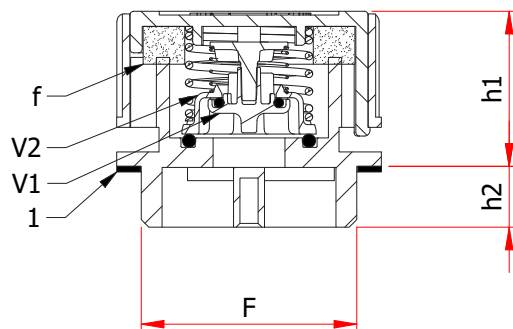
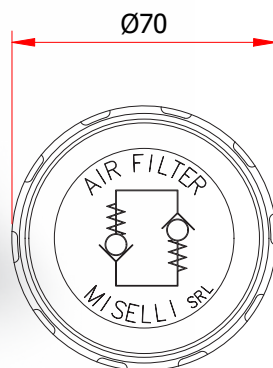


TMDV-DS70 – PRESSURIZED FILLER BREATHER WITH DOUBLE VALVE AND FILTER



f = Air filter
 V1 = Safety valve
 V2 = Suction valve
 1 = NBR flat seal

plastic filler breathers

Threaded filler breather, cylindrical head 70 mm $\varnothing$, with easy grip vertical ribs, ensuring high mechanical resistance at both low and high temperatures, dimensional stability and shocks resistance. The use of the double valve system minimizes the exchange of the air between the reservoir and the environment, as well the entry of contamination thus the life of the air filter element is increased. Inside the cap there are two valves equipped with nitrile rubber O-rings. The functionality of the valves is ensured by the guided axial sliding and by the application of two coil springs in stainless steel. This model can be also an antisplash, as long as the hydrostatic pressure generated by the liquid itself does not exceed the pressure of the check valve.

Material: Polyamide PA66.

Sealing: flat gasket NBR 70 Shore.

Maximum working temperature: 100°C/212°F.

Filter: polyurethane foam filter element prevents contaminations from the ambient atmosphere polluting the oil.

Check valve: set around at 0.35 bar/5 PSI, to keep the pressure stable inside the tank by eliminating or reducing the possibility of cavitation phenomena.

Suction valve: set around at 0.03 bar/0.43 PSI to prevent the tank from undergoing of the deformations during the extraction of the liquid which could lead to implosion phenomena due to the depression created by the pump in the suction phase.

Airflow capacity: up to 950 Liters/min (see data and graphic p. 51).

