



# flowbel<sup>®</sup>

Tied Flanged Flexible Connector

## DATA SHEET

First Publication Date: 01/09/2020

Revision: v1

Revision Date:



**16 Bar  
Rated**

PRESSURE  
RATING



CE MARKED

also available are  
Untied or Screwed  
Flexible Connectors

ex stock

# PRODUCT OVERVIEW

## **Flowbel** Tied Range Flanged Flexible Connector

The **flowbel** tied flexible connectors (bellows) are primarily for use in HVAC installations and are the perfect solution to absorb noise and vibration transference through pipework. Helping to prevent damage and undue downtime of equipment.

Tied relates to whether a rubber bellows is fitted with oval flanges and restraining tie bars (Tied)

Most rubber bellows are used on heating and chilled water systems. We offer an ethylene propylene diene monomer (EPDM) elastomer with a nylon reinforced body. EPDM exhibits excellent compatibility with hot and cold water.

For sizes 25mm to 300mm both Tied and Untied Units are suitable for a maximum operating pressure of 16bar (at ambient temperature). As with any other unrestrained expansion joint, rubber bellows will extend under pressure.

- Flanged PN16 BS4504
- EPDM Body
- Zinc Plated Carbon Steel Oval Flanges
- Nylon Cord Fabric with Steel Reinforcement
- Max Pressure: 16 Bar
- Working Temperature: -20°C to + 100°C

# MODELS, DIMENSIONS & ELECTRICAL DATA

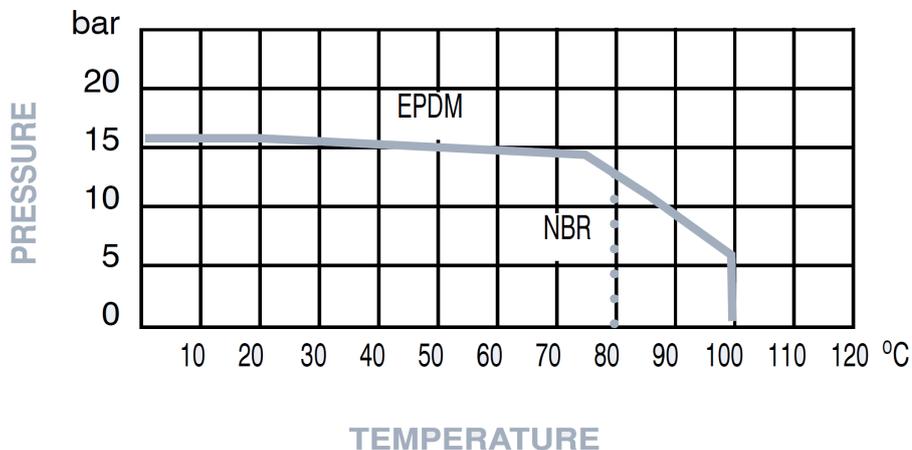
Flowbel Tied Range  
Flanged Flexible Connector

MODEL	L	L1	D	D1	H	Ø-n	Ø1-n	HD	DA	Ext	Comp	Kgs
flowbel 32mm PN16 Tied Flexibles	222	184	140	100	130	18-4	18-2	12	15°	8	15	4.12
flowbel 40mm PN16 Tied Flexibles	232	194	150	110	130	18-4	18-2	12	15°	8	15	4.76
flowbel 50mm PN16 Tied Flexibles	247	209	165	125	130	18-4	18-2	12	15°	8	15	6.47
flowbel 65mm PN16 Tied Flexibles	267	229	185	145	130	18-8	18-2	12	15°	8	15	8.1
flowbel 80mm PN16 Tied Flexibles	286	246	200	160	130	18-8	20-2	12	15°	8	15	9.6
flowbel 100mm PN16 Tied Flexibles	306	266	220	180	130	18-8	20-2	12	15°	8	15	10.8
flowbel 125mm PN16 Tied Flexibles	336	296	250	210	130	18-8	20-2	12	15°	8	15	14.8
flowbel 150mm PN16 Tied Flexibles	371	331	285	240	130	22-8	20-2	12	15°	8	15	17.1
flowbel 200mm PN16 Tied Flexibles	440	393	340	295	130	22-12	27-2	12	15°	8	15	22.8
flowbel 250mm PN16 Tied Flexibles	505	458	405	355	130	26-12	27-2	12	15°	8	15	34.0
flowbel 300mm PN16 Tied Flexibles	560	513	460	410	130	26-12	27-2	12	15°	8	15	41.9

