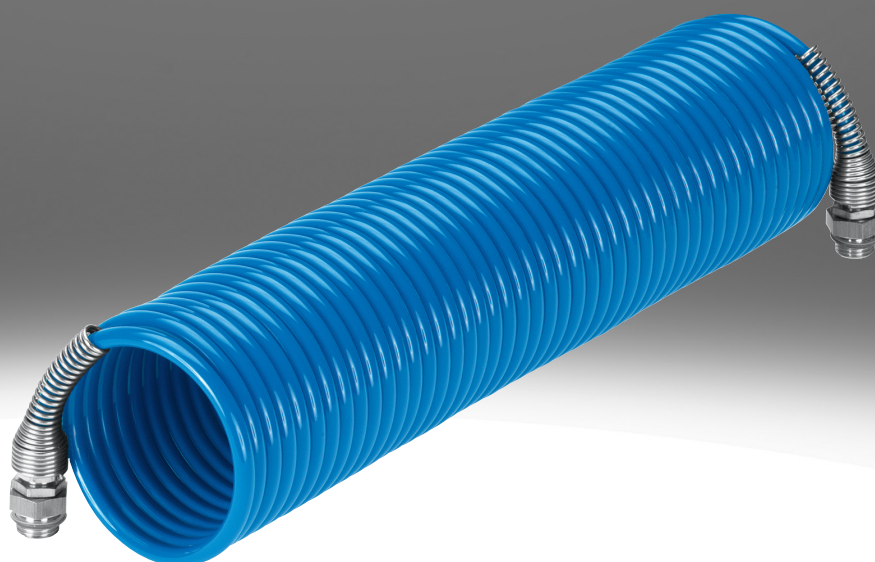


## Spiral plastic tubing PPS

**FESTO**



### Characteristics

#### At a glance

Thermally and mechanically extremely resilient, hydrolysis-resistant spiral plastic tubing.

- Polyamide, brass, galvanised steel
- Pre-assembled with 2 rotatable connectors and captive sealing rings OL
- Anti-kink protection springs to prevent kinking at both ends
- Highly resistant to microbes
- Operating medium: compressed air, vacuum

#### Diagrams

Further information → [pps](#)



#### Pipe/tubing I.D. [mm]

For this spiral tubing, the inside diameter of the tubing is specified as the tubing size.

#### Working length [m]

The working length is 80% of the maximum permissible extension.

## Type code

001	Series
PPS	Spiral plastic tubing, polyamide

002	Pipe/tubing I.D. [mm]
4	4.7
6	6.2

003	Working length [m]
7,5	7.5
15	15

004	Pneumatic connection
1/4	Male thread G1/4

005	Colour
BL	Blue

## Datasheet

## General technical data

Inside diameter	4.7 mm		6.2 mm	
Working length	7.5 m	15 m	7.5 m	15 m
Outside diameter	6.3 mm		7.8 mm	
Pneumatic connection, port 1	Male thread G1/4			
Pneumatic connection, port 2	Male thread G1/4			
Nominal torque	11 Nm			
Tolerance for nominal tightening torque	± 20%			
Winding diameter	75 mm			
Block length	0.34 m	0.67 m	0.43 m	0.8 m
Number of turns	44	90	43	86

## Operating and environmental conditions – PPS-4

Temperature-dependent operating pressure	-0.95 ... 21.2 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Ambient temperature	-30 ... 80°C
Corrosion resistance class CRC <sup>1)</sup>	1 - Low corrosion stress

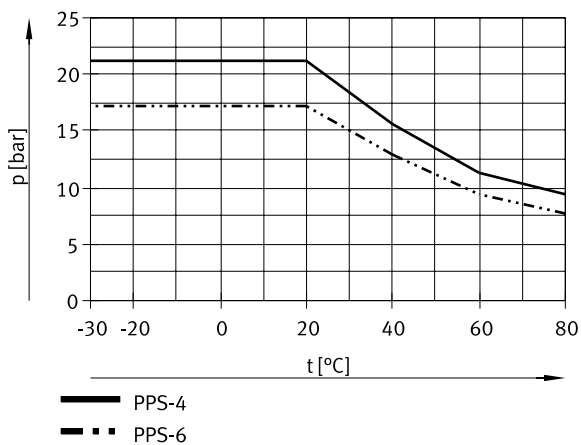
1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

