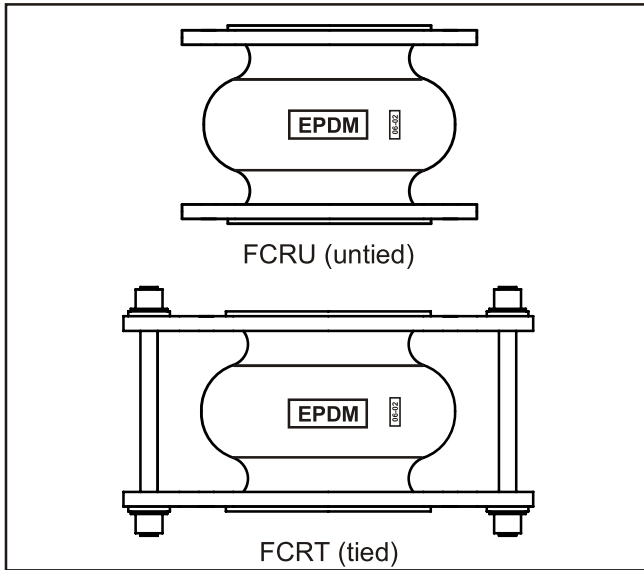


# RUBBER FLEXIBLE CONNECTORS

## Model FCRU + FCRT



### APPLICATIONS

Rubber flexible connectors are designed to reduce noise and vibration transmission from plant items.

These models have inert EPDM rubber to ALL wetted parts, and can be used accordingly on steel, copper or plastic pipes for the following applications:-

Low Temperature Heating (LTHW)  
Chilled Water, inc. glycol (CHW)  
Condenser Water (Cond.W)  
Compressed Air (Oil Free)  
Waste Water  
Sewerage

Models with NBR rubber to all wetted parts can be used for:-

Fuel Oil  
Gas  
Compressed Air (Containing Oil)

Nominal Size DN (mm)	Installation Length (mm)	Axial Compression (mm)	Axial Elongation (mm)	Lateral Shear (mm)	Product Code (MODEL-SIZE-OAL-ENDS)
25	130	10	5	10	FCR(U)(T)-025-130-PN##
32	130	10	5	10	FCR(U)(T)-032-130-PN##
40	130	10	5	10	FCR(U)(T)-040-130-PN##
50	130	10	5	10	FCR(U)(T)-050-130-PN##
65	130	10	5	10	FCR(U)(T)-065-130-PN##
80	130	10	5	10	FCR(U)(T)-080-130-PN##
100	130	10	5	10	FCR(U)(T)-100-130-PN##
125	130	10	5	10	FCR(U)(T)-125-130-PN##
150	130	10	5	10	FCR(U)(T)-150-130-PN##
200	130	10	5	10	FCR(U)(T)-200-130-PN##
250	130	10	5	10	FCR(U)(T)-250-130-PN##
300	130	10	5	10	FCR(U)(T)-300-130-PN##
350	200	10	5	10	FCR(U)(T)-350-200-PN##
400	200	10	5	10	FCR(U)(T)-400-200-PN##
450	200	10	5	10	FCR(U)(T)-450-200-PN##
500	200	10	5	10	FCR(U)(T)-500-200-PN##
600	250	10	5	10	FCR(U)(T)-600-250-PN##

The data above is for non PED and SEP applications only.  
For more demanding applications, these flexible connectors must not be used.  
Refer to other flexible connector models.

### SPECIFICATION

FCRU - Untied model with nylon reinforced epdm rubber bellows and carbon steel round flanges.

FCRT - Tied model with nylon reinforced epdm rubber bellows and carbon steel 'profiled' flanges and tie bars with noise absorbing top hat rubber bushes.

Designed to FSA\* Standards. \*Fluid Sealing Association.

Conforms with PED\* 97/23/EC. \*Pressure Equipment Directive

Fully traceable and has the date of manufacture, nominal diameter, manufacturer, model and identifiable colour coding permanently moulded into the membrane.

Also available - nitrile (NBR), perbunan (NBR), hypalon (CSM), butyl (IIR), neoprene (CR), chloroprene (CR), viton (FPM), natural rubber (NR).

### OPERATING PARAMETERS

**Untied and Tied Flanged models:**

*for maximum life expectancies:*

Simultaneous Operating Maximums, TS,PT = 90 °C. up to 6 Barg.  
Simultaneous Operating Maximums, TS,PT = 70 °C. up to 8 Barg.  
Simultaneous Operating Maximums, TS,PT = 50 °C. up to 10 Barg.  
Cold Test Pressure, PT = 15 Barg.

*with reduced life expectancies:*

Simultaneous Operating Maximums, TS,PT = 90 °C. up to 10 Barg.  
Simultaneous Operating Maximums, TS,PT = 70 °C. up to 12 Barg.  
Simultaneous Operating Maximums, TS,PT = 40 °C. up to 16 Barg.

For Untied models, if the pipe/plant is not rigid, then the operating pressure must not exceed 3 Barg.

When fitting to plant that is mounted on anti-vibration mounts or on inertia bases, then the Tied Flanged model must be used.