

FKP Polymer Technik GmbH

Kompensatoren

Produkte

Gummikompensatoren Übersicht

Produkt	Technische Eckdaten		
 Single Arch with Flange	SIZE	1"-12"	14"-24"
	Working Pressure	16 bar	8 bar
	Burst Pressure	48 bar	24 bar
	NO.	PART	MATERIAL
	1	Flange	Carbon steel / SS304 / SS316
 Rubber face single sphere	SIZE	1"-12"	14"-24"
	Working Pressure	25 bar	15 bar
	Testing Pressure	37.5 bar	22.5 bar
	Burst Pressure	75 bar	45 bar
	NO.	PART	MATERIAL
 Double arch with flange	SIZE	1"-12"	14"-24"
	Working Pressure	16 bar	8 bar
	Burst Pressure	48 bar	24 bar
	NO.	PART	MATERIAL
	1	Flange	Carbon steel / SS304 / SS316
 Double arch with union threads	SIZE	1/2"-3"	
	Working Pressure	10 bar	
	Burst Pressure	30 bar	
	Vacuum Rating	600mm/HG	
	Temperature	-15°C-100°C	
	NO.	PART	MATERIAL
	1	Union Threads	Malleable iron
	2	Outer/Inner Rubber	EPDM/NBR/NR
	3	Reinforcing fabric	Nylon cord fabric

Unsere Kunden



...

Produkte

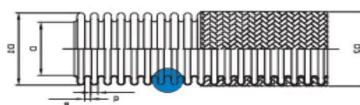
Metallkompensatoren Übersicht



Produkt	Übersicht
PN 2,5	
ANS PN 2,5	Weld ends, NB 8" - 48", PSI 36
PN 6	
ANS PN 6	Weld ends, NB ½" - 6", PSI 87
CU 6 PN 6	Copper ends for soldering, ½" - 2", PSI 87
AU 6 PN 6	BSP union ends, NB ½" - 2", PSI 87
PN 16	
ANS PN 16	Weld ends, NB ½" - 12", PSI 230
ALS EURO PN 16	Ends, inner sleeve, NB ½" - 12", PSI 230
ANL PN 16	Neck collar and floating flange, NB 1½" - 8", PSI 230
ANL130 PN 16	Neck collar and floating flange, NB 1½" - 8", PSI 230, overall length 130 mm
ANB130 PN 16	Bellow edge and floating flange, NB 3" - 14", PSI 230, overall length 130 mm
AUA PN 16	Male threaded (ISO 228), outer cover, NB ½" - 2", PSI 230
ABS PN 16	Weld ends, outer cover NB ½" - 2½", PSI 230
ABXI PN 16	Female threaded (ISO 7-1), outer cover NB ½" - 2", PSI 230
Expansion joints for district heating	
RXA	Externally pressurized, weld ends, NB ½" - 12", PSI 230
DX1S PN 16	Ends, inter and outer sleeve, NB 1" - 24", PSI 230
DX1S PN 25	Ends, inter and outer sleeve, NB 1" - 24", PSI 360
DX3S PN 16	One off, weld ends, outer cover, NB 1½" - 24", PSI 230
DX3S PN 25	One off, weld ends, outer cover, NB 1½" - 24", PSI 360

Produkte

Metallschläuche Übersicht

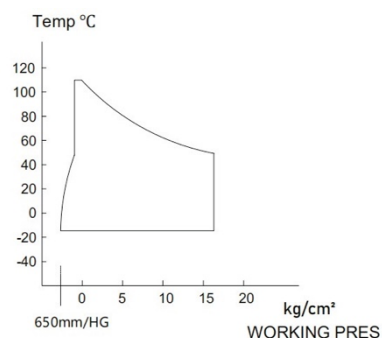
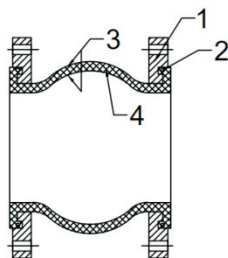