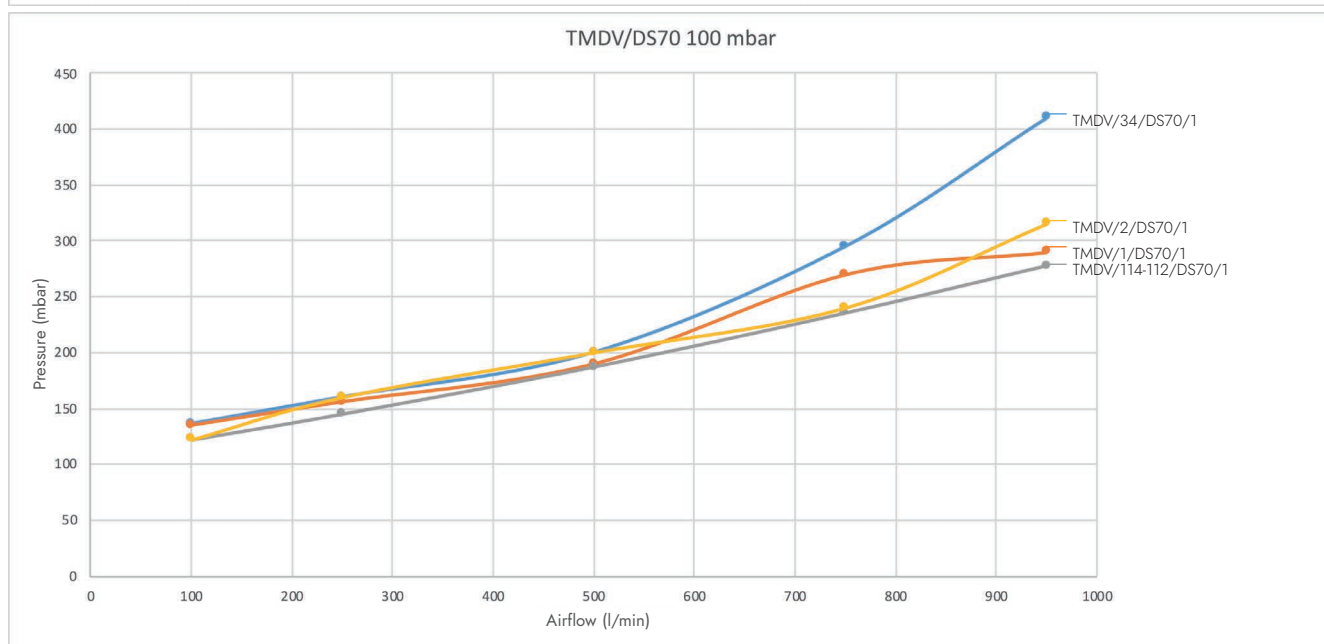
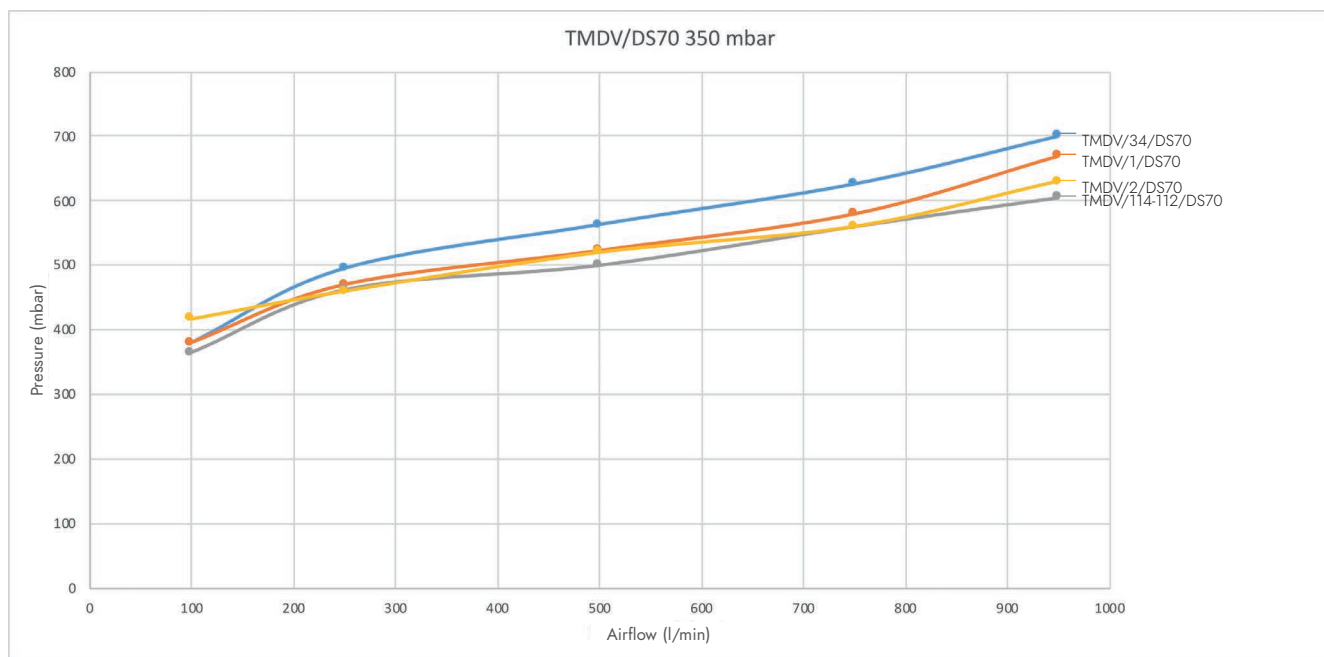
Special versions

Check valve: set at around 0,10 Bar/1.5 PSI.

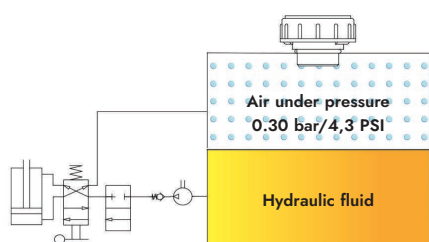
The models 3/4" -1" - 1 1/4" are available with NPT threads

Threaded flange and strainer FPF/C: coupled with TMDV/114/DS70, to be ordered separately (p. 54)

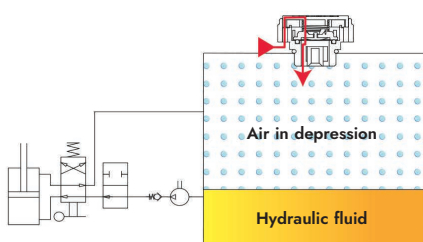
Cod.	F	h1	h2	Pack.
TMDV/34/DS70	G. 3/4"	42	16	10
TMDV/1/DS70	G. 1"	41	15	10
TMDV/114/DS70	G. 1 1/4"	41	15	10
TMDV/112/DS70	G. 1 1/2"	41	15	10
TMDV/2/DS70	G. 2"	42	16	10
TMDV/56.4/DS70	56x4	42	16	10



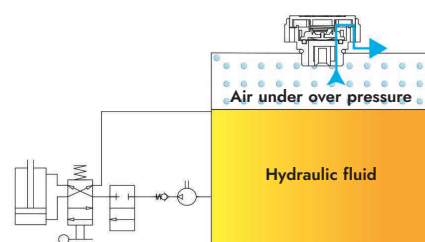
OPERATING DIAGRAM OF THE TMDV-DS BREATHER CAP IN A HYDRAULIC CIRCUIT



Standard operating conditions



When a depression higher than 8mbar/0.12 PSI is created inside the tank, an air flow enters through the suction valve



When an overpressure higher than 0.30 bar/4.3 PSI (or 0.10 bar/1.5 PSI) is created inside the tank, the air flow exits through the safety valve