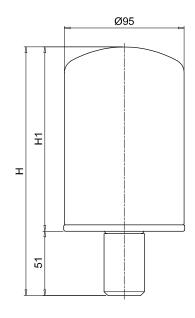
Holes on the tank



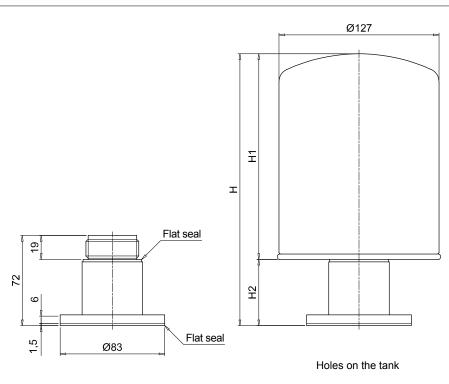
### SCS050-070

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

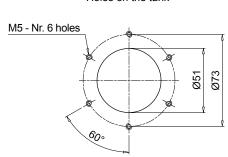


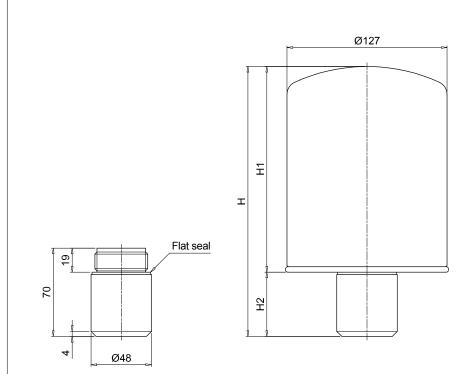


#### **Dimensions**



	SCS10	00-15	0	
	Screwe	d flan	ge	
Size	Connections	H [mm]	H1 [mm]	H2 [mm]
100	G1	231	178	53
	G2	215	184	31
150	G1	280	227	53
100	G2	301	270	31





#### SCS100-150 Weld riser Connections [mm] 229 [mm] 51 [mm] G1 178 100 213 184 29 G2 278 227 51 G1 150 G2 299 270 29

(36)





# SME1-SMF1-SML1 series

Risers for breathers and filler caps installation



#### Technical data

#### Air breathers & Filler plugs

Risers for breathers and filler caps installation

 $\mbox{SME/SML}$  are ranges of risers for installation of the breathers and filler caps in any place on the tank.

They make the maintenance operation easy and fast.

#### **Available features:**

- SME: vertical riser made of polyamide for nylon tanks, mainly used in the mobile machines
- SMF: sloping riser made of polyamide for nylon tanks, mainly used in the mobile machines
- SML: sloping riser made of aluminum for metal tanks, mainly used in the industrial equipment and heavy-duty applications

#### **Materials SME**

- Body: Nylon - Seals: NBR

Cork gasket

- Screws: Phosphatized steel Galvanized steel

#### **Materials SMF**

- Body: Nylon

- Seals: NBR Cork gasket

- Screws: Phosphatized steel

Galvanized steel

#### **Materials SML**

- Body: Aluminium

- Seals: NBR

Cork gasket

- Screws: Phosphatized steel

#### **Temperature**

From -25 °C to +100 °C

#### Weight

SME - 0.250 kg

SMF - 0.325 kg

SML - 0.380 kg



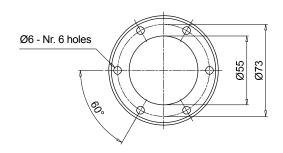
#### Designation & Ordering code

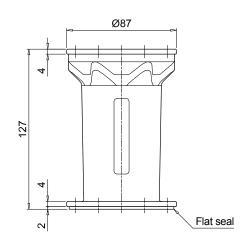
					SME / SMF / SML	
Series	and size				Configuration example: SMF1 M	A
SME1	Polyamide vertical riser				_	
SMF1	Polyamide sloping riser				_	
SML1	Aluminium sloping riser				_	
Connec	ctions to the tank					
M	Metric screws				Į.	
U	UNC screws				-	
<u> </u>					-	
Seals					I	
A	NBR				L	-
	INDIT				-	
Evecut	ion	CME4	Series	CMI 1		
Execut P01		SME1	SMF1	SML1		-
	MP Filtri standard		•	•	=	
P02	Standard without logo	•			-	
Pxx	Customized	•	•	•		

