

Flanged PN16 Tied Stainless Steel Bellows 1¼" - 8" (32mm - 200 mm)

- WRAS Approved
- Zinc Plated Carbon Steel Flanges
- Flanged to BS4504
- Bellows grade 321 stainless steel
- Item must be anchored

Description

Our tied stainless steel multi bellow pump connector is flanged to PN16. Designed to reduce noise and vibration, they are suitable to be used on steam, gasses, L.T.H.W. & Hot water systems. Maximum working temperature with rubber top hat washers is 120° C and 300° C if supplied with conical nuts and washers. Maximum working pressure is 16 bar. This unit has WRAS approval for drinking water.

Bellows must not be painted or insulated. They are necessary in systems (usually HVAC) that conveys high temperature or substances such as steam and exhaust gases, or they are to absorb movement and vibration. A typical joint is a set of metal flanges and a bellow which is often an elastomer such as rubber.



Description

Optimum solution designed to absorb large angular movements due to the flexible nature of the bellows. Proved to reduce water shock and has sound deadening effects. Offered in Swivel Flanges PN16 on both sides. Note for aggressive fluids please refer to resistance chart.



Beschreibung

Optimale Lösung zur Aufnahme großer Winkelbewegungen aufgrund der flexiblen Beschaffenheit des Faltenbalgs. Reduziert nachweislich Wasserstöße und hat schalldämpfende Effekte. Angeboten in Schwenkflanschen PN16 auf beiden Seiten. Hinweis für aggressive Flüssigkeiten siehe Beständigkeitstabelle.



Descripción

Solución óptima diseñada para absorber grandes movimientos angulares debido a la naturaleza flexible de los fuelles. Probado para reducir el impacto del agua y tiene efectos de amortiguación del sonido. Se ofrece en bridas giratorias PN16 en ambos lados. Nota para fluidos agresivos, consulte la tabla de resistencias.



Description

Solution optimale conçue pour absorber les grands mouvements angulaires dus à la nature flexible du soufflet. Prouvé pour réduire le choc hydrique et a des effets insonorisants. Offert en brides pivotantes PN16 des deux côtés. Remarque pour les fluides agressifs, veuillez vous référer au tableau de résistance.

Type JP23VS Tied Stainless Steel Flanged Pump Connector.

Now Available With Precision Fit Flexible Lagging Jackets To Suit JP23VS.

Specification Tied stainless steel pump connector consisting of multiply stainless steel grade 321 bellows assembly and mating surfaces (stainless steel wetted parts) fitted with zinc plated carbon steel van stone oval flanges complete with fully threaded tie bars and rubber top hat washers. Drilled to BS4504 NP16.

Application Tied Stourflex stainless steel pump connectors are designed to reduce noise and vibration from pumps and reciprocating machinery. They are suitable for use on HWS, L.T.H.W., M.T.H.W., Steam, Gasses and other non ferrous applications.

Maximum working temperature 120°C when supplied with rubber top hat washers.
 Maximum working temperature 300°C when supplied with steel conical nuts and washers.
 Maximum working pressure 16 bar.
 Stourflex tied stainless steel flanged pump connectors should not be used at both their maximum working temperature and pressure respectively.
 Maximum test pressure = 1.5 x working pressure or 1.5 x flange rating, whichever the lower.



Part number	N.B. (mm)	Installed Length (mm)	Axial Movement +/- (mm)	Lateral Movement (+/-mm)	Max Working Pressure (bar)	Max. Cold Test Pressure (bar)
	32	130	3	2	16	24
	40	130	3	2	16	24
	50	130	3	2	16	24
	65	130	3	2	16	24
	80	130	3	2	16	24
	100	130	3	2	16	24
	125	130	3	2	16	24
	150	130	3	2	16	24
	200	200	5	2	16	24
	250	200	5	2	16	24
	300	200	5	2	16	24

Where vacuum conditions or pressure and temperature exist above those stated, please check with us the sustainability of and effects on service life.

Tie bar assemblies can be fitted with rubber top hat, steel conical or steel mesh washers to suit application and temperature up to 300° C.

The type EJ9835 tied stainless steel flanged pump connector is available with stainless steel 321 internal flow sleeve on request.

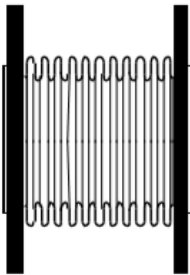
Alternative flange materials and drillings are available on request, including WRAS approved 25 bar rated (please contact us).

Please refer to guidance notes for the correct use and installation of pump connectors.

Installation, Operation and Maintenance Instructions For Stainless Steel Pump Connectors Tied and Untied

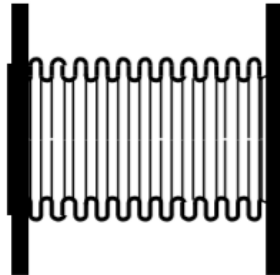
- Storage** Stainless steel flanged pump connectors should be stored in a clean dry area and be protected from damage caused by other items of plant and equipment.
- Inspection** Stainless steel flanged pump connectors should be inspected for external damage to the stainless steel convolutions prior to installation
- Selection** Check that the correct stainless steel flanged pump connector has been selected for the operating conditions that exist. If the pump connector is being used on potable or domestic hot water services ensure the unit has been supplied with stainless steel flanges.
- Installation** Stainless steel flanged pump connectors should be fitted at their correct installation length. They should not be compressed or extended. Pipework should be true and straight and adjustments made if dimensions exceed movement capabilities of the pump connectors being installed.

