



DOCUMENTATION SHEET

Rubber Bellows

Selection table bellows with hose clamps

SELECTION TABLE
BELLOWS WITH HOSE CLAMPS

General

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

The rubber bellows provide:

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

Our rubber bellows are available in standard constructions, type **3K**, **3K2** and **4K**, each available in different rubber qualities, so that the correct rubber bellows can be selected for every kind of medium and temperature.

Identification marking	Inner lining Material and resistance	Outside cover Material and resistance
Yellow ring	NBR (Reinforced with <u>textile cord</u>) For fresh-, cold-, or seawater. Temp. range: -15°C + 90°C.	NBR
Red HP	EPDM (Reinforced with <u>aramide cord</u>) Hot-water constructions for heating installations with safe usage temperatures of 120°C.	EPDM Especially resistant for outside weather conditions as well as ageing.
Blue ring	EPDM (Reinforced with <u>aramide cord</u>) For drinking water, food and alcoholic beverages, also with fat containing foods such as oil.	EPDM Especially resistant for outside weather conditions, as well as oil age, ozone resisting.

TABLE

As an addition to the flanged bellow range our 3K and 3K2 rubber bellows have been designed especially to provide small, low weight rubber 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 texture 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. The maximum working pressures are guaranteed by using the recommended power clamps in galvanized or stainless steel.





SELECTION TABLE

BELLOWS WITH HOSE CLAMPS

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