Produkt	Übersicht
MH1	Metal hose, single-wall, medium wall thickness, standard pitch
MH2	Metal hose, single-wall, heavy wall thickness, standard pitch
MH3	Metal hose, single-wall, medium wall thickness, close pitch
MHH52	Metal hose, high pressure version
MHD 22	Metal hose, double-wall, standard pitch
F 105	Weld-neck flange according to EN 1092-1, type 11
F 120	Weld neck collar with floating flange to EN 1092-1, types 34 and 04
F 130	Tubular nozzle w/ ring collar and floating flange acc. EN 1092-1, types 32 and 02
F 140	Weld-neck collar with floating flange according to EN 1092-1, types 37 and 02
N 205	Nipple with male thread according to EN ISO 228-1
N 215	Nipple with male thread according to EN 10226-1, on request NPT
M 315	Sleeve with female thread according to EN 10226-1, on request NPT
S 405	Tube socked for cutting ring union according to EN ISO 8434-1/L
S 415	Weld-end socket ISO
S 425	Weld end socket with longitudinal seam
V 510	Coupling with 24° taper seal with male thread according to EN ISO 228-1
V 512	Coupling with 60° taper seal and sphere with male thread according to EN 10226-1
V 514	Coupling with 24° taper seal with female thread according to ISO 7-1
V 516	Coupling with 24° taper seal and sphere with weld neck end
V 513	Carbon steel coupling w/ 60° taper seal + sphere w/ male thread (EN ISO 10226-1)
V 515	Carbon steel coupling w/ 60° taper seal and sphere w/ female thread (EN 10226-1)
V 517	Carbon steel coupling with 60° taper seal and sphere with ISO weld neck end
DKL	60°taper seal and sphere with male thread according to ISO 7-1
DKR	60°taper seal and sphere with female thread according to ISO 7-1
DKR-FLD	Carbon steel 2/3 coupling with Rp thread, socket flat face

Appendix

Technische Übersicht Gummikompensatoren

PolymerSYSTEMS® - SINGLE ARCH WITH FLANGE



TECHNICAL CONDITION

SIZE	1"-12"	14"-24"
Working Pressure	16 bar	8 bar
Burst Pressure	48 bar	24 bar

NO.	PART	MATERIAL
1	Flange	Carbon steel / SS304 / SS316
2	Pressurized ring	Carbon steel wires strand
3	Outer/inner rubber	EPDM / NBR / NEOP
4	Reinforcing fabric	Nylon cord fabric

SHEET OF MAIN PARAMETERS OF NORMAL CORE DIAMETER, LENGTH, DISPLACEMENT VALUE

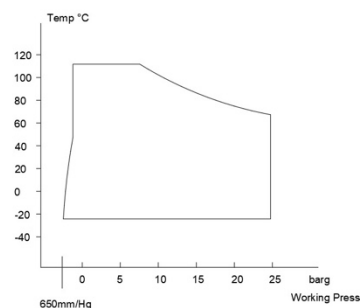
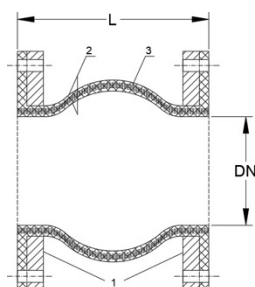
Normal core diameter		Length (L) (mm)				Axial displacement								Lateral (mm)				Angular	Vacuum (without vacuum ring)	Vacuum (with vacuum ring)
						Compression (mm)				Extension (mm)										
mm	inch	S-A	S-B	S-C	S-D	S-A	S-B	S-C	S-D	S-A	S-B	S-C	S-D	S-A	S-B	S-C	S-D		mm H.g.	mm H.g.
25	1	95	130			8	12			5	9			8	12			17°	600	600
32	1¼	95	130			8	12			5	9			8	12			17°	600	600
40	1½	95	130	150		10	12	13		5	9	9		8	12	13		14°	600	600
50	2	105	130	150		10	12	13		5	9	9		8	12	13		11°	600	600
65	2½	115	130	150	125	13	13	13	13	7	9	9	7	9	12	13	9	11°	600	600
80	3	135	130	150		13	13	13		9	9	9		12	12	13		14°	600	600
100	4	150	130	150	135	19	14	15	16	12	9	9	10	13	12	13	13	14°	600	600
125	5	165	130	150	170	19	14	15	19	12	9	9	12	13	12	13	13	11°	225	600
150	6	180	130	150		19	14	15		12	9	9		13	12	13		9°	225	600
200	8	210	130	150	205	25	14	15	25	14	9	9	14	22	12	13	22	8°	225	600
250	10	230	130	200	240	25	14	19	25	16	9	13	16	22	12	19	22	7°	150	250
300	12	245	130	200	260	25	16	19	25	16	9	13	16	22	12	19	22	6°	150	250
350	14	255	130	200	265	25	16	19	25	20	9	13	20	22	12	19	22	5°	150	250
400	16	255		200	265	25		19	25	20		13	20	22		19	22	4°	100	150
450	18	255		200	265	25		19	25	20		13	20	22		19	22	4°	100	150
500	20	255		200	265	25		19	25	20		13	20	22		19	22	3°	100	150
600	24	260		200	265	25		19	25	20		13	20	22		19	22	3°	100	150

NOTES:

