

SFV. | Valve breather caps

Technopolymer

METRIC

BSP



1 COVER

Polyamide based (PA) technopolymer, semi-matte finish.

- SFV.: RAL 2004 orange, with graphic symbol "valve".
- SFV.....C9: RAL 9005 black colour, with graphic symbol "valve".
- SFV.....C2-N: RAL 2004 orange, without graphic symbol "valve".
- SFV.....C9-N: RAL 9005 black colour, without graphic symbol "valve".



2 THREADED FITTING

Polyamide based (PA) technopolymer, black colour, semi-matte finish.



3 PACKING RING

NBR synthetic rubber.



4 SEALING DISK

Technopolymer with NBR synthetic rubber O-ring.



5 SPRING

Stainless steel



6 STANDARD EXECUTIONS

- **SFV-10 mb**: valve (sealing disk) opens when pressure exceeds 0.010 bar (set at 10 mb).
- **SFV-100 mb**: valve (sealing disk) opens when pressure exceeds 0.100 bar (set at 100 mb).



7 FEATURES AND APPLICATIONS

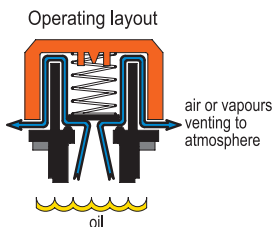
SFV. valve breather caps are particularly suitable for all those applications (speed reducers, variators or compressors) when the internal air pressure must not exceed a certain value (10 or 100 mb).

In these cases, the safety valve of the cap allows the expulsion of the exceeding air in the reservoir, thus re-establishing the pressure values for which the valve is set.

Sealing disc (closed in normal pressure conditions) prevents dust from getting in and oil-losses.



8 OPERATING LAYOUT



9 ASSEMBLY



10 MAINTENANCE



11 DISASSEMBLY



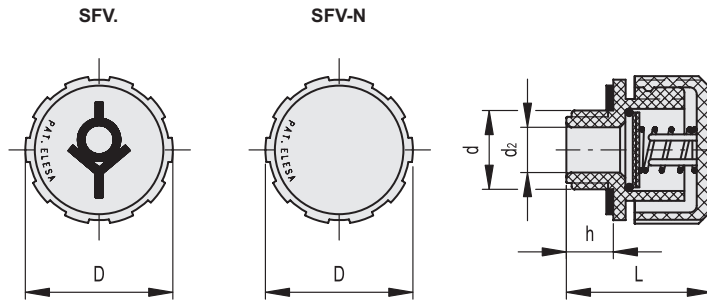
12 STORAGE



13 HANDLING



ELESA Original design



Conversion Table	
1 mm = 0.039 inch	
D	
mm	inch
31	1.22
42	1.65

METRIC

SFV-10 mb

Code	Description	Code	Description	d	D	L	d2	h	⚖
54611	SFV.16x1.5 10mb	54611-C9	SFV.16x1.5 10mb-C9	M16x1.5	31	29.5	10	9.5	12
54621	SFV.18x1.5 10mb	54621-C9	SFV.18x1.5 10mb-C9	M18x1.5	31	29.5	10	9.5	12
54631	SFV.20x1.5 10mb	54631-C9	SFV.20x1.5 10mb-C9	M20x1.5	31	29.5	10	9.5	12
54641	SFV.22x1.5 10mb	54641-C9	SFV.22x1.5 10mb-C9	M22x1.5	31	29.5	10	9.5	13
54651	SFV.1/4 10mb	54651-C9	SFV.1/4 10mb-C9	G 1/4	31	29.5	8	9.5	11
54661	SFV.3/8 10mb	54661-C9	SFV.3/8 10mb-C9	G 3/8	31	29.5	10	9.5	12
54671	SFV.1/2 10mb	54671-C9	SFV.1/2 10mb-C9	G 1/2	31	29.5	10	9.5	12
54681	SFV.3/4 10mb	54681-C9	SFV.3/4 10mb-C9	G 3/4	42	36.5	17	11.5	23
54691	SFV.1 10mb	54691-C9	SFV.1 10mb-C9	G 1	42	36.5	17	11.5	25

