



Section 1	Weight App. ≈ kg	Effect. Area Q:cm ²	Bellow Size DN		Press. Nom. bar	Flange 1) Measurements mm			Length BL mm	Part Number Type
			in.	mm		D	k Ø	l x Ø		
	1,5	15	1"	25	16	115	85	4 x 14	130	ERV-CR 25.16 ²⁾
	3,4	15	1 1/4"	32		140	100	4 x 18		ERV-CR 32.16
	4,0	20	1 1/2"	40		150	110			ERV-CR 40.16
	4,6	30	2"	50		165	125			ERV-CR 50.16
	5,3	50	2 1/2"	65		185	145			ERV-CR 65.16
	6,9	85	3"	80		200	160	8 x 18		ERV-CR 80.16
	8,0	125	4"	100		220	180			ERV-CR 100.16
	9,9	185	5"	125		250	210	8 x 22		ERV-CR 125.16
	12,3	250	6"	150		285	240			ERV-CR 150.16
	16,5	400	8"	200		340	295	12 x 22		ERV-CR 200.10
	21,6	600	10"	250	395	350	ERV-CR 250.10			
	29,3	800	12"	300	445	400	16 x 22	ERV-CR 300.10		
	43,0	1000	14"	350	505	460		ERV-CR 350.10		
	46,0	1375	16"	400	565	515	16 x 26	ERV-CR 400.10		
	57,0	2185	20"	500	670	620		200	ERV-CR 500.10	
	70,0	3080	24"	600	780	725	20 x 30	ERV-CR 600.10		
	117,0	4800	28"	700	895	840	24 x 30	260	ERV-CR 700.10	
	129,5	5440	32"	800	1015	950	24 x 33	250	ERV-CR 800.10	
	184,0	7100	36"	900	1115	1050	28 x 33	300	ERV-CR 900.10	
	245,0	8700	40"	1000	1230	1160	28 x 36		ERV-CR 1000.10	

Type ERV-CR



CR Expansion Joints for cold and warm water, swimming pool water, sea water, waste water (weakly sour or alkaline) also oil containing, cooling water with protective oils against corrosion, lubricating oil, grease and air, compressed air. Temperature (depending on medium) -25° C up to +90° C, temporarily up to +100° C. Electrically non-conductive.

Not suitable for drinking water, acids, alkalis, chemicals, heating oil, diesel, gasoline and jet fuel, petroleum, solvents, other hydrocarbons and hot compressed air.

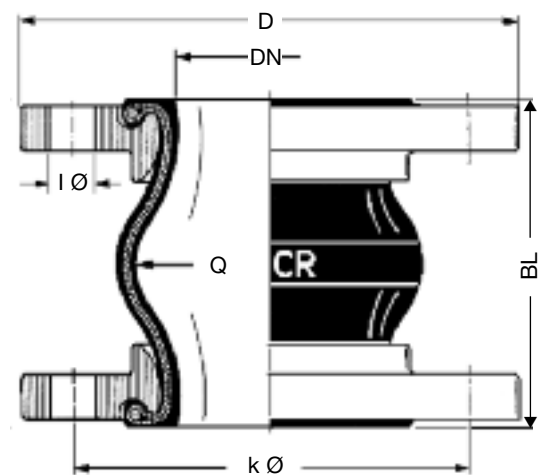
Liner : Chloroprene CR, seamless, abrasion resistant

Reinforcement : PA textile cord

Cover : Chloroprene CR,


Marking : White imprint "CR", ERV DN ..., PN ..., production date

Flanges 1) : Swiveling, DIN PN 10/16 carbon steel, zinc plated



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Range of Movement Type ERV-CR

ERV-CR		Allowable static range of movement in service with usage of collar flanges up to 50° C					
Length BL [mm]	Bellow Size DN [mm]	Installation Length		axial		lateral	angular
		EL min. [mm]	EL max. [mm]	L min. [mm]	L max. [mm]	l [mm]	
130	25 - 80	120	135	100	150	± 30	± 30
	100 - 150	120	135	100	150	± 30	± 20
	200	115	140	105	160	± 30	± 10
	250 - 300	125	140	120	160	± 15	± 5
200	350 - 600	190	210	160	235	± 30	± 8
250	800	240	260	210	285	± 35	± 5
260	700	250	270	220	290	± 30	± 5
300	900 - 1000	290	310	260	340	± 40	± 5

Permissible Vacuum [mbar]

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800	900	1000
without VSD / VSR	max.	max.	max.	-700	-600	-400	-300	-300	-300	-200	-100								
with VSD			max.	max.	max.	max.	max.	max.	-600	-400	-200								
with VSR							max.	max.	max.	max.	max.	max.	max.	-700	-700				
with VSRV														max.	max.	max.	-700	-700	-700

Data measured at room temperature with new expansion joints and non swelling media. For swelling media use a safety factor. A compressed installation improves the in the table listed vacuum resistance. The maximum permissible elongation (L max.) reduces the vacuum resistance by 50%. For this case we recommend to use vacuum support spirals or vacuum support rings (see catalogue page 1-36).

Dependencies of overpressure, range of movement and temperature please see table on catalogue page 1-6.

Approvals

These certificates for type ERV-CR can be downloaded from www.flexej.co.uk



Übersicht aller Zertifikate auf unserer Katalogseite 472 / Overview of all certificates on catalogue page 1-2