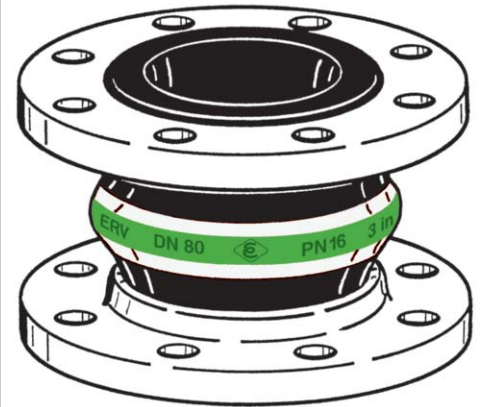




Section 1	Weight ≈ kg	Effect. Area Q [cm ²]	Size DN		Press bar	Flanges ¹⁾ Measurements [mm]			Length mm BL	Part ¹⁾ Number Type
			in.	mm		D	k Ø	l x Ø		
	1,9	15	1"	25	16	115	85	4 x 14	130	VITEX 25.16 ²⁾
	3,4	15	1 1/4"	32		140	100	4 x 18		VITEX 32.16
	4,0	20	1 1/2"	40		150	110	4 x 18		VITEX 40.16
	4,6	30	2"	50		165	125	4 x 18		VITEX 50.16
	5,3	50	2 1/2"	65		185	145	4 x 18		VITEX 65.16
	6,9	85	3"	80		200	160	8 x 18		VITEX 80.16
	8,0	125	4"	100		220	180	8 x 18		VITEX 100.16
	9,9	185	5"	125		250	210	8 x 18		VITEX 125.16
	12,3	250	6"	150		285	240	8 x 22		VITEX 150.16
	16,5	400	8"	200		340	295	8 x 22		VITEX 200.10

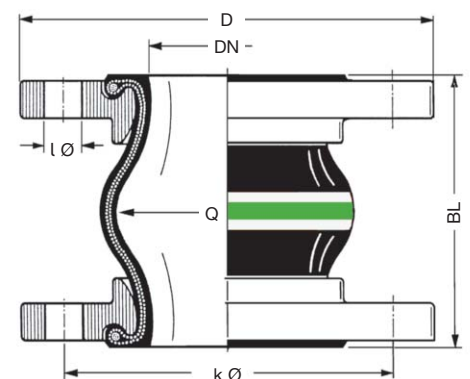
Type VITEX



VITEX expansion joints in High-Tech design with seamless FPM lining, a flexible safety compensator for petrochemical facilities, engines, power stations and flue gas desulphurisation plants. Suitable for strain with aggressive media. Very good resistance against hot oils, benzene, xylol, fuels with an aromatic content of more than 50%, bio diesel, aromatic/chlorinated hydrocarbons and mineral acids. Excellent resistance against weathering, ageing and ozone. Temperature range (depending on medium) from -15°C up to +90°C, temporarily up to 130°C.

- Liner* : FPM, seamless, no permeation, el. non-conductive
- Reinforcement* : PA textile cord, specially rubberized
- Cover* : ECO, electrically dissipative
- Marking* : White-green-white bands, ERV DN ..., PN 16, production date
- Flanges ¹⁾* : Swiveling, DIN PN 10/16, carbon steel, zinc plated

Working pressure up to 16 bar. Please note allowable utilisation ratio.



- 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 VITEX

VITEX		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	120	135	100	150	± 30	± 20
	200	115	140	105	160	± 30	± 10

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										
with VSD			max.	max.	max.	max.	max.	max.	-600										
with VSR							max.	max.	max.										

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 VITEX can be downloaded from www.flexej.co.uk



Overview of all certificates on catalogue page 1-2