

Compensators TYPE KP01



description:

Compensators are used, when vibrations have to be absorbed in a system.

features:

- Suitable for liquid media and non-hazardous gases
- Compensation for pipe expansion
- Compensation for misalignment

connection:

DN32 – DN300

construction:

straightway form

pressure:

0 – 16 bar – depending on design

design:

connection:

flange material:

sleeve:

pressure:

Expansion joint

flange DIN EN 1092-1

steel (electro galvanized)

design 00

EPDM

-10°C - +100°C

design 01

NBR

-10°C - +80°C

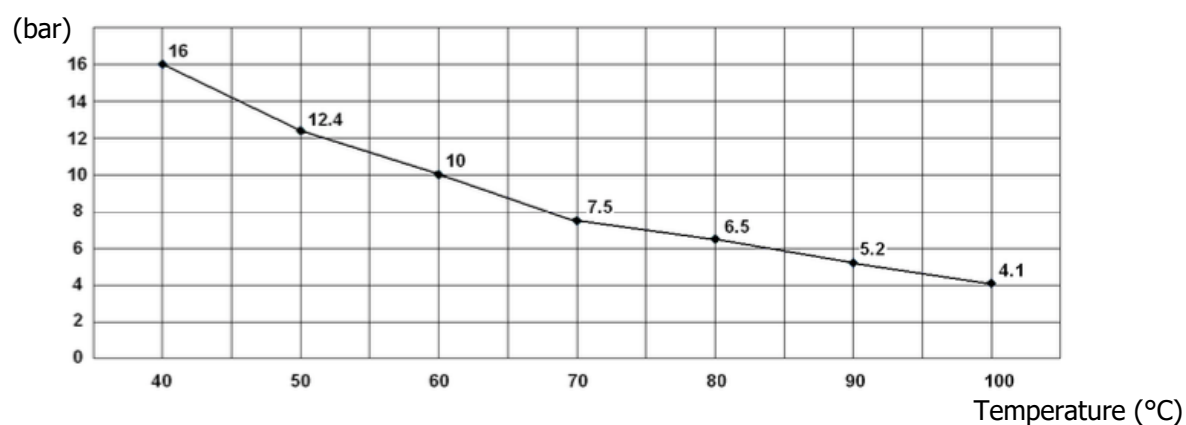
PN10/16

standards:

- acc. ISO 9001:2015
- 2014/68/EU

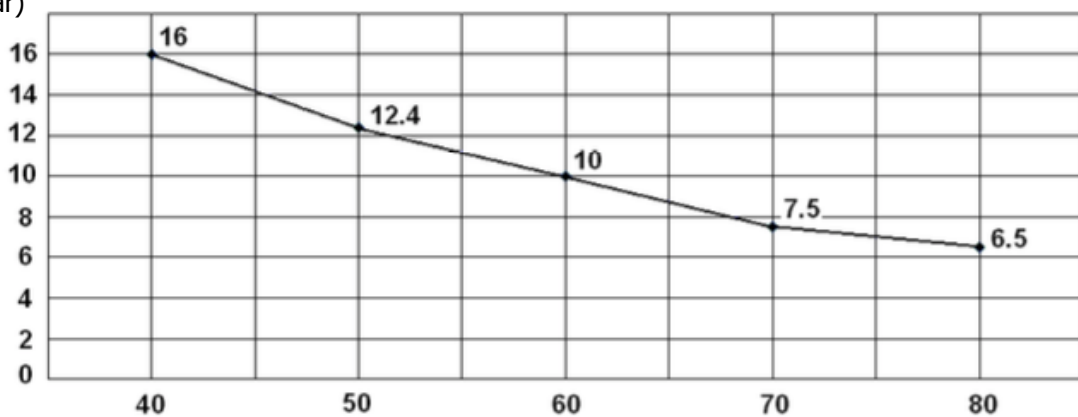
Pressure / Temperature graph:

EPDM



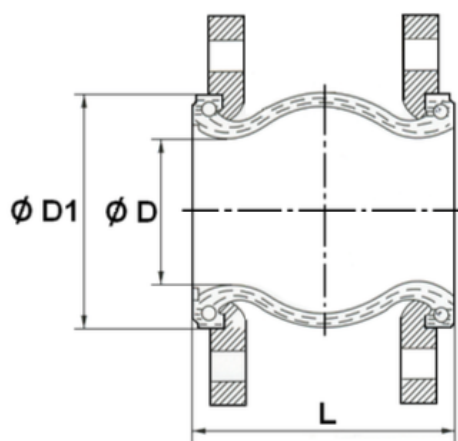
NBR

(bar)