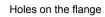
40

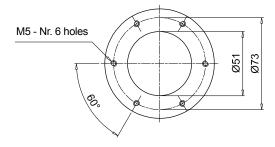
Dimensions

SME1



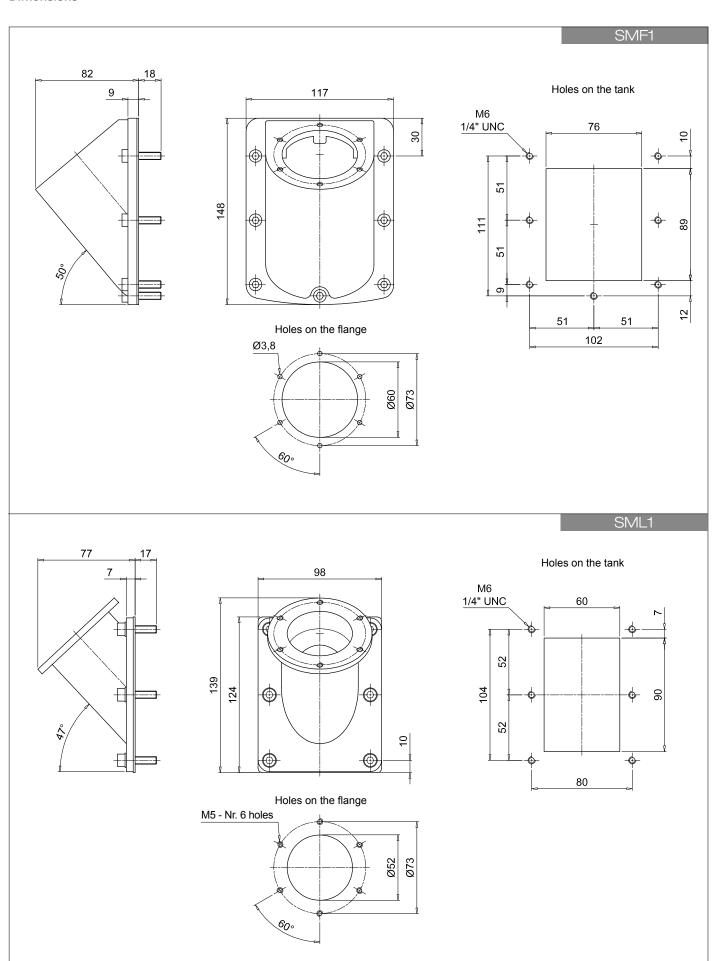






# SME1-SMF1-SML1

#### **Dimensions**





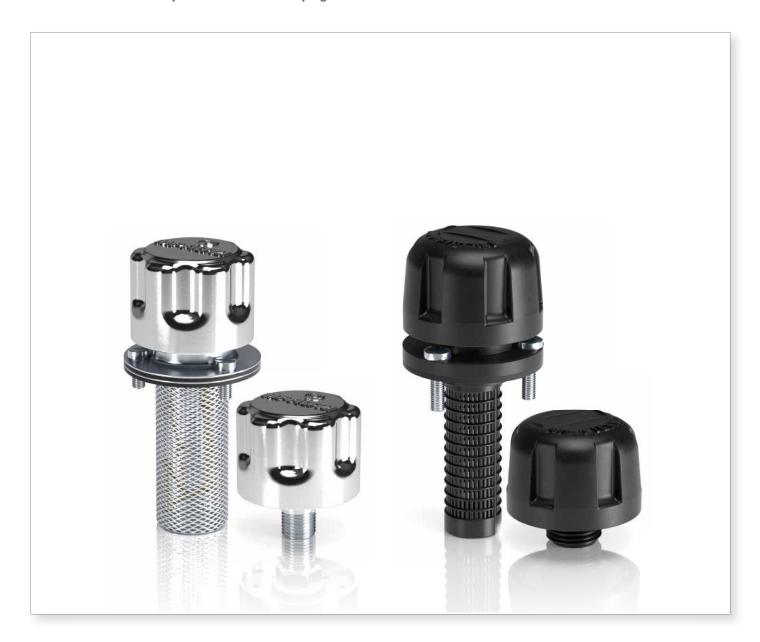


# TA 46 TAP 50 SAP 50 series

Metal oil filler and air breather filler cap

Nylon oil filler and breather plug

Nylon air breather filter



#### Technical data

## Air breathers & Filler plugs

## Metal oil filler and air breather filler cap Flow rate up to 200 l/min

TA46 is a range of compact metal air breathers and filler caps for protection of the tank against the solid contamination contained into the air and filling of the fluid into the systems during the commissioning and maintenance procedures. They are usually directly fitted on the tank. The robust design allows the use of these filters in any heavy-duty application.

