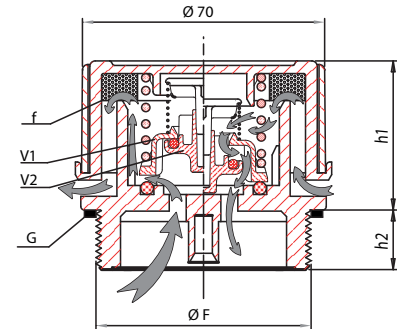
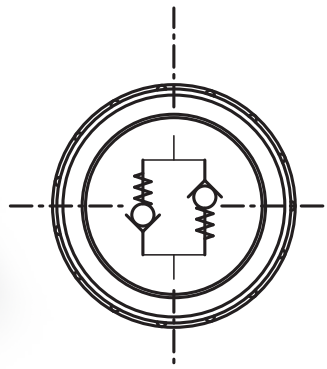


# TMDV-DS70 – PRESSURIZED FILLER BREATHER WITH DOUBLE VALVE AND FILTER



f = Air Filter  
 V1 = Safety Valve  
 V2 = Suction Valve  
 G = NBR seal

**-Filler breather** (round headed) with vertical grips for easy removal; manufactured from PA-6-66 Polyamide technopolymer ensuring high impact resistance and operating temperature range.

**-Threaded base connection** black color with graphic symbol "Double Valve" and inscription "AIR FILTER".

**-Polyurethane** 40 micron foam air filter .

**-NBR Seal** 70 Durometer; O-Ring or flat shape.

**Standard execution available:**

-TMDV-DS70: double valve breather only.

-TMDAV-DS70: with round steel phosphate finish dipstick.

-TMDAV-DS70/FLEX: with flexible spring steel phosphate finish dipstick.

**Main benefits:**

-Provide additional protection from moisture which can condense in your tank, causing oil to breakdown and lose performance.

-Provides positive head pressure to improve pump inlet suction condition.

-You will experience increased breather life due to not breathing in on every hydraulic cycle. Can reduce breathing by as much as 90-95% increasing the life.

-Performs oil containment function as an anti splash.

**Pressurized breather operation:**

-The use of double valves, minimizes the exchange of air between the reservoir and the environment, and the ingress of contamination is minimized and the life of the air filter element is increased. The double valve allows for a 0.03 Bar (0.43 PSI) pressure to be created in the reservoir to improve the suction conditions (flooded inlet) for pumps.

**The valve works as follows:**

-When the fluid level rises the existing air volume is compressed, and no air is exhausted out the breather until the crack pressure is reached (0.35 Bar-5 PSI / on demand 0.10 Bar-1.45 PSI) of the valve is reached.

-When the fluid level lowers, the tank pressure drops until a vacuum is created at which point, air will be drawn in through the breather.

-Air only escapes when the pressure in the reservoir exceeds the cracking pressure of the valve, and air is only drawn in when the pressure in the reservoir drops below atmosphere. The system will normally operate between those ranges most of the time so no breathing will take place.

-P1: Outlet airflow capacity measured in liters/minute at 400 mbar.

-P2 Inlet airflow capacity measured in liters/minute at 50 mbar.

Code	F	h1	h2	P1	P2
TMDV/34/DS70	G. 3/4"	42	16	550	350
TMDV/114/DS70	G. 1 1/4"	41	15	550	350
TMDV/112/DS70	G. 1 1/2"	41	15	420	350
TMDV/2/DS70	G. 2"	42	16	660	350

On request available in NPT threads