

Breather valve



Also available in
hastelloy or with
additional inert
gas connection.

■ Made
■ in
■ Germany

ELEVENT®

The breather valve from REMBE®

The ELEVENT® pressure and vacuum relief valve provides optimum protection against overpressure and vacuum for vessels and tanks with low design pressures. It assures a constant and controlled level of pressure in the tank. ELEVENT® not only prevents fugitive emissions of gas, or other pollutants, but also prevents the development of explosive mixtures of substances and eliminates the potential danger of air entering the system. The standard operating ratio is up to 95 % of the minimum response pressure.

ELEVENT® is used in the oil and gas industries, food processing, the chemical and pharmaceutical sectors and power plant technology. The optimised "air cushion" sealing principle provides a smooth valve stroke and an extremely reliable leak-tight seal.

This prevents abrasion and valve chatter. The metal housing is made from deep-drawn stainless steel.

Your advantages

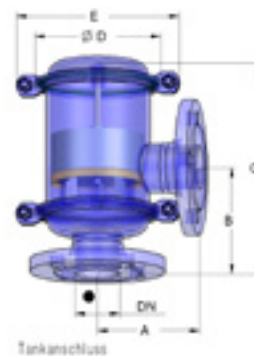
- **Overpressure and vacuum protection** with compact dimensions for extremely low pressure ranges from ± 2 mbarg.
- **Reliable leak-tight seal.**
- **Pressure setting can be subsequently changed.**
- **Suitable for applications with corrosive atmospheres** due to corrosion-resistant E-CTFE and PFA coating.
- **Quick and easy to install and service.**
- **Reduces nitrogen requirements** to a minimum for inerted processes.
- **Ideal for applications with high product purity and quality assurance requirements.**

Technical data ELEVENT® for applications with pressure

Type	NPS [in]	DN [mm]	pressure [mbarg]	A [mm]	B [mm]	C [mm]	Ø D [mm]	E [mm]
ELV E-1/1	1"	25	2-100	100	100	195	105	150
			2-50			223		
ELV E-2/2	2"	50	51-100	125	130	263	155	200
			101-200			348		
ELV E-3/3	3"	80	2-200	155	155	375	208	263
ELV E-4/4	4"	100	2-200	175	175	395	208	263
ELV E-6/6	6"	150	2-200	255	255	510	325	385
ELV E-8/8	8"	200	2-200	265	325	570	325	385

Dimensions refer to flanges compliant with DIN EN 1092-1 type11, series B, PN 16.

Different sizes, pressure classes, temperatures, materials and fittings available on request.



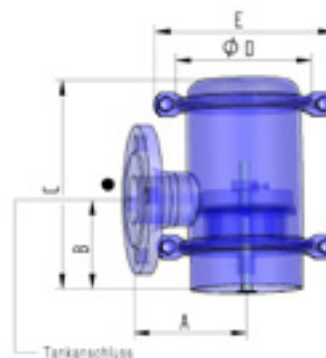
Technical data ELEVENT® for applications with vacuum

Type	NPS [in]	DN [mm]	vacuum [mbarg]	A [mm]	B [mm]	C [mm]	Ø D [mm]	E [mm]
ELV U-1	1"	25	2-100	100	65	160	105	150
			2-50			195		
ELV U-2	2"	50	51-100	125	100	235	155	200
			101-200			305		
ELV U-3	3"	80	2-200	155	150	310	208	263
ELV U-4	4"	100	2-200	175	150	310	208	263
ELV U-6	6"	150	2-200	255	225	402	325	385
ELV U-8	8"	200	2-200	265	250	472	325	385

Dimensions refer to flanges compliant with DIN EN 1092-1 type11, series B, PN 16.

1/2"/DN 50: vacuum adjustment 31- 50 mbarg: F*=F+40, C*=C+40.

Different sizes, pressure classes, temperatures, materials and fittings available on request.



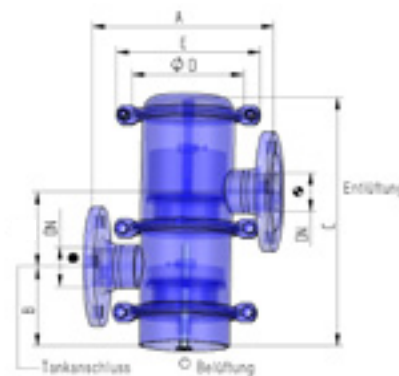
Technical data ELEVENT® for applications with pressure and vacuum

Type	NPS [in]	DN [mm]	pressur	vacuum [mbarg]	A [mm]	B [mm]	C [mm]	Ø D [mm]	E [mm]
ELV KL-1/1	1"	25	2-100	2-50	200	65	270	105	95.00
			2-50				308		
ELV KL-2/2	2"	50	51-100	2-30 ¹	250	100	348	155	115
			101-200				418		
ELV KL-3/3	3"	80	2-200	2-100	310	150	555	208	188
ELV KL-4/4	4"	100	2-200	2-100	350	150	555	208	188
ELV KL-6/6	6"	150	2-200	2-100	510	225	710	325	240
ELV KL-8/8	8"	200	2-200	2-100	530	250	710	325	310

Dimensions refer to flanges compliant with DIN EN 1092-1 type11, series B, PN 16.

1/2"/DN 50: vacuum adjustment 31- 50 mbarg: F*=F+40, C*=C+40.

Different sizes, pressure classes, temperatures, materials and fittings available on request.



You can find detailed information and contact details for enquiries relating to ELEVENT® at www.rembe.de.
Or just give us a call: T +49 2961 7405-0, info@rembe.de.



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