## **Available features:**

- Male threaded connections up to 1/4" and flanged connection with bayonet, for a maximum flow rate of 200 l/min
- Fine cellulose filtration, to get a good cleanliness level into the reservoir
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank

## **Common applications:**

- Compact hydraulic systems
- Compact mobile machines
- Industrial equipment

## Flow rate $\Delta p$ 0.02 bar

	Flow	rate [l/mi	n]	
	Filtration rating	03	10	
TA46		150	200	

## Materials (version G/N)

- Cover: Chrome plated steel
- Filter element: Resin impregnate paper, Polyurethane
- Flange: Galvanized steel
- Connection: Phosphatized steel

## **Materials (version B)**

- Cover: Chrome plated steel
- Filter element: Resin impregnate paper, Polyurethane
- Flange: Galvanized steel
- Connection: Phosphatized steel
- Seals: NBR
- Chain, ring: Cork gasket
- Screws: Galvanized steel
- Basket: Brass

## **Temperature**

From -25 °C to +100 °C

## Weight

TA 46 B 0.10 kg TA 46 G/N 0.11 kg



P01

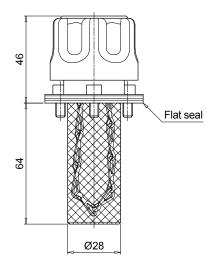
MP Filtri standard Customized

## Designation & Ordering code

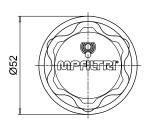
## **COMPLETE AIR BREATHER - TA46** Configuration example 1: **TA46** В 03 P01 Series and size **TA46** Configuration example 2: **TA46** P01 G 10 Connections to the tank В Screwed flange with bayonet mount G Thread G 1/4" Thread 1/4" NPT Resin impregnate paper 3 µm 10 Polyurethane 10 µm NBR Without valve Standard With basket

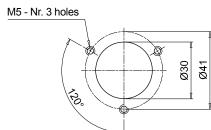
## TA46

## Screwed flange



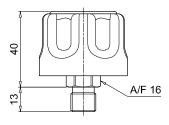
Holes on the tank

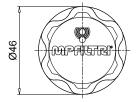




## TA46

# Threaded connection





## TAP 50 general information

## Technical data

## Air breathers & Filler plugs

## Nylon oil filler and breather plug Flow rate up to 200 l/min

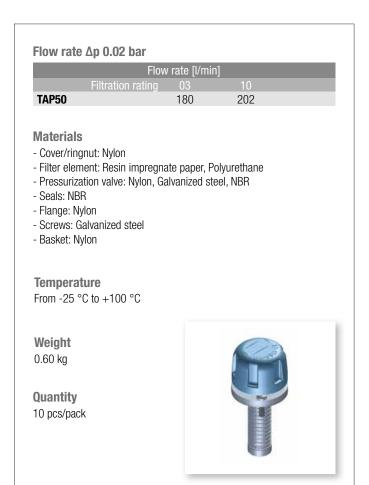
TAP50 is a range of compact plastic air breathers and filler caps for protection of the tank against the solid contamination contained into the air and filling of the fluid into the systems during the commissioning and maintenance procedures.

