



Safety is for life.™

Reliable. German.
Safety.



ELEVENT®
protects vessel +
tanks with low
design pressures
optimal against
overpressure and
vacuum.

For the protection of plants and tanks

Vessels and tanks with minimal design pressures are effectively protected against the lowest overpressure and vacuum with ELEVENT® breather valves. They reliably prevent the escape of gases, environmentally harmful substances or explosive mixtures as well as the ingress of air. A constant controlled tank pressure level is assured.

The extraordinarily light and compact design is achieved with a deep-drawn stainless steel or metal housing. The clamp connections result in a modular design with interchangeable components. Maintenance can be carried out quickly and easily.

The trend-setting valve concept with deep-drawn housing parts offers a flexible design of the connections, i.e. an exact adaptation of the valve to all system specifications. Connection variants with ANSI flanges, Tri-Clamp and pipe fittings according to DIN 11851 as well as CF and KF flanges are available on request.

Advantages

- ✓ Nominal diameters DN 25 to DN 200
- ✓ Lowest response pressures from 2 mbar to 200 mbar, depending on the nominal diameter
- ✓ Seals and weights can be replaced on site
- ✓ Quick and easy inspection and maintenance through clamp connections

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REMBE® GmbH Safety+Control

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- ✓ Modular design (interchangeable elements)
- ✓ Light and compact design
- ✓ Extreme stability with low weight
- ✓ Optimised sealing technology
- ✓ PFA coating*
- ✓ Special materials like Hastelloy C-276/C-22*
- ✓ Special versions*
- ✓ Heatable version*
- ✓ Signalling*

*Optional

Mechanism

The weight-loaded valve disc seals the system until the operating pressure exceeds the response pressure. When responding, the disc is lifted and the pressure can escape. After the pressure drop, the valve disc lowers and the process is safely closed again. The optimised guide using an "air cushion" principle allows a gentle valve lift during the pressure relief process. Wear and valve flutter are effectively prevented.

Applications

- Containers with nitrogen inerting
- Centrifuges for pharmaceutical and fine chemicals
- Tanks and installations in the low pressure range

REMBE® Sustainability: Not only do we provide professional safety for your plant and machinery and protect human life, but our products also avoid harmful emissions sustainably eliminate leaks and/or reduce noise pollution. You can find more information on sustainability at rembe-green.de.

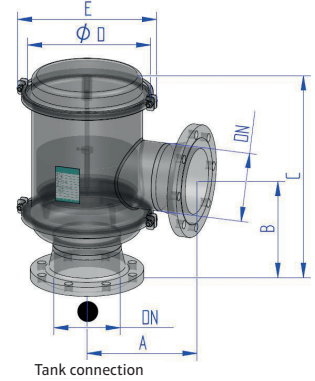


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Technical data ELEVENT® ELV E for applications with overpressure

Type	NPS [in]	DN [mm]	Pressure [mbar]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
ELV E – 1/1	1"	25	2 – 100	100	100	237	105	150
ELV E – 2/2	2"	50	2 – 100 101 – 200	125	130	261 346	155	200
ELV E – 3/3	3"	80	2 – 120 121 – 200	155	155	321 377	208	263
ELV E – 4/4	4"	100	2 – 120 121 – 200	175	175	341 397	208	263
ELV E – 6/6	6"	150	3,5 – 200	255	255	506	325	385
ELV E – 8/8	8"	200	3,5 – 200	265	325	544	325	385

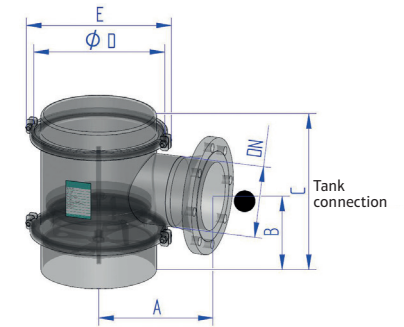
Dimensions refer to flanges according to DIN EN 1092-1, Type 11, Form B, PN16, other flange types on request.



Technical data ELEVENT® ELV U for applications with vacuum

Type	NPS [in]	DN [mm]	Vacuum [mbar]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
ELV U – 1	1"	25	2 – 100	100	65	200	105	150
ELV U – 2	2"	25	2 – 100 101 – 200	125	100	230 315	155	200
ELV U – 3	3"	80	2 – 70 71 – 200	155	150	315 317	208	263
ELV U – 4	4"	100	2 – 70 71 – 200	175	150	315 371	208	263
ELV U – 6	6"	150	3,5 – 200	255	255	471	325	385
ELV U – 8	8"	200	3,5 – 200	265	250	541	325	385

Dimensions refer to flanges according to DIN EN 1092-1, Type 11, Form B, PN16, other flange types on request.

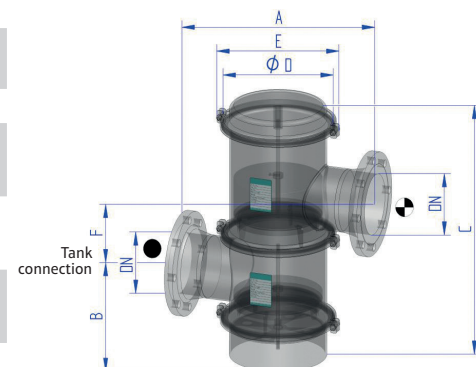


Technical data ELEVENT® ELV KL for applications with overpressure and vacuum

Type	NPS [in]	DN [mm]	Pressure [mbar]	Vacuum ¹ [mbar]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]
ELV KL – 1/1	1"	25	2 – 100	2 – 100	200	65	342	115	140	95
ELV KL – 2/2	2"	50	2 – 100 101 – 200	2 – 50	250	100	388 473	155	200	155
ELV KL – 3/3	3"	80	2 – 120 121 – 200	2 – 70	310	150	505 561	208	263	190
ELV KL – 4/4	4"	100	2 – 120 121 – 200	2 – 70	350	150	505 561	208	263	190
ELV KL – 6/6	6"	150	3,5 – 200	2 – 100	510	225	779	325	430	240
ELV KL – 8/8	8"	200	3,5 – 200	2 – 100	530	250	849	325	430	310

Dimensions refer to flanges according to DIN EN 1092-1, Type 11, Form B, PN16, other flange types on request.

¹ Higher set pressures for vacuum applications on request.



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