



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		
	1,8	15	1"	25	10	115	85	4 x 14	130	ERP 25.10 ²⁾
	3,3	15	1 1/4"	32		140	100	4 x 18		ERP 32.10
	3,9	20	1 1/2"	40		150	110	4 x 18		ERP 40.10
	4,5	30	2"	50		165	125	4 x 18		ERP 50.10
	5,2	50	2 1/2"	65		185	145	4 x 18		ERP 65.10
	6,8	85	3"	80		200	160	8 x 18		ERP 80.10
	7,9	125	4"	100		220	180	8 x 18		ERP 100.10
	9,8	185	5"	125		250	210	8 x 18		ERP 125.10
	12,2	250	6"	150		285	240	8 x 22		ERP 150.10

Type ERP



RED SPOT expansion joints for sanitary installations, highly flexible for cold and warm water, pool water, sea water, drinking water. Temperature range (depending on medium) - 40oC up to +90oC, temporarily up to +120oC. Electrically dissipative.

Not suitable for all kinds of mineral oil products, cooling water with added oil containing corrosion preventatives, oily compressor air, for permanent working pressure > 10 bar.

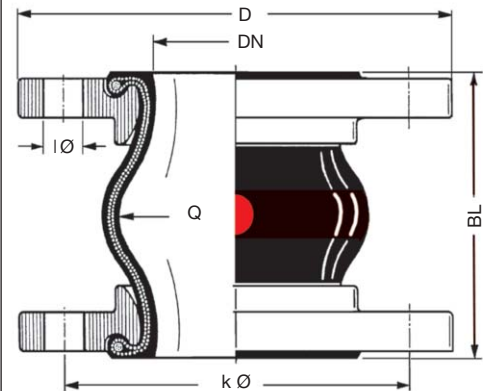
Liner : Butyl (IIR) / EPDM, seamless

Reinforcement : PA textile cord

Cover : EPDM

Marking : Red spot, ERV DN ..., PN 10, production date

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



1) Examples. - Other flange standards and materials see catalogue pages 1-31/3.

2) For rubber expansion joints DN 25 bellows DN 32 are used.

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Range of Movement Type ERP

ERP		Installation length		Allowable static range of movement in service with usage of collar flanges up to 50° C			
		EL min. [mm]	EL max. [mm]	L min. [mm]	L max. [mm]	I [mm]	angular
Length BL [mm]	Bellow Size DN [mm]			axial		lateral	
130	25 - 80	120	135	100	150	± 30	± 30
	100 - 150	100	135	100	150	± 30	± 20

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	-300	-300	-300	-300	-200	-200	-200	-100											
with VSD			-500	-500	-400	-400	-400	-300											
with VSR							-500	-400											

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

This certificate for type ERP can be downloaded from www.flexej.co.uk



Overview of all certificates on catalogue page 1-2