



VSD VACUUM SUPPORT SPIRAL FOR ERV

- Spiralled ring of AISI 316 TI stainless steel, for use when the vacuum resistance of an expansion joint is not sufficient enough, according to the following table of **POSSIBLE VACUUM LEVELS**.
- Has the function of assisting the rubber to resist the vacuum and stops the bellows from collapsing whilst offering mechanical resistance.
- The support ring can easily be fitted, before mounting the joint on the installation, insert the ring into the internal face of the bellows: squeeze the ends of it sufficiently enough to reduce the diameter so that it fits inside then release it. It will then return to its original dimension that has been specifically calculated in each case.
- Available for the diameter range from 50 to 300 mm. The number of coils and the thickness of the material varies depending on the diameter. Its composition means that it is resistant to chemical attack from the liquids passing through it and will not pollute them.
- It is important to note that with the addition of a vacuum support spiral the range of movement of the expansion joint will be reduced by 50%.



POSSIBLE VACUUM LEVELS (MBAR)

Ø DN	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800
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ERV-BR • ERV-CR • ERV-G • ERV-G LT • ERV-GR • ERV-R • ERV-W

without VSD	max	max	max	-700	-600	-400	-300	-300	-300	-200	-100						
with VSD			max	max	max	max	max	max	max	-600	-400	-200					

ERP

without VSD	-300	-300	-300	-300	-200	-200	-200	-100									
with VSD			-500	-500	-400	-400	-400	-300									

ERV-GS • ERV-GS HNBR

without VSD	max	max	max	max	-900	-800	-700	-700	-700	-700	-600	-400	-400	-300	-300	-200	
with VSD			max	max	max	max	max	max	max	max	max	-800					

ROTEX

without VSD	max	max	max	-700	-600	-400	-300	-300	-300	-200	-100						
with VSD				max	max	max	max	max	max	max	-600	-400	-200				

ERV-OR

without VSD	max	max	max	max	max	max	max	max	max								
with VSD			max	max	max	max	max	max	max								

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