

TAP 90 series

Filler plug and polyamide air filter up to 550 l/min



TAP 90 GENERAL INFORMATION

Technical data

Air breathers & Filler plugs

Filler plug and polyamide air filters

Flow rates 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 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 Δp 0.02 bar

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

Materials

- Cover/Ringnut: Polyamide
- Filter element: Resin impregnated paper, Polyurethane
- Pressurization valve: Polyamide (bodies), Galvanized steel (end cap - disk), NBR (seals)
- Flange B: Polyamide
- Seals: NBR
- Screws: Galvanized steel
- Padlock tab: Galvanized steel
- Chain, Ring: Brass
- Dipstick: Phosphatized steel
- Basket: Galvanized steel, Polyamide

Temperature

From -25 °C to +100 °C

Weight

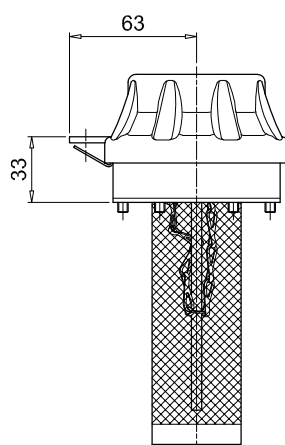
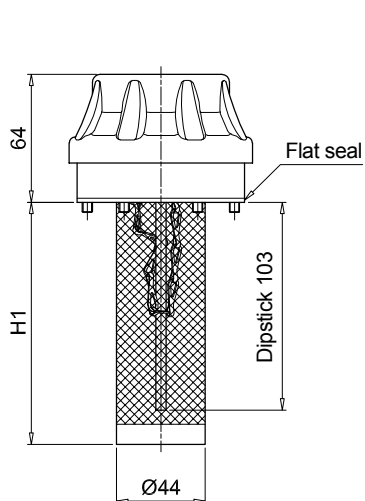
L 120 mm 0.25 kg
L 250 mm 0.31 kg



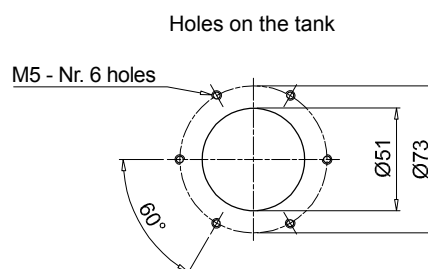
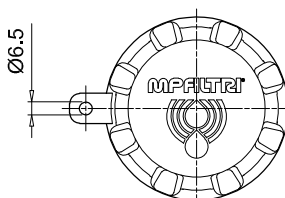
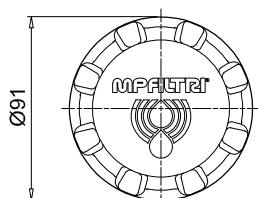
Designation & Ordering code

COMPLETE BREATHER PLUG

Serie		Configuration example 1:		TAP90	R	03	A	1	A	1	P01
TAP90		Configuration example 2:		TAP90	G	10	A	2	L		P01
Connections											
R Screwed flange with M52x2 mount		H G 1 1/2"									
F Screwed flange DIN 24557-2		M 3/4" NPT									
C Weld riser		G M52x2									
		Q G 3/4"									
Connection											
Filtration rating	R	F	C	Q	H	M	G				
00 Without filter (blind filler plug)	•	•	•	-	-	-	-				
03 Resin impregnated paper 3 µm	•	•	•	•	•	•	•				
10 Polyurethane 10 µm	•	•	•	•	•	•	•				
Valve											
Filtration rating:		00		03		10					
0 Without valve				•		•		•			
1 0.3 bar pressurization valve				-		•		•			
2 0.7 bar pressurization valve				-		•		•			
Version											
0 Standard		A With dipstick									
L With padlock tab		F With padlock tab and dipstick									
Connection											
Basket	R	F	C	Q	H	M	G				
0 Without basket	•	•	•	-	-	-	-				
1 With basket 120 mm	•	•	•	-	-	-	-				
3 With basket 250 mm	•	•	•	-	-	-	-				
Seals											
A NBR											
Execution											
P01		MP Filtri standard									
Pxx		Customized									



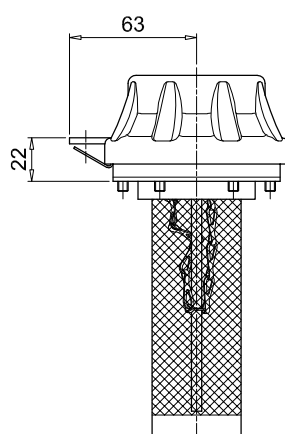
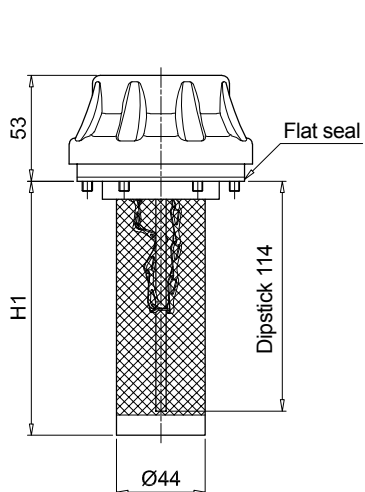
With padlock tab



