

Elaflex Red Spot / ERP

Specification

For sanitary installations, highly flexible for cold and warm water, pool water, sea water and drinking water (WRAS approved).

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.

Materials

- Liner Butyl (IIR)/EPDM, seamless
- Reinforcement PA textile cord
- Cover EPDM
- Marking Red spot, ERV DN .., PN 10, production date
- Flanges* Swivelling, DIN PN 10 carbon steel, zinc plated

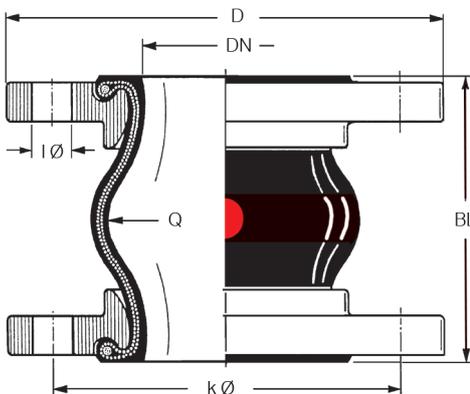
Operating conditions

Temperature range (depending on medium)
 -40°C up to +90°C, temporarily up to +120°C.
 Electrically dissipative.

Notes

- * Table shows PN10/16 flanges – many other flange types are available
 - * For rubber expansion joints DN 25 bellows DN 32 are used
- Specifications subject to change without notice © ELAFLEX

Bellow size DN	Length BL		PN	Weight approx.	Effect. area	Flange measurements mm *			Part number *
	in.	mm				mm	bar	D	
1"	25	130	10	1.8	15	115	85	4 x 14	ERP 25.10 *
1¼"	32	130	10	3.3	15	140	100	4 x 18	ERP 32.10
1½"	40	130	10	3.9	20	150	110	4 x 18	ERP 40.10
2"	50	130	10	4.5	30	165	125	4 x 18	ERP 50.10
2½"	65	130	10	5.2	50	185	145	4 x 18	ERP 65.10
3"	80	130	10	6.8	85	200	160	8 x 18	ERP 80.10
4"	100	130	10	7.9	125	220	180	8 x 18	ERP 100.10
5"	125	130	10	9.8	185	250	210	8 x 18	ERP 125.10
6"	150	130	10	12.2	250	285	240	8 x 22	ERP 150.10



Product by FlexEJ Ltd

For technical assistance & sales
 t: +44 (0)1384 881188
 e: sales@flexej.co.uk

Elaflex Red Spot / ERP

Range of movement

Red Spot ERP		Installation length		Axial *		Lateral *	Angular *
Length	Bellow size	EL min.	EL max.	L min.	L max.	l	degree
BL	DN						
mm	mm	mm	mm	mm	mm	mm	degree
130	25-80	120	135	100	150	± 30	± 30
	100-150	120	135	100	150	± 30	± 20

* Allowable static range of movement in service with usage of collar flanges up to 50°C
Please note: Data not valid for *combined* movements

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 of standard length and non swelling media. For swelling media use a safety factor. A compressed installation improves the table listed vacuum resistance. The maximum permissible elongation (L max.) reduces the vacuum resistance by 50%.

In this case we recommend using vacuum support spirals or vacuum support rings (see page 41 of the Elaflex section).
For dependencies of overpressure, range of movement and temperature please see table on page 8 of the Elaflex section.

Approvals

These certificates can be obtained from sales@flexej.co.uk
There is an overview of all certificates on page 47 of the Elaflex section

