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PN16 Flanged Stainless Steel Hose Assembly



VIP Product Code
33/0624

VIP stainless steel flanged flexible connectors are designed to reduce noise and vibration from reciprocating machinery. They are suitable for use on L.T.H.W, M.T.H.W and steam systems.

MATERIALS OF CONSTRUCTION

Convuluted Hose: Stainless steel (grade 321)
Outer Protective Braid: Stainless steel (grade 304)
Fixed Flanges: Carbon steel drilled to EN1092-1 PN16

SPECIFICATION

Max. Working Temperature: 300°C
Max. Working Pressure: 16 Bar at 120°C
Test Pressure: 1.5x Working Pressure or 1.5x flange rating, whichever the lower.

VIP stainless steel flanged flexible connectors should not be used at both their maximum working temperature and pressure simultaneously. **All stainless steel connectors are available on request.**

VIP Product Code	N.B (mm)	Installed Length (mm)	Movement +/- (mm)	Test Pressure (bar)
33/0624/015	15	220	2	24
33/0624/020	20	220	2	24
33/0624/025	25	250	2	24
33/0624/032	32	300	2	24
33/0624/040	40	300	2	24
33/0624/050	50	300	2	24
33/0624/065	65	300	2	24
33/0624/080	80	300	2	24
33/0624/100	100	300	2	15
33/0624/125	125	300	2	15
33/0624/150	150	350	2	9

INSTALLATION

Please refer to the VIP Expansion Joint Installation sheet for guidance as to the correct handling and installation of these flexible connectors.

Please Note: Additional end connections are available. All hose lengths have a tolerance of up to 5%.



Installation, Operation And Maintenance Of VIP PN16 Flanged Stainless Steel Hose Assembly

STORAGE

Stainless steel flexible connectors should be stored in a cool, dark, clean area and be protected from damage caused by other items of plant and equipment.

INSPECTION

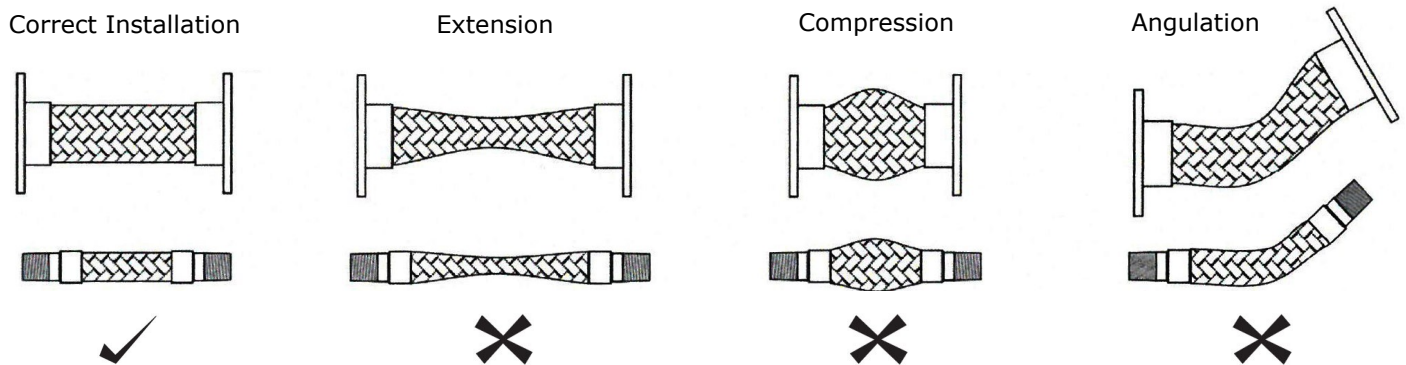
VIP Stainless steel flexible connectors should be inspected for external damage to the stainless steel overbraiding and hose convolutions.

SELECTION

Check that the correct stainless steel hose has been selected for the operating conditions that exist. Temperature, pressure and movement should all be confirmed, as the wrong selection may result in failure of the system. If the pump connector is being used on potable or domestic hot water services, ensure the unit is WRAS Approved and has been supplied with stainless steel end connections.

INSTALLATION

VIP stainless steel flexible connectors should be installed 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 flexible connectors being used.

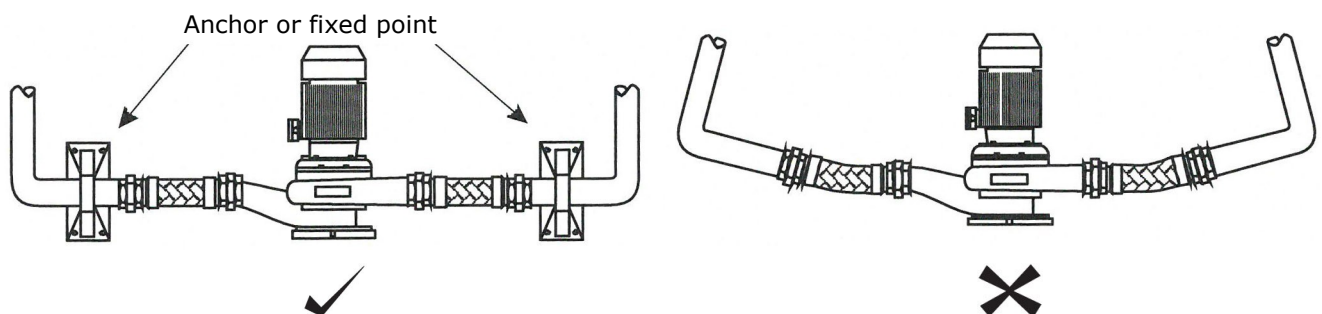


TEST PRESSURE

If a hydraulic pressure test is to be carried out on a system containing flexible connectors, ensure that the anchors are correctly fitted before the test is carried out. Also ensure that the test pressure (usually 1.5x working) does not exceed the maximum test pressure on the hose connector.

ANCHORING

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



VIP stainless steel flexible connectors will exert a small pressure thrust in service and must be anchored to protect adjacent pipework and equipment.

MAINTENANCE

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