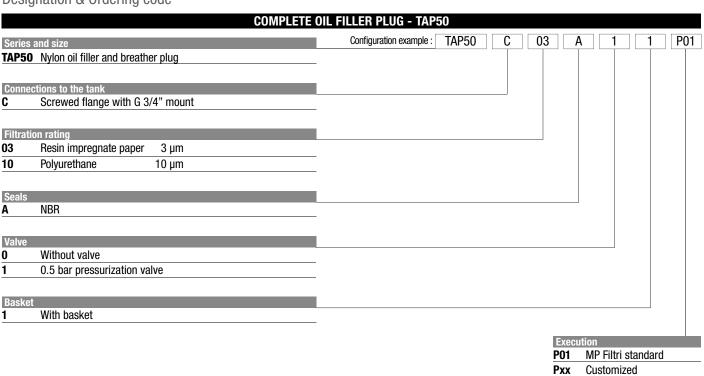
## **Available features:**

- Flanged connection with bayonet, for a maximum flow rate of 200 l/min
- Fine cellulose filtration, to get a good cleanliness level into the reservoir
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank

## **Common applications:**

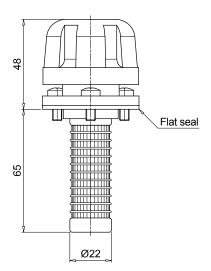
- Compact hydraulic systems
- Compact mobile machines
- Industrial equipment



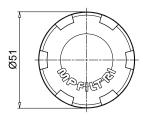


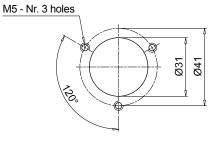
## TAP50

## Screwed flange



Holes on the tank





# 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 $\Delta p$ 0.02 bar

	Flow rate [l/ı	min]	
Filtra	tion rating 03	10	
SAP50	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

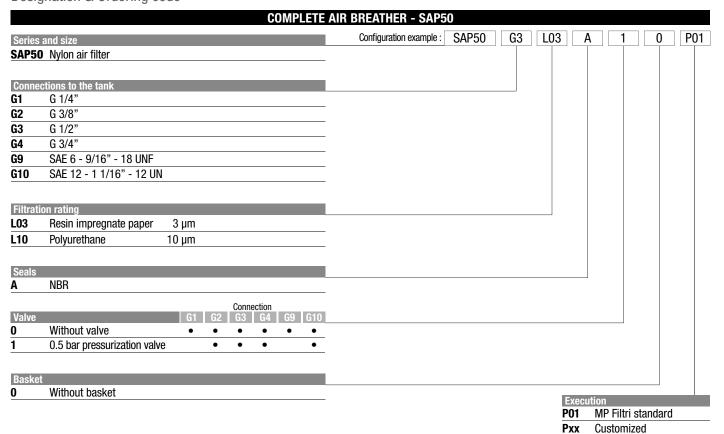
#### Weight

0.40 kg

## Quantity

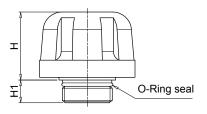
10 pcs/pack

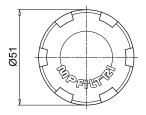




## SAP50

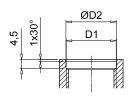
# Threaded connection

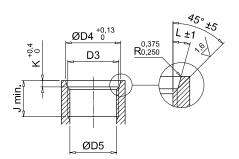




# Housing on the tank for connections GAS

Housing on the tank for connections SAE





Connections	H [mm]	H1 [mm]	D1 [mm]	ØD2 [mm]	D3 [mm]	ØD4 [mm]	ØD5 [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°



# TA 80 series

Metal oil filler and air breather filler cap



## Technical data

## Air breathers & Filler plugs

## Metal oil filler and air breather filler cap Flow rate up to 550 l/min

TA80 is a range of metal air breathers and filler caps for protection of the tank against the solid contamination contained into the air and filling of the fluid into the systems during the commissioning and maintenance procedures.

They are usually directly fitted on the tank. The robust design allows the use of these filters in any heavy-duty application.

#### **Available features:**

- Male threaded connections up to 3/4" and flanged connection with bayonet, for a maximum flow rate of 550 l/min
- Fine cellulose filtration, to get a good cleanliness level into the reservoir
- Pressurization valve with different setting, to guarantee a positive pressure into the tank in any application with metal or plastic tanks
- Padlock tab, to secure the air breather to the tank
- 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 $\Delta p$ 0.02 bar

Flo	w rate [l/mi	n]	
Filtration rating	03	10	
TA80	450	550	

#### **Materials**

- Cover: Chrome Plated steel
- Filter element: Resin impregnate paper, Polyurethane
- Pressurization valve:

Nylon (bodies), Galvanized steel (end cap - disk), Steel (spring), NBR (seals)