- Other sizes and lengths available on request
- EPDM standard, other materials available (Neoprene, Butyl, Nitrile, SBR, Natural rubber)
- Applicable fluids: air, compressed air, water, sea water, hot water, weak acids, alkalis
- Flange drilling: JIS, DIN, ANSI, BS and other standard drilling available on request
- Tolerance for installation capped to 30% + movement
- Control rod installation capped at below ratings (test surge, operating, starting pump)

Size	1" - 4"	5" - 10"	12" - 14"	16" - 24"
Rating	150 psi	135 psi	90 psi	45 psi

PolymerSYSTEMS® - RUBBER FACE SINGLE SPHERE



SIZE	1"-12"	14"-24"
Working Pressure	25 bar	15 bar
Testing Pressure	37.5 bar	22.5 bar
Burst Pressure	75 bar	45 bar

NO.	PART	MATERIAL
1	Flange	Carbon steel / SS304 / SS316
2	Outer/inner rubber	EPDM / NBR / NEOP
3	Reinforcing fabric	Nylon cord fabric

SHEET OF MAIN PARAMETERS OF NORMAL CORE DIAMETER, LENGTH, DISPLACEMENT VALUE

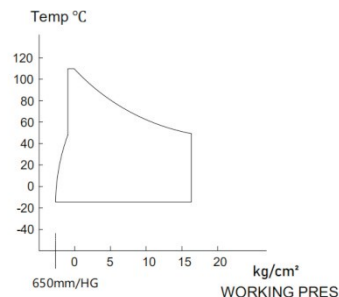
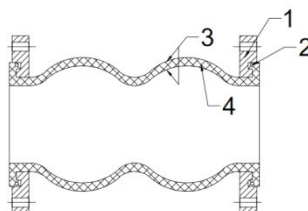
Nomal core diameter		Length (L) (mm)	Axial displacement		Lateral (mm)	Angular	Vacuum (without vacuum ring)	Vacuum (with vacuum ring)
			Compression (mm)	Extension (mm)			mm H.g.	mm H.g.
25	1	95	8	5	8	17°	600	600
32	1¼	95	8	5	8	17°	600	600
40	1½	95	10	5	8	14°	600	600
50	2	105	10	5	8	11°	600	600
65	2½	115	13	7	9	11°	600	600
80	3	135	13	9	12	14°	600	600
100	4	150	19	12	13	14°	600	600
125	5	165	19	12	13	11°	225	600
150	6	180	19	12	13	9°	225	600
200	8	210	25	14	22	8°	225	600
250	10	230	25	16	22	7°	150	250
300	12	245	25	16	22	6°	150	250
350	14	255	25	20	22	5°	150	250
400	16	255	25	20	22	4°	100	150
450	18	255	25	20	22	4°	100	150
500	20	255	25	20	22	3°	100	150
600	24	260	25	20	22	3°	100	150

NOTES:

- Other sizes and lengths available on request
- EPDM standard, other materials available (Neoprene, Butyl, Nitrile, SBR, Natural rubber)
- Applicable fluids: air, compressed air, water, sea water, hot water, weak acids, alkalis
- Flange drilling: JIS, DIN, ANSI, BS and other standard drilling available on request
- Tolerance for installation capped to 30% + movement
- Control rod installation capped at below ratings (test surge, operating, starting pump)

Size	1" – 4"	5" – 10"	12" – 14"	16" – 24"
Rating	150 psi	135 psi	90 psi	45 psi

PolymerSYSTEMS® - DOUBLE ARCH WITH FLANGE



TECHNICAL CONDITION

SIZE	1"-12"	14"-24"
Working Pressure	16 bar	8 bar
Burst Pressure	48 bar	24 bar

NO.	PART	MATERIAL
1	Flange	Carbon steel / SS304 / SS316
2	Pressurized ring	Carbon steel wires strand
3	Outer/inner rubber	EPDM / NBR / NEOP
4	Reinforcing fabric	Nylon cord fabric

TABLE OF MAIN PARAMETERS OF NORMAL CORE DIAMETER , LENGTH , DISPLACEMENT VALUE

Nomal core diameter		Length (L) (mm)	Axial displacement		Lateral (mm)	Angular	Vacuum (without vacuum ring)	Vacuum (with vacuum ring)
mm	inch		Compression (mm)	Extension (mm)			mm H.g.	mm H.g.
32	1¼	165	175	50	30	38	38°	600
40	1½	165	175	50	30	38	38°	600
50	2	165	175	50	30	38	38°	600
65	2½	170	175	50	30	38	36°	600
80	3	175		50	30	38	36°	600
100	4	225	230	50	35	32	30°	600
125	5	225	230	50	35	32	25°	225
150	6	225	230	50	35	32	21°	225
200	8	325	330	50	35	28	17°	225
250	10	325	330	50	35	28	13°	150
300	12	325	330	50	35	28	9°	150
350	14	325	350	45	30	25	8°	150
400	16	350		45	30	25	7°	100
450	18	350		45	30	25	6°	100
500	20	350	400	45	30	25	6°	100
600	24	350	400	45	30	25	5°	100