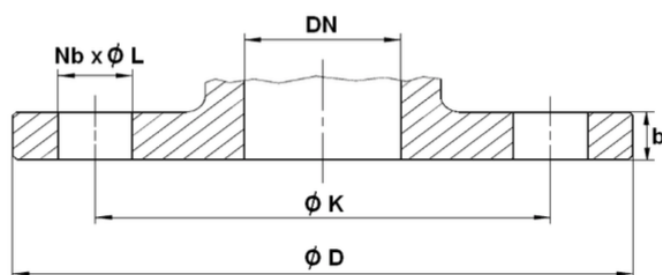


Temperature (°C)

dimensions

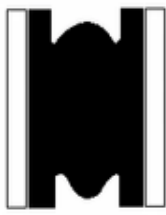


DN	32	40	50	65	80	100	125	150	200	250	300
L mm	95	95	105	115	130	135	170	180	205	240	260
D mm	29	37	47	57	74	91	119	145	199	241	294
D1 mm	69	79	90	108	124	145	179	209	261	320	370
Weig. kg	2,85	3,15	4,15	4,95	6,05	6,95	9,6	11,85	16,9	22,6	25,5

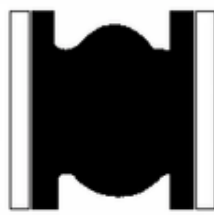


DN	32	40	50	65	80	100	125	150	200	250	300
PN acc. DIN EN 1092	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10	10	10
D mm	140	150	165	185	200	220	250	285	340	395	445
K mm	100	110	125	145	160	180	210	240	295	350	400
Nb x L	4x19	4x19	4x19	4x19	8x19	8x19	8x19	8x23	8x23	12x23	12x23
b	14	14	15	15	17	17	19	19	20	22	22

Movements



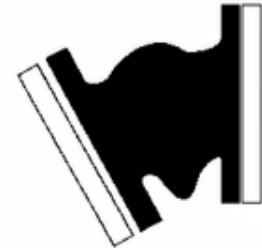
Compansion



Expansion



Lateral



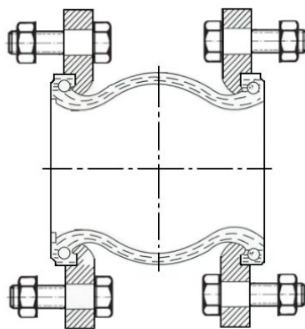
Angular

DN	32	40	50	65	80	100	125	150	200	250	300
Compansion mm	8	8	8	12	12	12	16	16	20	20	20
Expansion mm	4	4	4	6	6	10	10	10	14	14	14
Lateral mm	8	8	8	10	10	12	12	12	18	18	18
Angular	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°	15°

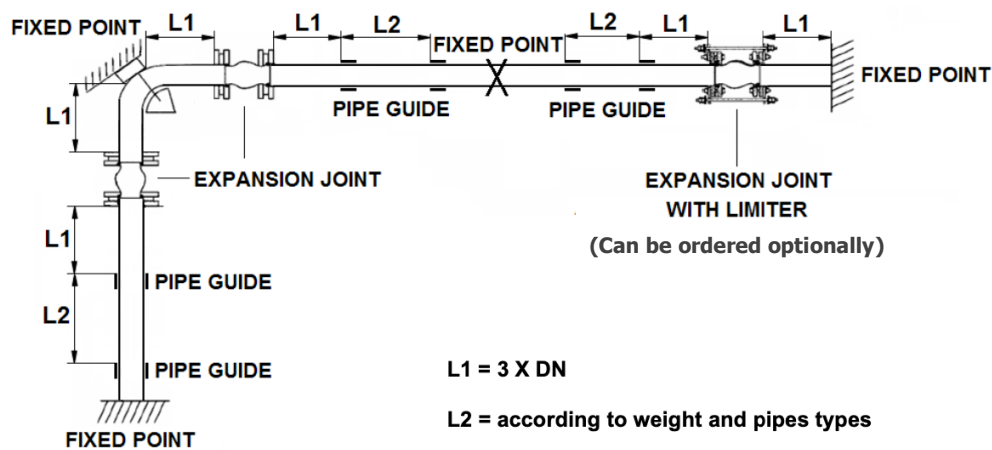
Important: Maximum movements can't be applied together

Important information for installation:

- The pipeline should be limited by fixed points
- The fixed points are dimensioned so that they can absorb the reaction forces during use
- The compensator must be protected from bad weather and solar radiation
- Make sure screws are oriented according to drawing below:



Example installation layout:



For further questions regarding installation for your specific situation, please contact our sales department

article number:

Type	Connection	Sleeve	Size
KP01	00 – Flansch DIN EN	00 – EPDM 01 – NBR*	06 – DN32
			07 – DN40
			08 – DN50
			09 – DN65
			10 – DN80
			11 – DN100
			12 – DN125
			13 – DN150
			14 – DN200
			15 – DN250
			16 – DN300

Example Nr. KP01000010:

KP01	00	00	10
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Compensators made of steel (electro galvanized)

Connection: flange acc. DIN EN 1092-1

Sleeve: EPDM

Soze: DN80

* available up to DN 200

Illustration similar, technical and dimensional changes reserved.