- Flange and anti-splash feature: Galvanized steel
- Seals: Cork Gasket, NBR
- Screws, Flange: Galvanized steel
- Chain, Ring: Brass
- Basket (only TA80B): Galvanized steel

## **Temperature**

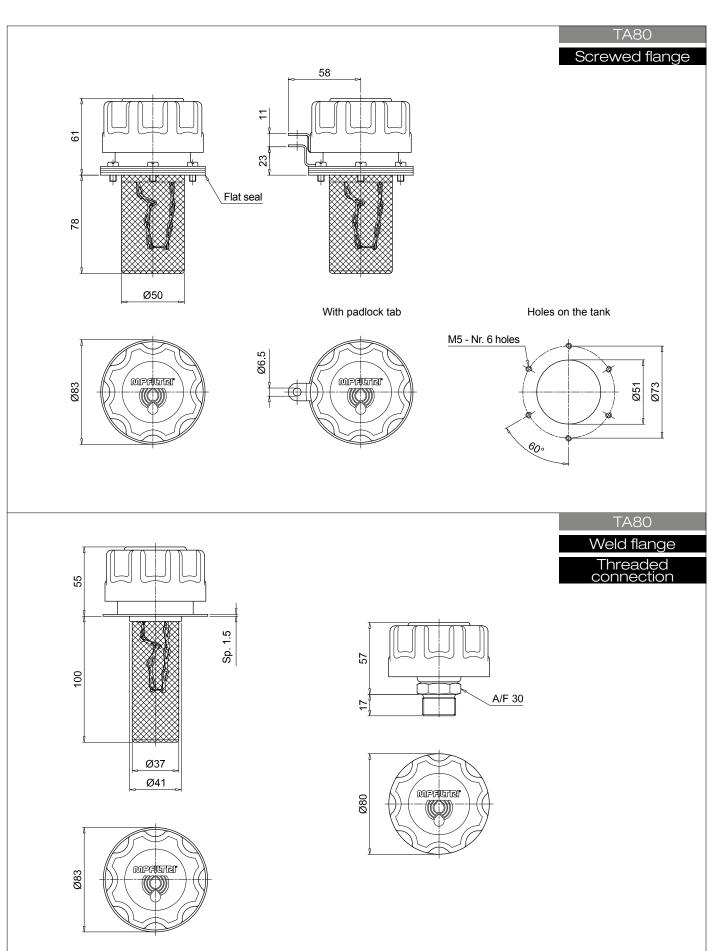
From -25 °C to +100 °C

## Weight

L 80 mm 0.33 kg L 100 mm 0.35 kg



	COMPLET	TE BREATHER PLU	G - TA80								
Serie	s and size	Configuration example 1 :	TA80	В		03	Α	0	L	1	P01
TA80		Configuration example 2 :	TA80	G	ī.	10	Α	2			P01
Conn	ections to the tank	I				Т	T				
	Screwed flange with bayonet mount <b>G</b> Thread G 3/4"										
	Weld flange with bayonet mount  N Thread 3/4" NPT	;									
	tion rating Connection: B D G N										
	Without filter (blind filler plug)  Resin impregnate paper 3 µm  • • • •	•									
	Polyurethane 10 µm • • •	-									
-		•									
Seals											
Α	NBR	-									
Valve	Filtration rating: 00 03 10										
0	Without valve • • •							_			
	0.3 bar pressurization valve • •										
	0.7 bar pressurization valve • •										
9	With anti-splash feature • •										
Vovei	on Connection: B D G N										
Versi	Standard • •										
	With padlock tab •	•									
=		-									
Bask											
	Without basket • •										
	L = 80 mm •							cution			
3	L = 100 mm						P01			standar	d
							Pxx	Cu	stomiz	ed	





# TAP 90 series

Nylon oil filler and air breather filler cap



## TAP 90 general information

### Technical data

## Air breathers & Filler plugs

## Nylon oil filler and air breather filler cap Flow rate up to 550 l/min

TAP90 is a range of plastic air breathers and filler caps for protection of the tank against the solid contamination contained into the air and filling of the fluid into the systems during the commissioning and maintenance procedures.

They are usually directly fitted on the tank.

