



# FERRIER PUMPS LTD

Edinburgh • Glasgow • Aberdeen

www.ferrierpumps.co.uk

## BRAIDED FLEXIBLES

➤ *Design flexibility*

➤ *Ease of maintenance and replacement*

➤ *Minimal waste (with no pipes to cut to waste).*

➤ *Reduction in noise and an allowance for expansion*

### Connection Applications

Braided Flexibles help keep costs to a minimum. They are ideal for overcoming space restrictions and for connecting non aligned components, without the need for brazed joints and bends, giving:

- Design flexibility.
- Ease of maintenance and replacement.
- Minimal wastage (with no pipes to cut to length).
- Reduction in noise and an allowance for expansion.

Ferrier Pumps stock standard Braided Flexibles in several sizes. We can also supply to order.

- Various construction materials
- Insulated versions

Typical applications include:

- Fan Coil Units
- Air Handling Units.
- Small pumps.
- Isolation of pipework.
- Connection to sanitation equipment.
- Final connections of gas appliances.

Call our technical sales advisors, who can assist you with selecting the correct Braided Flexible for your application.

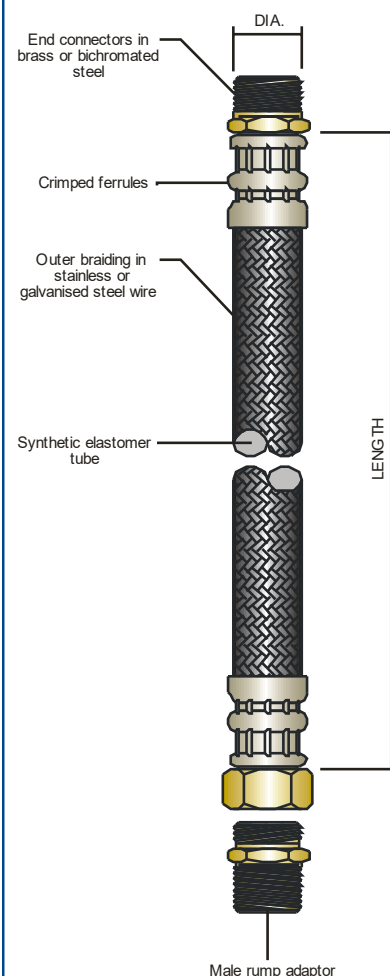
### Available in the following standard sizes

Diameters (BSP)	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
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Lengths	300mm	450mm	600mm
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### Pressure Rating Table

DIMENSIONS	Connector	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
	Internal Diameter	15	20	26	32	40	50
	External Diameter	22	28	35	43	53	67
	Passage at the connectors	12	17	22	28	35	43
*OPERATING PRESSURE (bar)	Galvanised steel braid	15	12	10	8	7	-
	Stainless steel braid	20	17	13	11	8	7
BURSTING PRESSURE (bar)	Galvanised steel braid	75	60	50	40	35	-
	Stainless steel	100	85	65	55	40	37



\* At operating temperature of 110°C

**Discuss your application requirements when you order to ensure satisfactory performance**

### Edinburgh Depot

Burlington Street, Leith  
Edinburgh, EH6 5JL  
Tel: 0131 553 4001  
edinburgh@ferrierpumps.co.uk

### Glasgow Depot

71 Cumbernauld Road, Dennistoun  
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### Aberdeen Depot

Units 4 & 5, Barclayhill Place  
Portlethen, Aberdeen AB12 4PF  
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## FLEXIBLE BELLOWS

(UNTIED)

- Isolate vibration & eliminate noise transmission
- Suitable for both LPHW and chilled water
- Corrosion resistant and maintenance free
- Potable water grade Bellows available
- WRAS approved product, no. 1507334



### Flexible Bellows

United Flexible Bellows are moulded and fabricated units, eliminating pipe line noise transmission.

Available with standard and non standard flange drilling, they cater for a wide range of Building Services or Industrial applications including:

- Chilled Water
- LPHW
- Pressures up to 16 bar
- Temperatures up to 85 degrees centigrade

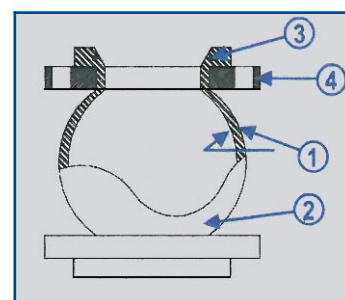
Manufactured to a high standard, the units are:

- 100% leak proof.
- Corrosion resistant.
- Maintenance free.

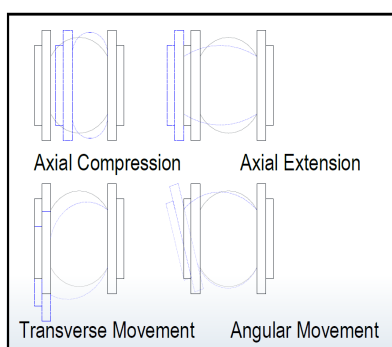
They can be incorporated in a variety of designs to solve noise problems and isolate vibration, making them popular additions at pump suction/discharge connections.

Standard flange drilling  
conforms to BS4505 NP6  
or NP16

Discuss alternative drilling  
requirements with our  
Technical Sales Advisors



Component Materials		
Item	Part	Material
1	Body	Heat Resisting Rubber
2	Body	Nylon Tyre Cord
3	Wire	Hard Steel Wire
4	Flange	Mild Steel



Maximum Working Pressure @ 50 C = 7 bar  
Maximum Working Pressure @ 85 C = 3.5 bar  
(Typical application values, check with our sales advisors)

### Dimensions and Allowable Movements

Nominal Diameter		Natural Installed Length	Allowable Movements from Natural Length				Pressures	
			Axial Compression	Axial Extension	Lateral Deflection	Angular Deflection	Positive P.S.I.G at	Vacuum
		mm	(mm)	(mm)	(mm)	(mm)	Deg C	(mm)
Inch	mm	125	10	5	10	10	225	660
1 1/4"	32	125	10	5	10	10	225	660
1 1/2"	40	125	10	5	10	10	225	660
2"	50	125	10	5	10	10	225	660
2 1/2"	65	125	10	5	10	10	225	660
3"	80	125	10	5	10	10	225	660
4"	100	125	10	5	10	10	225	660
5"	125	125	10	5	10	10	225	660
6"	150	125	7	5	7	7	225	660

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