SFV-10 mb-N

Code	Description	Code	Description	d	D	L	d2	h	⚖
54611-C2-N	SFV.16x1.5 10mb-C2-N	54611-C9-N	SFV.16x1.5 10mb-C9-N	M16x1.5	31	29.5	10	9.5	12
54621-C2-N	SFV.18x1.5 10mb-C2-N	54621-C9-N	SFV.18x1.5 10mb-C9-N	M18x1.5	31	29.5	10	9.5	12
54631-C2-N	SFV.20x1.5 10mb-C2-N	54631-C9-N	SFV.20x1.5 10mb-C9-N	M20x1.5	31	29.5	10	9.5	12
54641-C2-N	SFV.22x1.5 10mb-C2-N	54641-C9-N	SFV.22x1.5 10mb-C9-N	M22x1.5	31	29.5	10	9.5	13
54651-C2-N	SFV.1/4 10mb-C2-N	54651-C9-N	SFV.1/4 10mb-C9-N	G 1/4	31	29.5	8	9.5	11
54661-C2-N	SFV.3/8 10mb-C2-N	54661-C9-N	SFV.3/8 10mb-C9-N	G 3/8	31	29.5	10	9.5	12
54671-C2-N	SFV.1/2 10mb-C2-N	54671-C9-N	SFV.1/2 10mb-C9-N	G 1/2	31	29.5	10	9.5	12
54681-C2-N	SFV.3/4 10mb-C2-N	54681-C9-N	SFV.3/4 10mb-C9-N	G 3/4	42	36.5	17	11.5	23
54691-C2-N	SFV.1 10mb-C2-N	54691-C9-N	SFV.1 10mb-C9-N	G 1	42	36.5	17	11.5	25

SFV-100 mb

Code	Description	Code	Description	d	D	L	d2	h	⚖
54616	SFV.16x1.5 100mb	54616-C9	SFV.16x1.5 100mb-C9	M16x1.5	31	29.5	10	9.5	12
54626	SFV.18x1.5 100mb	54626-C9	SFV.18x1.5 100mb-C9	M18x1.5	31	29.5	10	9.5	12
54636	SFV.20x1.5 100mb	54636-C9	SFV.20x1.5 100mb-C9	M20x1.5	31	29.5	10	9.5	12
54646	SFV.22x1.5 100mb	54646-C9	SFV.22x1.5 100mb-C9	M22x1.5	31	29.5	10	9.5	13
54656	SFV.1/4 100mb	54656-C9	SFV.1/4 100mb-C9	G 1/4	31	29.5	8	9.5	11
54666	SFV.3/8 100mb	54666-C9	SFV.3/8 100mb-C9	G 3/8	31	29.5	10	9.5	12
54676	SFV.1/2 100mb	54676-C9	SFV.1/2 100mb-C9	G 1/2	31	29.5	10	9.5	12
54686	SFV.3/4 100mb	54686-C9	SFV.3/4 100mb-C9	G 3/4	42	36.5	17	11.5	23
54696	SFV.1 100mb	54696-C9	SFV.1 100mb-C9	G 1	42	36.5	17	11.5	25

SFV-100 mb-N

Code	Description	Code	Description	d	D	L	d2	h	⚖
54616-C2-N	SFV.16x1.5 100mb-C2-N	54616-C9-N	SFV.16x1.5 100mb-C9-N	M16x1.5	31	29.5	10	9.5	12
54626-C2-N	SFV.18x1.5 100mb-C2-N	54626-C9-N	SFV.18x1.5 100mb-C9-N	M18x1.5	31	29.5	10	9.5	12
54636-C2-N	SFV.20x1.5 100mb-C2-N	54636-C9-N	SFV.20x1.5 100mb-C9-N	M20x1.5	31	29.5	10	9.5	12
54646-C2-N	SFV.22x1.5 100mb-C2-N	54646-C9-N	SFV.22x1.5 100mb-C9-N	M22x1.5	31	29.5	10	9.5	13
54656-C2-N	SFV.1/4 100mb-C2-N	54656-C9-N	SFV.1/4 100mb-C9-N	G 1/4	31	29.5	8	9.5	11
54666-C2-N	SFV.3/8 100mb-C2-N	54666-C9-N	SFV.3/8 100mb-C9-N	G 3/8	31	29.5	10	9.5	12
54676-C2-N	SFV.1/2 100mb-C2-N	54676-C9-N	SFV.1/2 100mb-C9-N	G 1/2	31	29.5	10	9.5	12
54686-C2-N	SFV.3/4 100mb-C2-N	54686-C9-N	SFV.3/4 100mb-C9-N	G 3/4	42	36.5	17	11.5	23
54696-C2-N	SFV.1 100mb-C2-N	54696-C9-N	SFV.1 100mb-C9-N	G 1	42	36.5	17	11.5	25

