TAP 90 series

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



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	03	10
TAP90	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

Configuration example 1:	TAP90	R	03	A	1	A	1	P01
Configuration example 2:	TAP90	G	10	A	2	L		P01

Serie
TAP90

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"

Filtration rating

		Connection R	F	C	Q	H	M	G
00	Without filter (blind filler plug)	•	•	•	-	-	-	-
03	Resin impregnated paper	3 µm	•	•	•	•	•	•	•
10	Polyurethane	10 µm	•	•	•	•	•	•	•

Seals

A	NBR

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

Basket

		Connection R	F	C	Q	H	M	G
0	Without basket	•	•	•	-	-	-	-
1	With basket 120 mm	•	•	•	-	-	-	-
3	With basket 250 mm	•	•	•	-	-	-	-

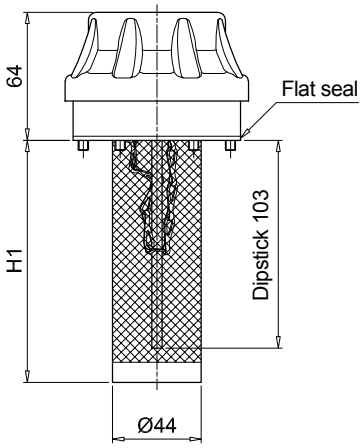
Execution

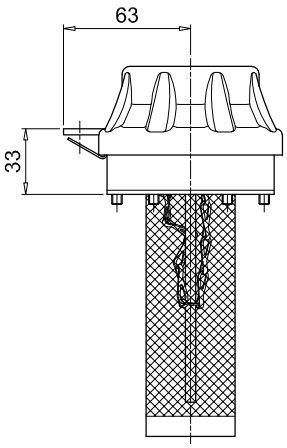
P01	MP Filtri standard
Pxx	Customized

TAP90

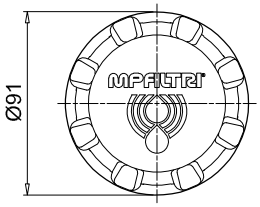
Screwed flange

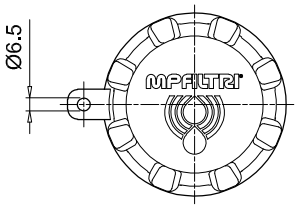
Basket	H1 [mm]
1	120
3	250



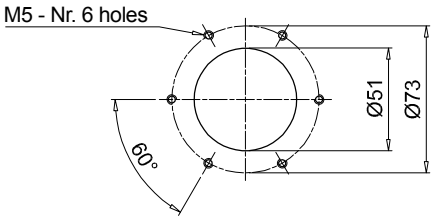


With padlock tab





Holes on the tank

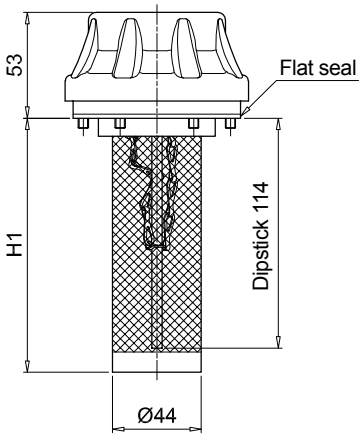


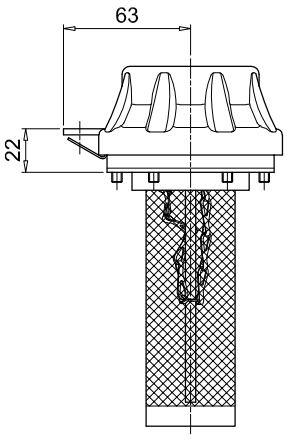
TAP90

Screwed flange

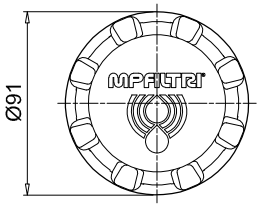
DIN 24557-2

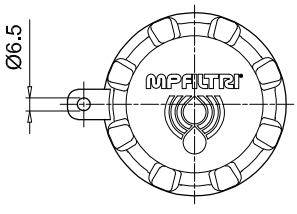
Basket	H1 [mm]
1	120
3	250



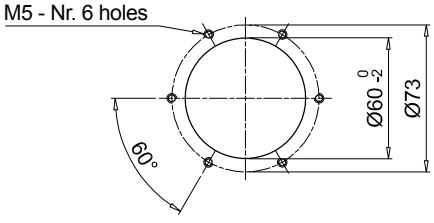


With padlock tab





Holes on the tank

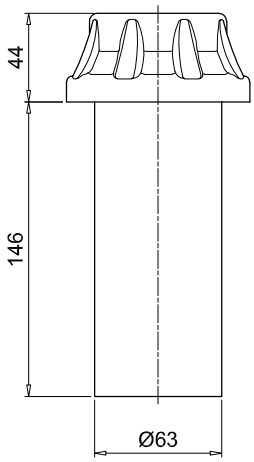


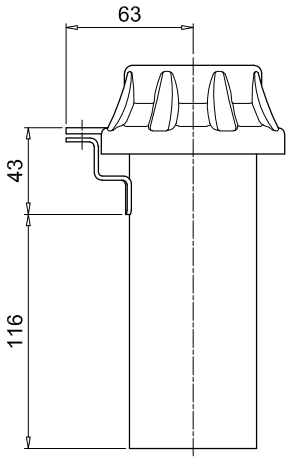
TAP 90

Dimensions

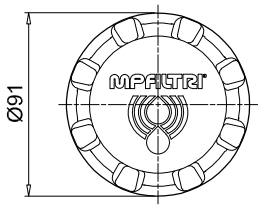
TAP90

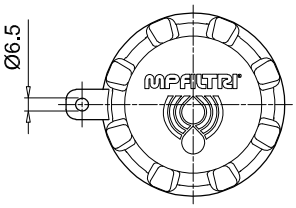
Weld riser





With padlock tab

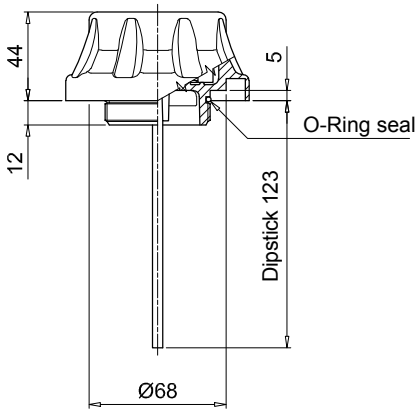


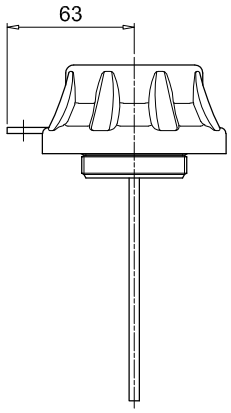


TAP90

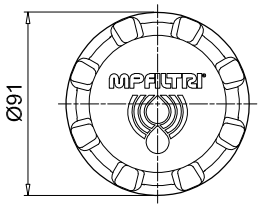
Threaded connection

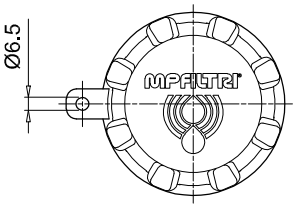
Connections	D1 [mm]	D2 [mm]	J [mm]	K [mm]
Q	G 3/4"	-	-	-
H	G 1 1/2"	48.5	8.5	2x15°
M	3/4" NPT	-	-	-
G	M 52x2	52.5	8.5	2x15°





With padlock tab





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