## Operating and environmental conditions – PPS-6

Temperature-dependent operating pressure	-0.95 ... 17.2 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Ambient temperature	-30 ... 80°C
Corrosion resistance class CRC <sup>1)</sup>	1 - Low corrosion stress

1) More information: [www.festo.com/x/topic/crc](http://www.festo.com/x/topic/crc)

## Operating pressure p as a function of temperature t



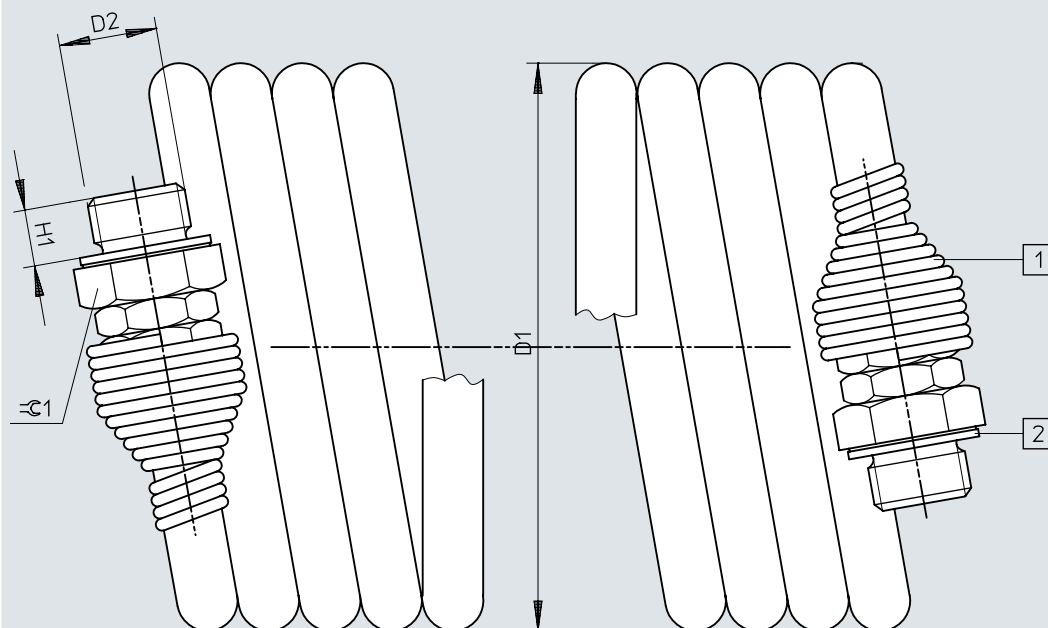
## Materials

Material tubing	PA12-P
Material connecting thread	Brass
Material buckling protection	Steel, Galvanised
Colour	Blue
Note on materials	RoHS-compliant
LABS (PWIS) conformity <sup>1)</sup>	VDMA24364-B2-L

1) Applies to PUN-H with O.D. 3 ... 16 mm and PUN-H-DUO

## Dimensions


## Dimensions – Spiral plastic tubing PPS

Download CAD data → [www.festo.com](http://www.festo.com)

- [1] Kink protection spring
- [2] Non-detachable seal

	D1 ∅	D2	H1	$\approx \text{C}1$
PPS...	75	G1/4	7,5	17

## Ordering data

Ordering data						
	Inside diameter	Working length	Block length	Product weight	Part no.	Type
	4.7 mm	7.5 m	0.34 m	249 g	<b>19798</b>	<b>PPS-4-7,5-1/4-BL</b>
		15 m	0.67 m	367 g	<b>19799</b>	<b>PPS-4-15-1/4-BL</b>
	6.2 mm	7.5 m	0.43 m	298 g	<b>19796</b>	<b>PPS-6-7,5-1/4-BL</b>
		15 m	0.8 m	500 g	<b>19797</b>	<b>PPS-6-15-1/4-BL</b>