

- PU Pneuflex coils are suitable for high mechanical deformations, machine tools, etc.
- Coils are supplied complete with swivel fittings at both ends
- High degree of flexibility
- Good resistance to abrasion and impact strength
- Very short diameter on windings

**Technical Data****Medium:**

Compressed air, water, inert gases, oils, hydrocarbons, solvents and any other fluid compatible with polyurethane

**Operating Pressure:**

See details overleaf

**Operating Temperature:**

-20°C to +50°C

See details overleaf

**Tube Sizes**

6, 8, 10, 12mm O/D

2, 4, 6, 8m maximum working lengths

**Thread Sizes:**

1/8, 1/4, 3/8 BSPT

**Materials:**

Tubing Coils: Polyurethane polyester based

Body and nut: brass nickel plated

Protection spring: steel, zinc plated

Seal: NBR

**Ordering Information**

To order, quote appropriate product numbers from the tables on the following page.



## General Information - PU Pneuflex Spring Coils

Product number	Diameter of tube D x d	A Length End A	B Length End B	Effective Working Length (m)	C Coil Length in neutral position (mm)	D Diameter on Windings	Max working pressure bar	E Thread
PU310600218	6 x 4	300	100	2	165	32	10	R <sup>1</sup> / <sub>8</sub>
PU310600418	6 x 4	300	100	4	350	32	10	R <sup>1</sup> / <sub>8</sub>
PU310600618	6 x 4	300	100	6	545	32	10	R <sup>1</sup> / <sub>8</sub>
PU310600818	6 x 4	300	100	8	720	32	10	R <sup>1</sup> / <sub>8</sub>
PU310800228	8 x 5	500	100	2	180	42	10	R <sup>1</sup> / <sub>4</sub>
PU310800428	8 x 5	500	100	4	400	42	10	R <sup>1</sup> / <sub>4</sub>
PU310800628	8 x 5	500	100	6	630	42	10	R <sup>1</sup> / <sub>4</sub>
PU310800828	8 x 5	500	100	8	800	42	10	R <sup>1</sup> / <sub>4</sub>
PU311000228	10 x 6,5	500	100	2	185	52	9	R <sup>1</sup> / <sub>4</sub>
PU311000428	10 x 6,5	500	100	4	400	52	9	R <sup>1</sup> / <sub>4</sub>
PU311000628	10 x 6,5	500	100	6	635	52	9	R <sup>1</sup> / <sub>4</sub>
PU311000828	10 x 6,5	500	100	8	800	52	9	R <sup>1</sup> / <sub>4</sub>
PU311200238	12 x 8	500	100	2	180	65	9	R <sup>3</sup> / <sub>8</sub>
PU311200438	12 x 8	500	100	4	390	65	9	R <sup>3</sup> / <sub>8</sub>
PU311200638	12 x 8	500	100	6	590	65	9	R <sup>3</sup> / <sub>8</sub>
PU311200838	12 x 8	500	100	8	780	65	9	R <sup>3</sup> / <sub>8</sub>

### Working Pressure/Temperature Conversion Factor

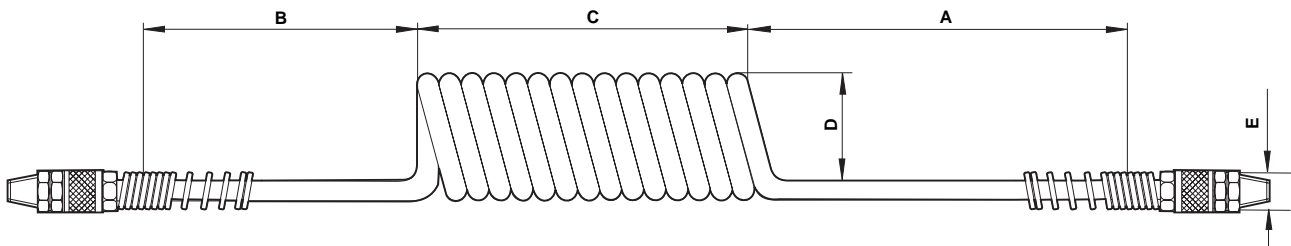
Working temperature °C	Factor
-20°C to +23°C	1,00
30c	0,85
40°C	0,70
50°C	0,60

To calculate working pressures at various temperatures, multiply working pressure by factor given in table.

### Mounting Method

Male thread and swivel fittings at both ends.  
PU Pneuflex Coils are coloured red.

### Dimensional Drawing



### Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under 'Technical Data'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

**System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.**

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products where applicable.