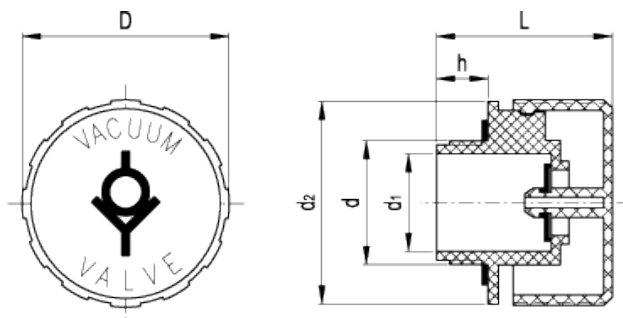


TVD.

Breather caps with vacuum breaker valve



ELESA Original design



american unit
metric unit

Elesa Standards		Main dimensions						Weight
Code	Description	d	D	L	h	d ₁	d ₂	lbs g
61011	TVD.70-1¼-FKM	- G 1¼	2.76 70	2.32 59	0.67 17	1.3 33	2.7 68.5	0.176 80
61021	TVD.70-1¼-EPDM	- G 1¼	2.76 70	2.32 59	0.67 17	1.3 33	2.7 68.5	0.176 80

Depression	FLOW RATE type of membrane	
	FKM 70	EPDM 70
- 50 mb	95 GPM 360 l/min.	98 GPM 370 l/min.
- 40 mb	85 GPM 320 l/min.	87 GPM 330 l/min.
- 30 mb	69 GPM 260 l/min.	74 GPM 280 l/min.
- 20 mb	55 GPM 210 l/min.	61 GPM 230 l/min.
- 10 mb	37 GPM 140 l/min.	42 GPM 160 l/min.
- 5 mb	29 GPM 110 l/min.	34 GPM 130 l/min.

Cover

Polypropylene based (PP) technopolymer with tampoprinted graphic symbol "valve" in black colour. Resistant to oils, greases and other chemical agents. Avoid contact with solvents, alcohol or detergents containing alcohol to preserve tampoprinted graphic symbol.

Colour

- Red (with EPDM ethylene-propylene-dien synthetic rubber packing ring).

- Green (with FKM fluorated synthetic rubber packing ring).
 On request and for sufficient quantities the cover can be also supplied in black colour, with graphic symbol valve tampoprinted in other colour.

Threaded connector
 Polypropylene based (PP) technopolymer, black colour. Resistant to solvents, oils, greases and other chemical agents.

Flat packing ring
 EPDM (red cap) or FKM (green cap).

Membrane gasket
 EPDM (red cap) or FKM (green cap).

Maximum continuous working temperature
 120°F (50°C).

Features and applications

TVD. breather caps with vacuum breaker valve are suitable for reservoirs and tanks for liquid transport. The membrane retaining system allows a quick emptying out of the reservoir by letting in big quantities of air through the cap. Thus avoiding the vacuum inside the reservoir, slowing down the liquid exit.

The pre-set pressure of the membrane gasket stops any liquid loss when the reservoir is shaken (for example during transportation). The liquid pressure on the gasket guarantees a perfect seal of the cap, for example in case of overturning of the reservoir.

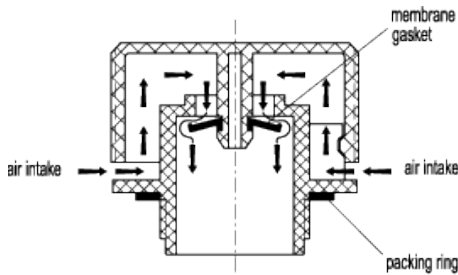
RESISTANCE TO CHEMICAL AGENTS TESTS CARRIED OUT AT 73°F (23°C)			
CHEMICAL AGENT	EPDM	FKM	PP
ALDEHYDE (FORMALDEHYDE)	●	▲	●
ALCOHOL	●	▲	●
ALIPHATIC HYDROCARBONS (PETROL, GAS OIL, ETHANE, PROPANE, BUTANE)	▲	●	■
ANIMAL AND VEGETAL OILS AND GREASES	▲	●	●
AROMATIC HYDROCARBONS (TOLUOL, XILOL)	▲	●	■
BENZOL	▲	●	▲
CONC. ACETIC ACID 40%	●	▲	●
CONC. AMMONIA	●	▲	●
CONC. HYDROCHLORIC ACID 10%	●	●	●
CONC. NITRIC ACID 10%	▲	●	■
CONC. SULPHURIC ACID 20%	▲	●	●
ESTERS	●	▲	●
GLYCOL	●	●	●
KETONES (ACETONE, METHYL ETHYL KETONE)	●	▲	●
MINERAL OILS AND GREASES	▲	●	■
POOR ACIDS	●	●	●
POOR BASES	●	●	●
STRONG ACIDS	●	▲	●
STRONG BASES	●	▲	●

Resistances: ● Good ■ Fair ▲ Poor

The characteristics described should be treated as guidelines only.
 Tests carried out in standard laboratory conditions.

Note

Please contact ELESA Technical Department for further chemical resistance details to particular liquids not reported in the table.



The membrane gasket warps and lets air inside the reservoir due to the effect of the vacuum which is created by the liquid discharge.



STANDARD MACHINE ELEMENTS WORLDWIDE

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