NOTES:

- Other sizes and lengths available on request
- EPDM standard, other materials available (Neoprene, Butyl, Nitrile, SBR, Natural rubber)
- Applicable fluids: air, compressed air, water, sea water, hot water, weak acids, alkalis
- Flange drilling: JIS, DIN, ANSI, BS and other standard drilling available on request
- Tolerance for installation capped to 30% + movement
- Control rod installation capped at below ratings (test surge, operating, starting pump)

Size	1" – 4"	5" – 10"	12" – 14"	16" – 24"
Rating	150 psi	135 psi	90 psi	45 psi

PolymerSYSTEMS® - DOUBLE ARCH WITH UNION THREADS

KXT Series is designed for pipeline services to connect piping to equipment such as: pumps, chillers, cooling towers, compressors, blowers, fans, absorption machines. Installed next to mechanical equipment or between anchor points of piping systems and:

- Absorb pipe movement / stress
- Decrease systems noise
- Isolate vibration
- Compensate alignment / offset
- Protect against start up / surge forces

The Double Arch series is engineered for tough, demanding industrial and commercial applications in systems such as: air conditioning, heating and ventilating systems, chemical, petrochemical and industrial process piping systems, power plants, steel mills, marine service, pulp and paper manufacturing, water and wastewater sewage and pollution control systems.



NO.	PART	MATERIAL
1	Union Threads	Malleable Iron
2	Outer/Inner Rubber	EPDM/NBR/NR
3	Reinforcing fabric	Nylon cord fabric

TECHNICAL CONDITION

SIZE	1/2" - 3"
Working Pressure	10bar
Burst Pressure	30bar
Vacuum Rating	600mm/HG
Temperature	-15°C-100°C

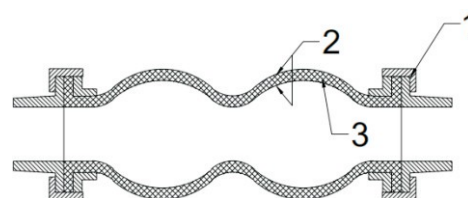


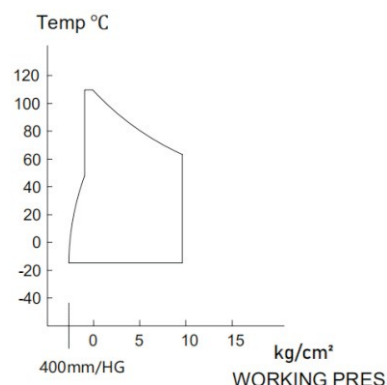
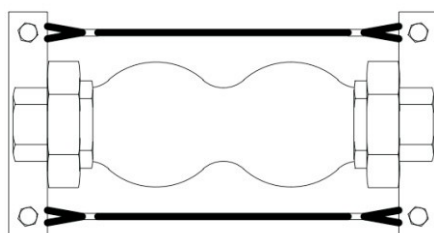
TABLE OF MAIN PARAMETERS OF NORMAL CORE DIAMETER, LENGTH, DISPLACEMENT VALUE

Normal core diameter mm	inch	Length (L) (mm)	Axial displacement		Lateral (mm)	Angular
			Compression (mm)	Extension (mm)		
15	1/2	200	22	6	22	30°
20	3/4	200	22	6	22	30°
25	1	200	22	6	22	25°
32	1 1/4	200	22	6	22	25°
40	1 1/2	200	22	6	22	20°
50	2	200	22	6	22	15°
65	2 1/2	265	24	8	22	12°
80	3	285	24	10	22	10°

NOTES:

1. Other sizes and lengths available on request
2. EPDM standard, other materials available (Neoprene, Butyl, Nitrile, SBR, Natural rubber)
3. Applicable fluids: air, compressed air, water, sea water, hot water, weak acids, alkalis
4. Flange drilling: JIS, DIN, ANSI, BS and other standard drilling available on request
5. Tolerance for installation capped to 30% + movement
6. Control rod installation capped at below ratings (test surge, operating, starting pump)

Size	1/2" - 3"
Rating	90 psi



Kontakt

FKP – Polymer Technik GmbH
Max Kahrergasse 25
A-3400 Klosterneuburg
Telefon +41 (0) 1 405 16 07
Fax +43 (0) 1 408 30 52
Mail: office@hasesystems.at
<http://www.hasesystems.at>

Geschäftsführer: Norman Travis-Thorp
UID: ATU68528818
FN 412805t