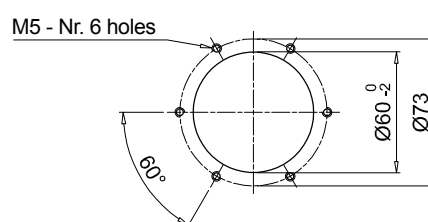
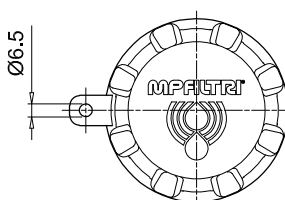
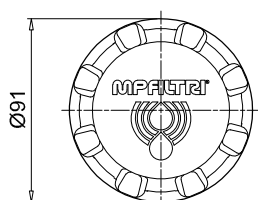
TAP90

Screwed flange

Basket	H1 [mm]
1	120
3	250



With padlock tab



TAP90

Screwed flange

DIN 24557-2

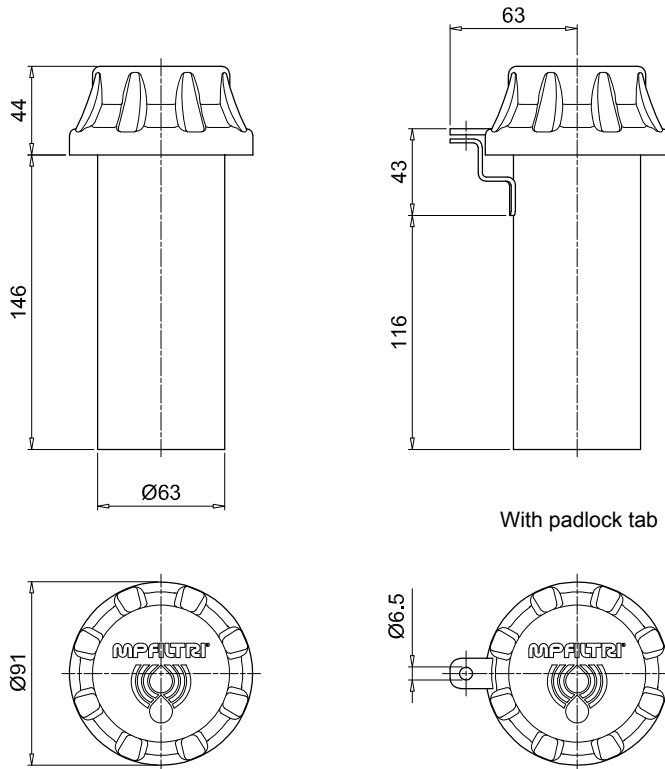
Basket	H1 [mm]
1	120
3	250

TAP 90

Dimensions

TAP90

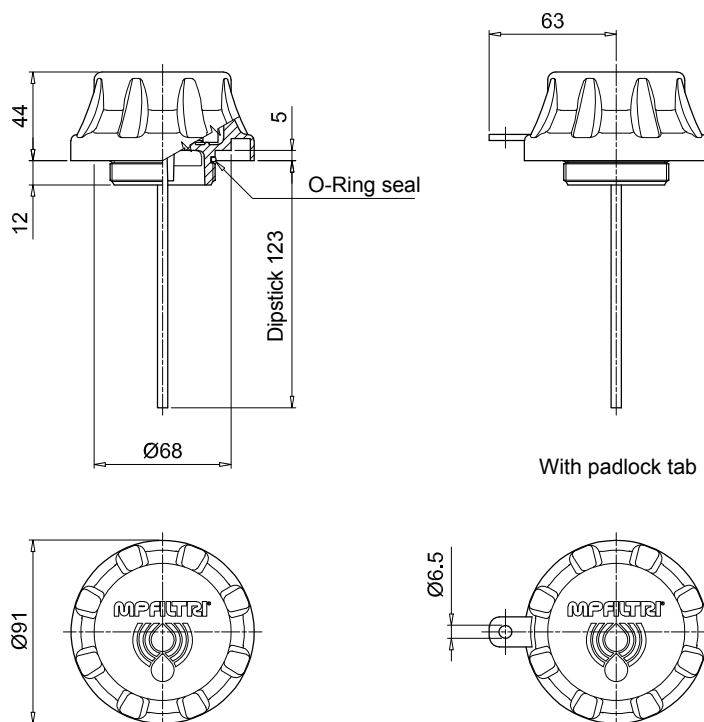
Weld riser



TAP90

Threaded connection

Connections	D1 [mm]	D2 [mm]	J [mm]	K [mm]
Q	G 3/4"	-	-	-
H	G 1 1/2"	48.5	8.5	2x15°
M	3/4" NPT	-	-	-
G	M 52x2	52.5	8.5	2x15°



Housing on the tank
for connections G - H - M - Q

