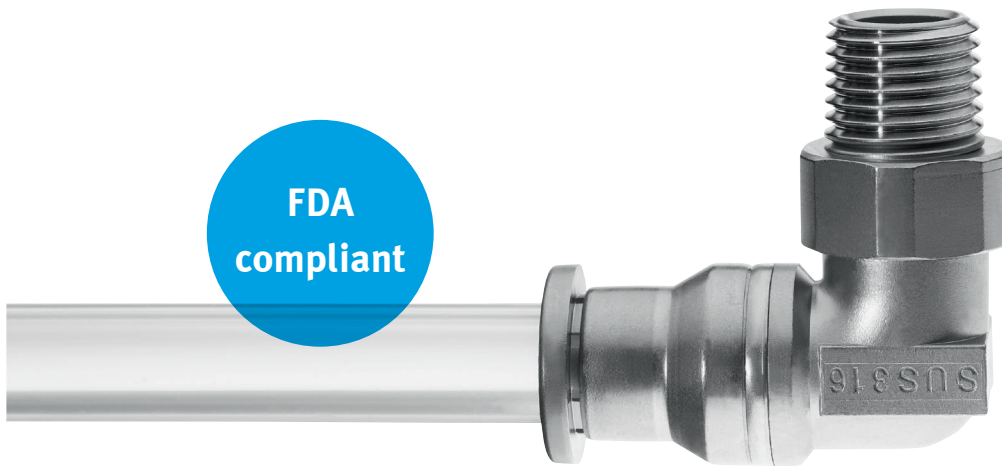


# PTFE polytetrafluoroethylene tubing PTFEN

FESTO



## Special requirements

### Highlights

- TSE free
- Resistant to cleaning agents
- Ideal for the food industry
- FDA-compliant material
- Highly resistant to temperatures and pressure

Process reliability is built in with the PTFE thanks to its material properties. It withstands even the most extreme environmental influences and operating conditions. This all-rounder meets the requirements of the chemical, pharmaceutical, cosmetics and food industries without any problems. It is resistant to temperatures, pressure and chemicals, is FDA compliant and is not affected by atmospheric conditions.

#### Pressure resistant...

... at 6 bar and 130°C. To ensure that your systems operate safely, the test factor is made up of four times the required safety.

#### Heat resistant...

... even at ambient temperatures of 150°C.

#### Resistant to chemicals...

... this applies to almost all chemicals.

#### Ideal for the food industry...

... FDA compliant, TSE free and hydrolysis resistant.

#### Easy to clean and robust...

... suitable for any application. The extremely smooth surface of the PTFE prevents microbes and other active agents and contaminants from sticking to it, making it easier for you to clean.

#### The best choice – thanks to expert know-how.

Our tested tubing/fitting combinations match each other perfectly. We always recommend a combination that precisely suits your application.

# PTFE polytetrafluoroethylene tubing PTFEN

## Which combinations go together? Try out combinations yourself!

Key features/types	PTFEN Tubing	NPQH Fitting	NPCK Fitting	CRQS Fitting
<b>Material</b>	Polytetrafluoroethylene (PTFE)	Housing: nickel-plated brass	Housing: stainless steel	Housing: stainless steel
		Tubing retainer mechanism: stainless steel	Threaded plug: stainless steel	Tubing retainer mechanism: stainless steel
<b>Design</b>				
Tubing outside diameter/ pneumat. connection [mm]	4, 6, 8, 10, 12, 14, 16	4, 6, 8, 10, 12, 14	4, 6, 8, 10	4, 6, 8, 10, 12, 16
Thread type		M, G thread	M, G thread	R thread
<b>Area of application</b>				
Temperature-dependent operating pressure [bar]	-0.95 ... +12	-0.95 ... +20	-0.95 ... +12	-0.95 ... +10
Operating temperature [°C]	-20 ... +150	0 ... +150	-20 ... +120	-15 ... +120
<b>Resistance and suitability*</b>				
Resistant to chemicals	+++	++	+++	+++
Corrosion resistant		CRC3	CRC4	CRC4
Fire tested	UL 94			
Suitable for the food industry	+++ (FDA)	+++ (FDA)	+++ (FDA)	+++ (EC1935/2004)
Media	Compressed air, vacuum	Compressed air, vacuum, water**	Compressed air, vacuum, water**	Compressed air, vacuum, water**
<b>Other</b>				
Packaging units	500 m (PU for 6+8 mm) 100 m (PU for 4+6 mm) 50 m (PU for 8, 10, 12, 14, 16 mm)	10 pcs.	1 pc.	1 pc.
Number of different types	5 diameters	155 different types	6 types	83 types

\* +++ highly suitable ++ suitable + suitable to a limited extent – unsuitable

\*\* Other media upon request

## Technical features of our recommended combination

**PTFEN** + **NPQH**   150°C 12 bar 

### Heat resistant

For high temperatures up to 150°C. Ideal for the food industry, FDA-compliant material and resistant to cleaning agents.

**PTFEN** + **NPCK**   120°C 12 bar 

### Clean Design

Easy to clean thanks to the union nut's edge-free design. Maximum resistance to corrosion (CRC 4) and FDA compliant. Suitable for a wide range of media.

**PTFEN** + **CRQS**   120°C 10 bar 

### Corrosion resistant

Maximum resistance to corrosion (CRC 4) and aggressive acids and alkalis.

## Information on media resistance

[www.festo.com/media\\_resistance](http://www.festo.com/media_resistance)

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