## **Available features:**

- Male threaded connections up to 1 1/2" and flanged connection with bayonet, for a maximum flow rate of 550 l/min
- Fine cellulose filtration, to get a good cleanliness level into the reservoir
- Pressurization valve with different setting, to guarantee a positive pressure into the tank in any application with metal or plastic tanks
- Padlock tab, to secure the air breather to the tank
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank
- Dipstick, to monitor the fluid level into the tank even in complicated positions

## **Common applications:**

- Hydraulic systems
- Mobile machines
- Industrial equipment

## Flow rate $\Delta p$ 0.02 bar

	Flow rate [l/mi	n]	
Filtration	rating 03	10	
TAP90	450	550	

#### **Materials**

- Cover/Ringnut: Nylon
- Filter element: Resin impregnate paper, Polyurethane
- Pressurization valve:

Nylon (bodies), Galvanized steel (end cap - disk), NBR (seals)

- Flange B: Nylon
- Seals: NBR
- Screws: Galvanized steel
- Padlock tab: Galvanized steel
- Chain, Ring: Brass
- Dipstick: Phosphatized steel
- Basket: Galvanized steel, Nylon



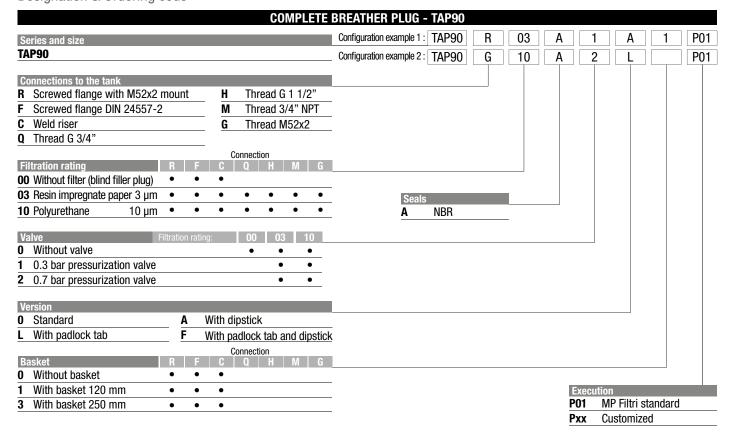
## **Temperature**

From -25 °C to +100 °C

## Weight

L 120 mm 0.25 kg L 250 mm 0.31 kg

## Designation & Ordering code

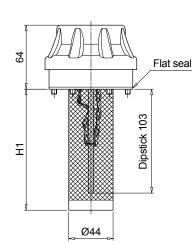


58



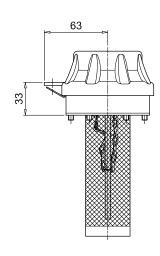
## Screwed flange

Basket	H1 [mm]
1	120
3	250



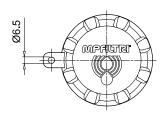
mpaurar

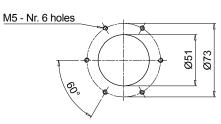
**Ø** 



With padlock tab

Holes on the tank



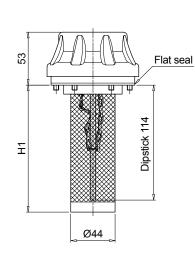


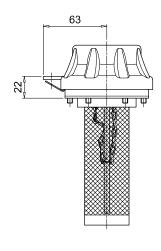
## TAP90

## Screwed flange

DIN 24557-2

Basket	H1 [mm]
1	120
3	250

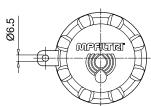


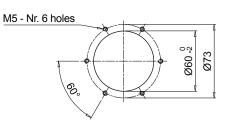


With padlock tab

Holes on the tank

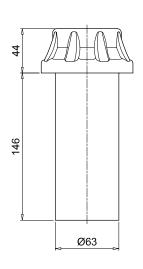


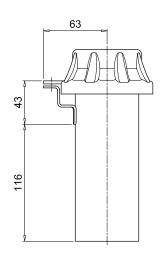




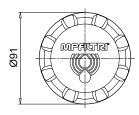
## TAP90

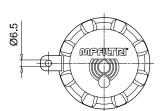
## Weld riser



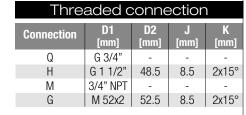


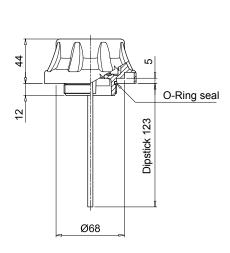
With padlock tab

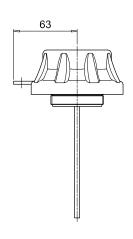




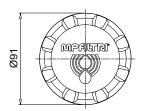
