



Water/Waste water

Drinking water, Hot water for heating systems, Swimming pool water, Sea water

ERV-R RED BAND

Properties

- Expansion joints in High-Tech design for water, drinking water (approval DVGW W 270 as well as ACS), cold and warm waste water, seawater, cooling water, also with chemical additives for water treatment, low concentrated acids and alkalis, salt solutions, technical alcohols, esters and ketones. Temperature (depending on medium) range -40°C up to +100°C, temporarily up to +120°C. Electrically dissipative.
- **Not suitable** for all kinds of mineral oil products, cooling water with added oil containing corrosion preventatives, oily compressor air.



Code - E2G....

Liner - Butyl (IIR) / EPDM, seamless, low permeation

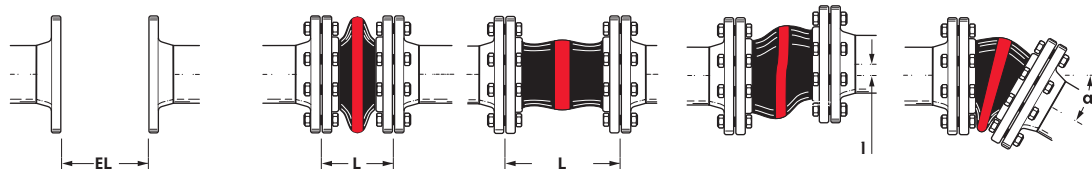
Reinforcement - PA textile cord, Butyl rubberized

Cover - EPDM, ozone proof, heat resistant

Marking - Red band, ERV DN... , PN... , production date

Flanges - Swiveling, DIN PN 10/16, carbon steel, zinc plated

ALLOWABLE STATIC RANGE OF MOVEMENT IN SERVICE WITH USAGE OF COLLAR FLANGES UP TO 50° C



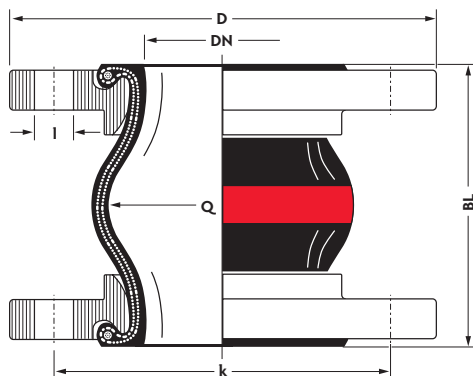
ERV-R		EL		L		I	α°
Length	Ø BELLOW	INSTALLATION LENGHT		AXIAL		LATERAL	ANGULAR
		min	max	min	max	± mm	± α°
130	25 – 80	120	135	100	150	± 30	± 30
	100 – 150	120	135	100	150	± 30	± 20
	200	115	140	105	160	± 30	± 10
	250 – 300	125	140	120	160	± 15	± 5
150	50 – 200	140	160	115	180	± 30	± 15
160	32 – 200	150	170	130	195	± 35	± 15
175	200	165	185	160	210	± 15	± 5
	250	165	185	160	210	± 10	± 5
200	250 - 300	190	210	160	235	± 30	± 10
	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



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**PRESSURE/TEMPERATURE
RATING CORRECTION CHART**

working temperature		50°C	70°C	100°C
allowed movements depending on temperature		100%	80%	60%
working pressure depending on tem- perature	PN 10	10 Bar	8 Bar	6 Bar
	PN 16	16 Bar	12 Bar	10 Bar
	PN 25	--	--	--



DN diameter	Q area	D k Ø l Ø			PN bellows	BL length
		mm	mm	mm		
1"	25	115	85	4 x 14	16	130
1 ¼"	32	140	100	4 x 18	16	130
1 ½"	40	150	110	4 x 18	16	160
2"	50	165	125	4 x 18	16	130
2 ½"	65	185	145	4 x 18	16	150
3"	80	200	160	8 x 18	16	160
4"	100	220	180	8 x 18	16	130
5"	125	250	210	8 x 18	16	150
6"	150	285	240	8 x 22	16	160
8"	200	340	295	8 x 22	16	130
10"	250	395	350	12 x 22	16	150
12"	300	445	400	12 x 22	10	130
14"	350	505	460	16 x 22	10	200
16"	400	565	515	16 x 26	10	130
20"	500	670	620	20 x 26	10	200
24"	600	780	725	20 x 30	10	200
28"	700	895	840	24 x 30	10	260
32"	800	1015	950	24 x 33	10	250
36"	900	1115	1050	28 x 33	10	300
40"	1000	1230	1160	28 x 36	10	300

ATAG reserves the right to make changes without notice, by virtue of any quality improvements and/or product specifications • apr_18 rdb