

EVM

Explosion Relief Valves

Application: Exhaust Systems

General Description

The Explosion Relief Valve EVM is a reusable, flameless venting device, which is designed for the protection of personnel and equipment in case of gas explosions, engine “misfire” or “back-fire.” In the event of an explosion, the venting device opens by lifting the valve plate, and directs the vented explosion through the flame arrester, preventing flames from being expelled to the surrounding areas. With the support of special designed coil springs, the valve plate closes and resets immediately after the pressure relief.

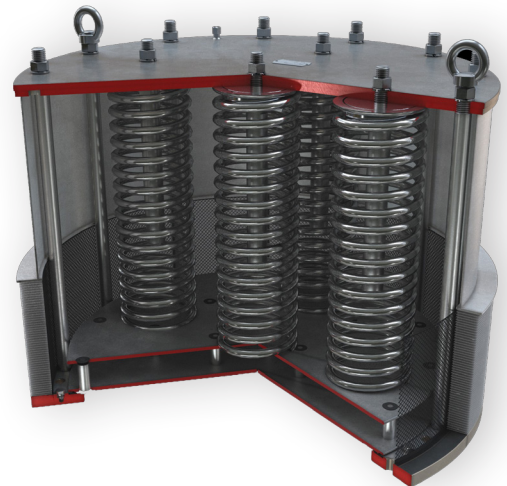
Key Features

- Certified according international standards
- Flameless explosion pressure relief.
- Re-closing: The fast re-closing function mitigates a secondary explosion caused by fresh air-inrush and gas leakage into the environment.
- Re-useable: No shutdown required after an activation.
- Flexibility due to variable installation position.

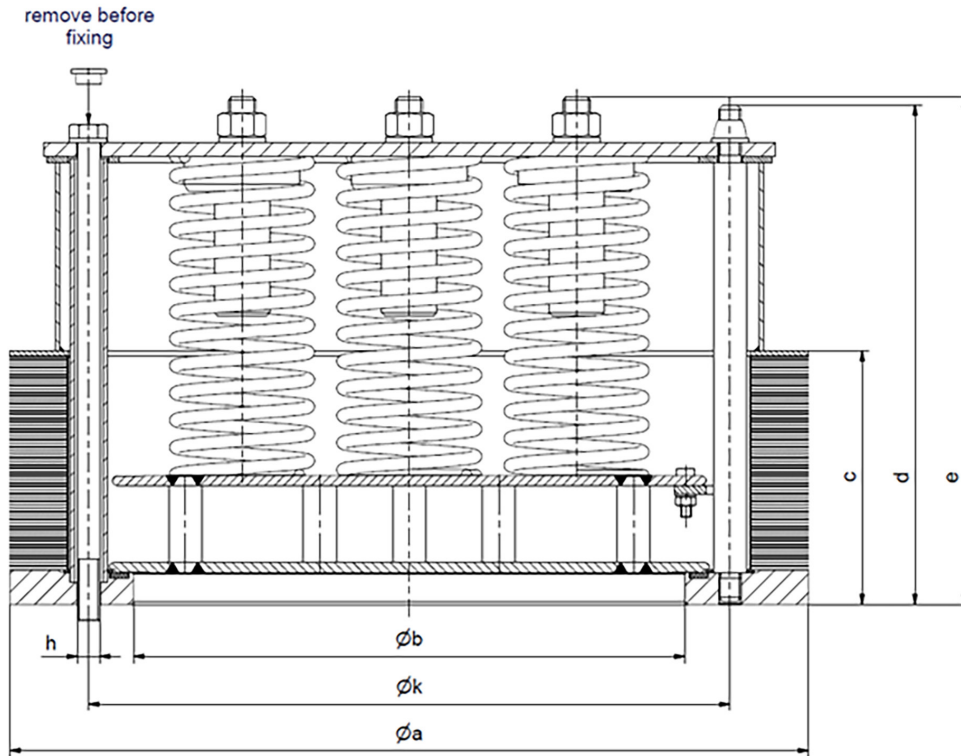
Application

Explosions can occur in the exhaust systems of combustion engines as well as in the downstream piping system, when low flash point fuels are used.

The combination of engine misfire or backfire prevention and the use of relief valves is a proven way to mitigate equipment damage from overpressure and flame, and prevent injury to personnel.



Technical Data



Type	Part Number	Geom. Relief Area [cm ²]	Dimensions					Connection			Approx Weight [kg]
			a [mm]	b [mm]	c [mm]	d [mm]	e [mm]	No. of bolts	h Thread	k P.C.D. [mm]	
173EVM	1011-7793-00	196	305	160	-	173.5	199.5	6	M10 or 3/8"	203	32
320EVM	1012-9406-00	732	470	305	144	304.5	337.5	6	M16 or 5/8"	355	110
420EVM	1012-9048-00	1260	579	400	184	334.5	367.5	8	M16 or 5/8"	465	140
565EVM	1011-2502-00	2300	735	541	196.5	386	419	12	M16 or 5/8"	615	250
735EVM	1012-9002-00	3905	910	705	272	636	680	24	M20	800	420

*All major components are made of stainless-steel EN 1.4301 / AISI304

Additional Notes

- Counter-Flange Kit (gasket/hardware) - Available on request
- Sensor Control Unit - Available on request

Contact Information

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