## TAP90

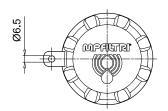




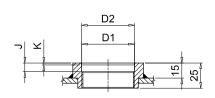


With padlock tab





Housing on the tank for connections GH-MT







# TAP 114 series

Nylon oil filler and air breather filler cap



# TAP 114 GENERAL INFORMATION

## Technical data

## Air breathers & Filler plugs

## Nylon oil filler and air breather filler cap Flow rate up to 1600 l/min

TAP114 is a range of plastic large air breathers and filler caps for protection of the tank against the solid contamination contained into the air and filling of the fluid into the systems during the commissioning and maintenance procedures.

They are usually directly fitted on the tank.

## **Available features:**

- Flanged connection, for a maximum flow rate of 1600 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  $\ldots$ )
- Filling basket, to hold the coarse contamination contained into the fluid and to diffuse the fluid flow into the tank
- Dipstick, to monitor the fluid level into the tank even in complicated positions

## **Common applications:**

- Hydraulic systems
- Mobile machines
- Industrial equipment

## Flow rate $\Delta p$ 0.02 bar

Flow rate [l/min]
Filtration rating L10

TAP114 length 1 1450

TAP114 length 3 1600

## **Materials**

- Cover: Nylon
- Filter element: Resin impregnate paper
- Flange: Nylon
- Seals: NBR
- Screws: Galvanized steel
- Basket: Nylon

## **Temperature**

From -25 °C to +100 °C

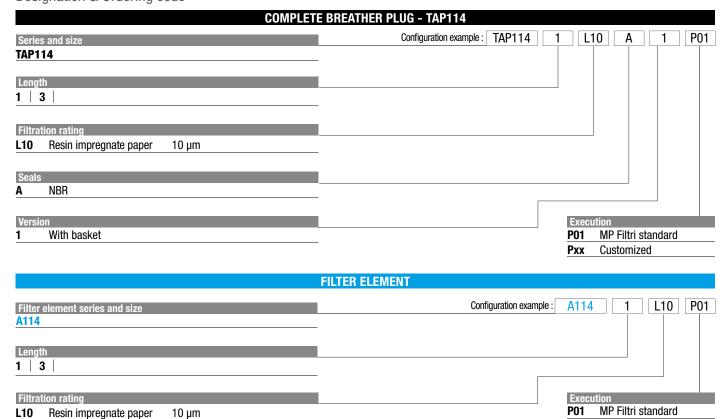
## Weight

Length 1 - 0.185 kg Length 2 - 0.200 kg

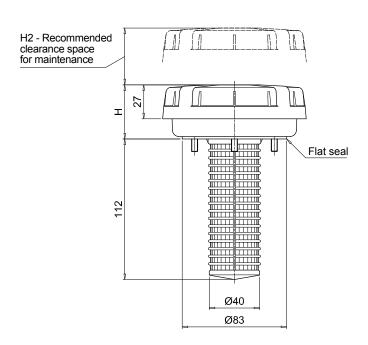


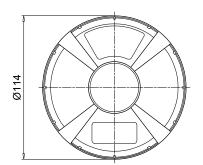
Pxx

Customized

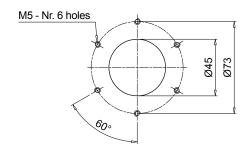


TA	\P114	
Length	H [mm]	H2 [mm]
1	43	30
3	70	60





## Holes on the tank





# TAP 115 & SAP 115

Nylon oil filler and air breather filler cap



# TAP 115 GENERAL INFORMATION

## Technical data

## Air breathers & Filler plugs

## Nylon oil filler and air breather filler cap Flow rate up to 2150 l/min

TAP115 is a range of plastic large air breathers and filler caps for protection of the tank against the solid contamination contained into the air and filling of the fluid into the systems during the commissioning and maintenance procedures.

They are usually directly fitted on the tank.