Correct Installation Length



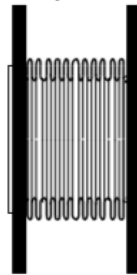
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Extension



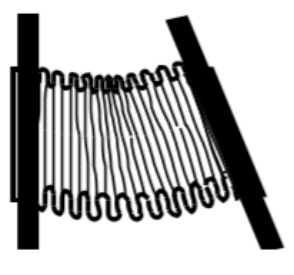
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Compression



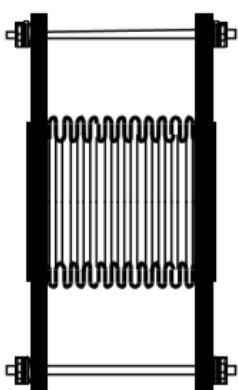
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Angulation



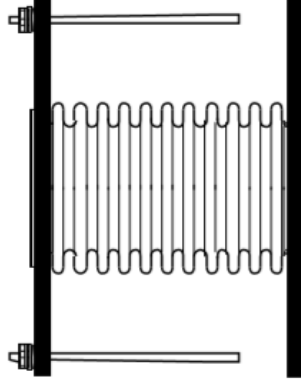
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Correct Installation Length



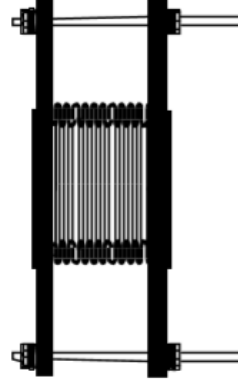
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Extension



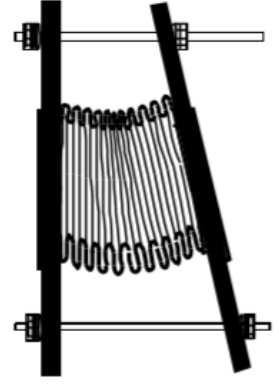
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Compression



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Angulation

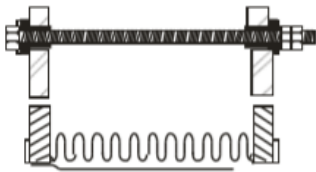


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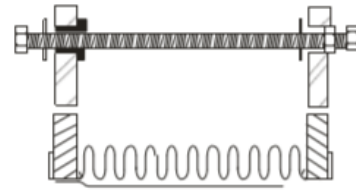
Installation, Operation and Maintenance Instructions For Stainless Steel Pump Connectors Tied and Untied Continued

Installation Continued

When tied stainless steel flanged pump connectors are being used they must be installed at their correct installation length. Ensure that the steel washers and rubber top hat washers have been correctly fitted. Tie bar assemblies should be uniformly tightened and bolts rechecked after approximately seven days.



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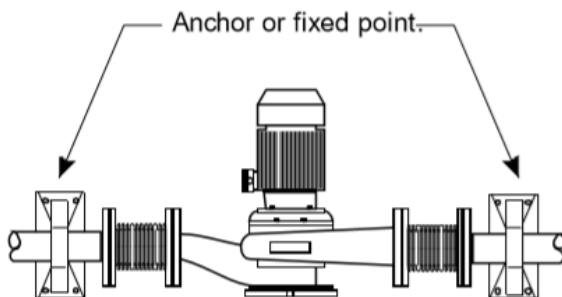
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Test Pressure

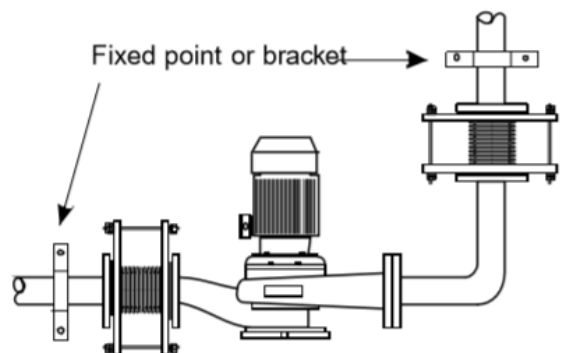
If a hydraulic pressure test is to be carried out on a system containing pump connectors ensure that the anchors have been correctly fitted before the test is carried out. Also ensure that the test pressure (usually 1.5 working) does not exceed the test pressure of the pump connector being installed.

Anchoring

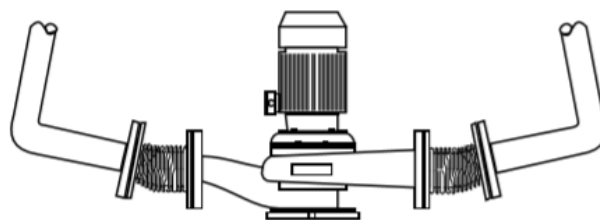
Stainless steel flanged pump connectors must be anchored to ensure their correct performance.



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Stainless steel flanged pump connectors will exert a pressure thrust in service and must be anchored to protect adjacent pipework and equipment. Stainless steel flanged pump connectors will extend under pressure and must be anchored to prevent this happening.

Maintenance

When properly installed and used at their correct operating temperature and pressure stainless steel flanged pump connectors will give many years of trouble free service. However they should be periodically inspected for signs of deterioration. End connections and flange bolts should also be checked and re-tightened if necessary. If insulation is to be used this should be removable to allow inspection to be carried out.