# PERFORMANCE DATA

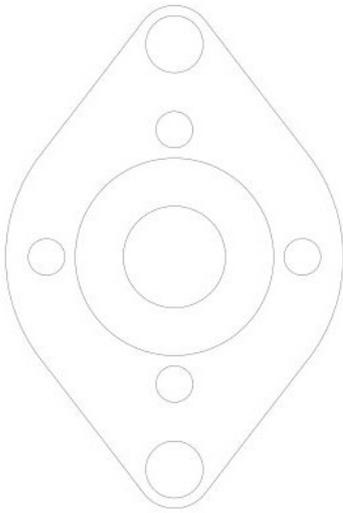
Flowbel Tied Range  
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## Pressure / Temperature

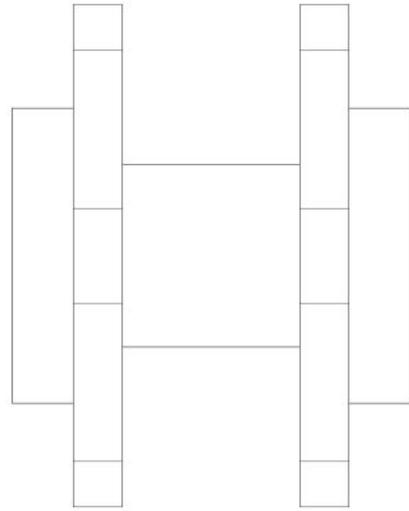


# DIMENSIONAL DRAWINGS & **SCHEMATICS**

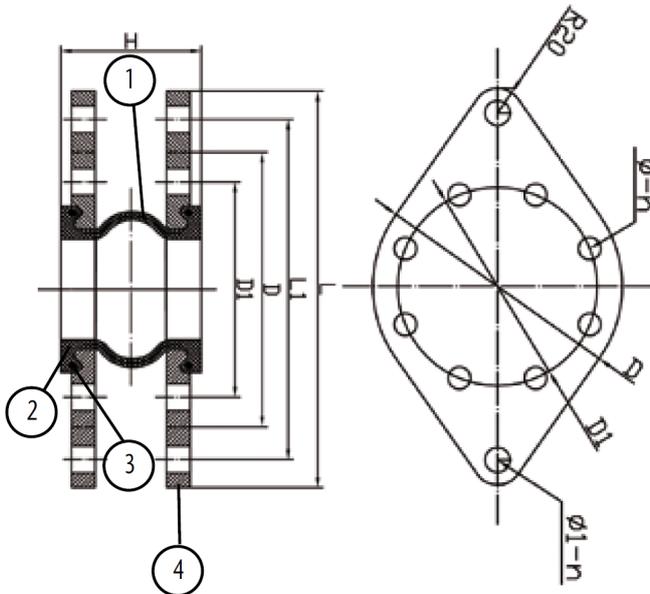
**Flowbel Tied Range**  
Flanged Flexible Connector



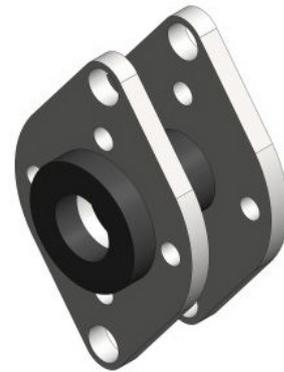
**FRONT VIEW**



**SIDE VIEW**



**Dimensions**



**3D Model**



**flowtech**<sup>®</sup>  
WATER SOLUTIONS

# flowzone<sup>®</sup>

MEMBERS AREA

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Our member's will be granted exclusive access to our technical resource library. Within this resource is a wide range of product information including data sheets, technical drawings, O&M Manuals and training videos



# flowcare<sup>®</sup>

AFTER SALES SERVICE

At **flowtech**<sup>®</sup> we operate a network of Service Engineers located throughout the UK who are supported by our offices located in Greater Manchester. The distribution of engineers means that in the majority of cases we are less than 4 hours away from attending a customer call out.

We place great emphasis on providing technical back up to support our Service Engineers in resolving some difficult operational and technical issues. We pride ourselves on completing a project on time, within budget and never leaving a problem unresolved, or a customer waiting. This quality of service has made us the first choice for our customers.

FOR FURTHER INFORMATION OR ASSISTANCE

## contact us

Flowtech Water Solutions are experts in water services and water booster sets. We have continuously supplied a wide range of standard and custom products since being founded in 1996.

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