



DOCUMENTATION SHEET

Rubber Bellows

Type 3K2 Red

3K2 RED



General

Our rubber bellows are made from various elastomers and provide the flexible element in pipe work that is indispensable in today's technically advanced plant and machinery spaces.

By using the best quality proven rubber compounds and a construction based on many years of experience, our rubber bellows are produced to a high quality standard to guarantee maximum safety and performance.

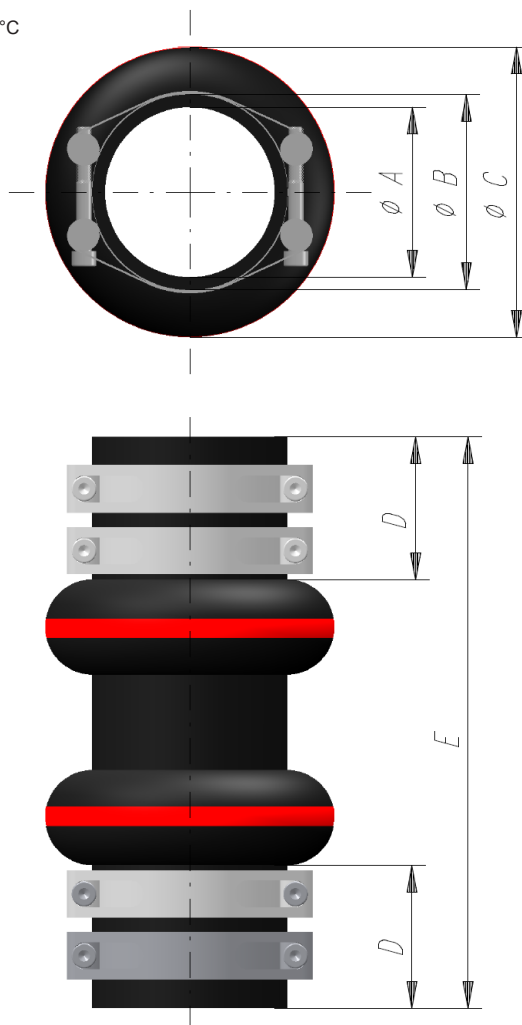
Rubber bellows are used in various fields of industry like shipbuilding, offshore, dredging, power plants, chemical industry, water works etc.

The rubber bellows provide:

- Compensation of thermal or mechanical movement of pipe work in axial, lateral and/or angular directions.
- Absorption and isolation of vibration combined with damping of pipe work borne sound transmission.
- Reduction of pressure pulses in pipe work.
- Compensation for pipe work misalignment on flexibly mounted installations.

Our program consists of rubber bellows with flanges, according all known standards as well as special connections, and rubber and silicone bellows for installation with hose clamps.

Maximum temperature: +120°C



DIMENSIONS



Rubber Design

vibration and noise control

As an addition to the flanged bellow range our 3K and 3K2 rubber bellows have been designed especially to provide small, low weight bellows which are both very flexible and simple to install.

The 3K ranges accommodate misalignment, axial and lateral pipe work movements and dramatically reduce the transmission of noise, vibration and shock.

High tensile strength aramide cord plies combined with proven synthetic rubber mixes guarantee maximum reliability and an extended working life.

The burst pressure safety factor is 5 times the working pressure of 4 Bar. The minimum work pressure is 70 kPa (abs) and can be lowered by fitting a vacuum support ring. Average installed insulation is about 25 dB, a figure which is further improved by compressed installation.

3K2 RED RING	Bellows dimensions					Allowable displacement			Weight	Min. Pressure	Max. Pressure	Advised Hose clamp
	ØA	ØB	C	D	E	Axial	Lat.	Ang.		(abs)		
	mm	mm	mm	mm	mm	mm	mm	°	kg	kPa	MPa	
Art.nr without clamps												
KV025.0K2000	25,0	35	85	55	225	-30/+14	+/-20	14	0,4	70	0,4	40
KV032.0K2000	32,0	45	94	55	225	-30/+14	+/-24	14	0,6	70	0,4	45
KV033.7K2000	33,7	47	96	55	225	-30/+14	+/-24	14	0,6	70	0,4	45
KV038.0K2000	38,0	50	116	50	225	-30/+14	+/-24	14	0,6	70	0,4	45
KV042.4K2000	42,4	55	123	60	225	-38/+18	+/-28	14	0,8	70	0,4	55
KV044.5K2000	44,5	58	124	60	225	-38/+18	+/-28	14	0,8	70	0,4	55
KV048.3K2000	48,3	61	125	60	225	-38/+18	+/-28	14	0,8	70	0,4	60
KV054.0K2000	54,0	67	130	60	225	-38/+18	+/-28	14	1,0	70	0,4	65
KV057.0K2000	57,0	70	130	60	225	-38/+18	+/-28	14	1,0	70	0,4	65
KV060.3K2000	60,3	73	131	70	285	-38/+18	+/-28	14	1,2	70	0,4	70
KV063.5K2000	63,5	74	134	70	285	-38/+18	+/-28	14	1,2	70	0,4	70
KV076.1K2000	76,1	89	155	70	285	-38/+18	+/-28	14	1,6	70	0,4	85
KV088.9K2000	88,9	102	169	95	360	-40/+24	+/-30	14	1,8	70	0,4	95
KV108.0K2000	108,0	125	202	100	400	-50/+24	+/-32	14	3,2	70	0,4	115
KV114.3K2000	114,3	131	205	100	400	-50/+24	+/-32	14	3,4	70	0,4	125
KV115.8K2000	115,8	133	205	100	400	-50/+24	+/-32	14	3,4	70	0,4	125
KV139.7K2000	139,7	157	234	100	400	-50/+24	+/-32	14	4,0	70	0,4	150
KV168.3K2000	168,3	185	292	100	415	-60/+28	+/-42	14	5,2	70	0,4	170

TABLE

Remark

Rubber bellows reinforced with aramide cord.

Pressure

The maximum working pressures are guaranteed by using the recommended power clamps in steel (galvanized) or stainless steel according to the table.



TYPE APPROVALS

3K2 RED

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