

Data Sheet - Tied Pump Bellows – Type PB (Tied)

The Tied PB range of pump bellows, also known as flexible connectors, are designed to be used where the temperature and/or flow media is not suitable for moulded rubber bellows. The multiply bellows membrane is particularly effective for absorbing vibration, noise and the combination of lateral and axial movements, usually resulting from pumped systems on suction and discharge.



We can offer our Pump Bellows range both Tied and Untied. The tie bars will prevent elongation due to the internal pressure thrust. They are suitable for use on LTHW, MTHW, HTHW, Drinking Water, Steam & other gasses.

Standard construction

- Membrane: 316 Stainless Steel Multiply
- Mild Steel Oval Profiled Flanges
- BZP Tie Bars, Nuts and Spherical Washers

Working conditions

- Design Temperature: 300°C
- Design Pressure: 16 Bar
- Cold Test Pressure: 24 Bar

Options

- WRAS approved Vanstone ends to give all wetted parts in stainless steel
- Membranes in special alloys, ie Incoloy 825, 310 stainless steel etc
- Flanges to suit ie BS, JIS, DIN, ASA
- External covers / Insulation
- Internal Flow Sleeve

Codes	NB (Ins & mm)		LN (mm)	Axial Movement	Lateral Movement
PB050	2"	50	130	3	3
PB065	2½"	65	130	3	3
PB080	3"	80	130	4	3
PB100	4"	100	130	4	3
PB125	5"	125	150	3	3
PB150	6"	150	150	4	3
PB200	8"	200	200	4	3
PB250	10"	250	200	4	3
PB300	12"	300	200	4	3

Pump Bellows must be securely anchored & adequately guided to ensure their correct performance. Omitting anchors & guides may result in failure of the system. All Quick-Steel Ltd products should be installed in accordance with our fitting instructions.