#### **Available features:**

- Flanged connection, for a maximum flow rate of 2150 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
- 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 $\Delta p$ 0.02 bar

Flow rate	[l/min]		
Filtration rating	A03	L10	
TAP115 length 1	1600	2000	
TAP115 length 2	2150	2150	

#### **Materials**

- Cover/flange: Nylon
- Filter element: Microfibre, Resin impregnate paper
- Seals: NBR. FPM
- Basket/screws: Galvanized steel

## **Clogging indicators**

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

#### **Temperature**

From -25 °C to +100 °C

**Weight** Length 1 Length 2 TAP 115 0.46 kg 0.585 kg



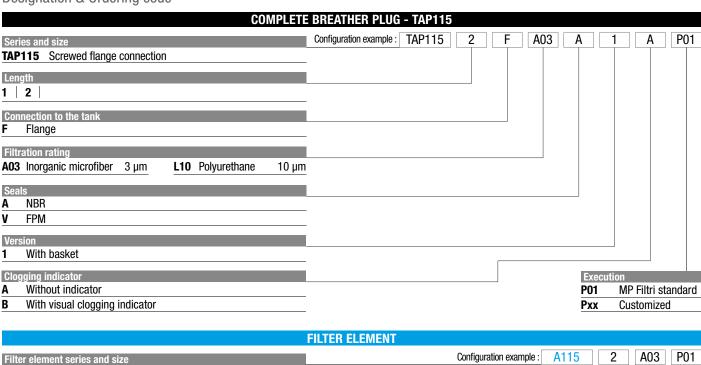
P01

Pxx

MP Filtri standard

Customized

## Designation & Ordering code



10 µm

A03 Inorganic microfiber

Filtration rating

A115

Length

1 2

3 µm

L10 Polyurethane

	TAP115  Length   H   H2   [mm]   [mm]   1   91   55   2   155   80	5
H2 - Recommended clearance space for maintenance  N  Flat seal  We will be a seal of the commended clearance space for maintenance of the commendation of the commenda	Holes on the tank  M5 - Nr. 6 holes	



### Technical data

## Air breathers & Filler plugs

## Nylon oil filler and air breather filler cap Flow rate up to 3000 I/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 I/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 $\Delta p$ 0.02 bar

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

#### **Materials**

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

## **Clogging indicators**

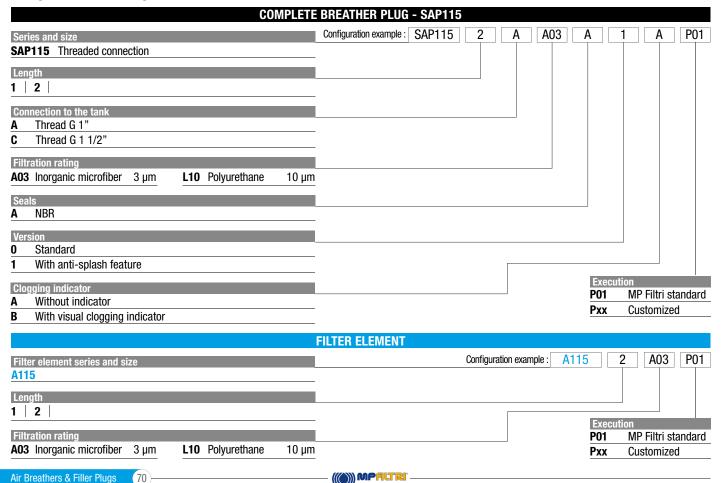
- Manual reset
- Set pressure 0.062 bar +/- 10%

#### **Temperature**

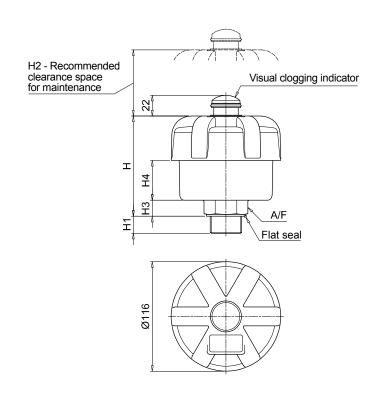
From -25 °C to +100 °C

Weight Length 1 Length 2 SAP 115 0.41 kg 0.525 kg





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





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## **PASSION TO PERFORM**

