

# SAW 115 series

Moisture control desiccant air breathers



# SAW 115 GENERAL INFORMATION

## Technical data

### Air breathers & Filler plugs

#### Moisture control desiccant air breathers

#### 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 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]
Filtration rating	03
<b>SAW115</b>	453

#### Materials

Connection: Polyamide  
Internal Support Pipe: Polyamide  
Screen: Polycarbonate  
Cover: Polyamide  
Dryer Agent: Silica Gel

**Filter Efficiency** 3  $\mu$ m absolute ( $B_3 \geq 200$ )

**Seals** NBR

**Temperature** From -25 °C to +90 °C

#### Humidity Level Below Ambient Conditions

SAW115G03A00P01: protects 30.000 + cycles

Deliquescent: Protects 5.000 cycles  
(Testing parameters 23°C, 30 l/min)

#### Silica Gel Weight

Length 1 0.32 kg  
Length 2 0.56 kg  
Length 3 0.84 kg

#### Total Weight

Length 1 0.60 kg  
Length 2 0.90 kg  
Length 3 1.20 kg



## Designation & Ordering code

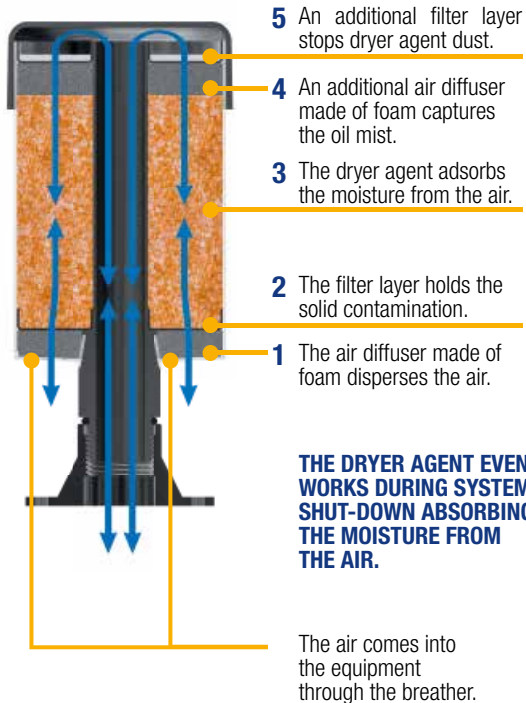
### COMPLETE AIR FILTER

Serie	Configuration example :	SAW115	1	G	03	A	0	0	P01
<b>SAW115</b>									
<b>Length</b>			1   2   3						
<b>Connections</b>				G					
				1"					
<b>Filtration rating</b>					03				
					Inorganic microfiber 3 $\mu$ m				
<b>Seals</b>						A			
						NBR			
<b>Valve</b>							0		
							Without valve		
<b>Option</b>								0	
								Standard	
<b>Execution</b>									P01
									MP Filtri standard
									Pxx
									Customized

### ACCESSORIES

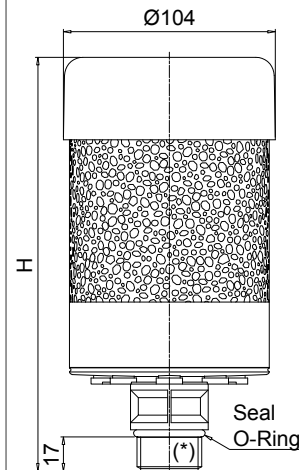
Serie	Configuration example :	SMG1	S	A	P02
<b>SMG</b> Adapter Flange					
<b>Connections</b>					
			S		
			Without screws		
<b>Seals</b>				A	
				NBR	
<b>Execution</b>					P02
					MP Filtri standard

### How does SAW Series works

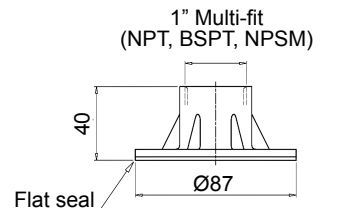


### SAW115

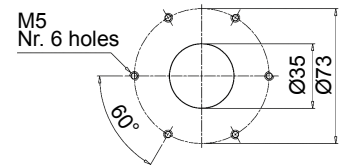
Length	H [ mm ]
1	154
2	205
3	256



Optional 6-hole tank flange SMG1 type



Holes on the tank



(\*) 1" Multi-fit (NPT, BSPT, NPSM)

## Silica gel

Active breather



Depleted breather



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

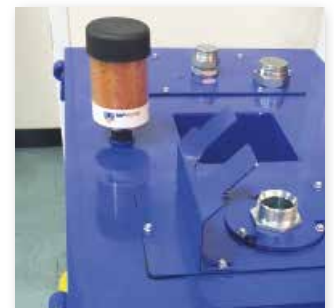
A white breather means the unit has done its job keeping moisture out of your lubricants.

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 [ l/min (cfm) ]	Holes to open
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

