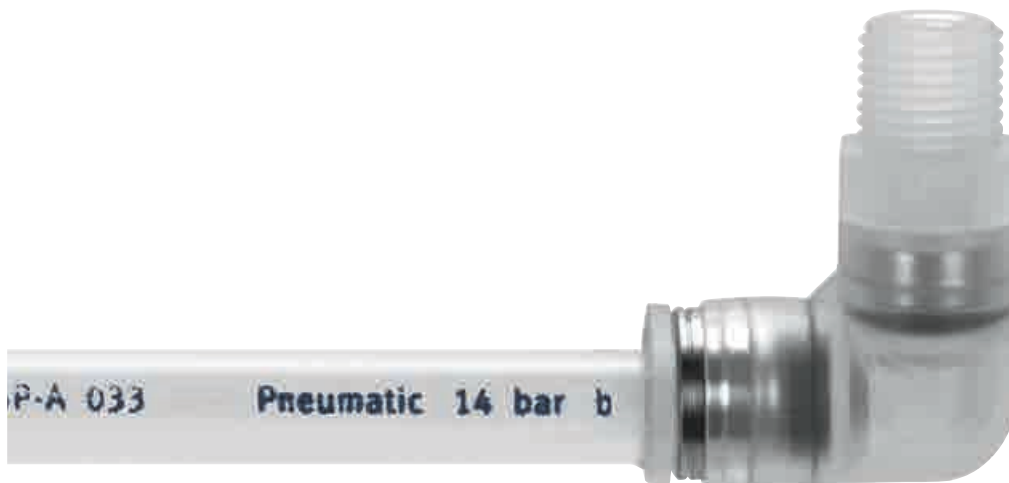


Polypropylene fittings NPQP

FESTO



Resistant to chemicals

Highlights

- Resistant to chemicals
- Corrosion-resistant
- FDA compliant
- Inexpensive
- Lightweight
- Transparent for easy monitoring

NPQP is FDA compliant. Not only that, it also offers a high level of process security as it is resistant to chemicals, approved for use with food, light and transparent. This makes it an inexpensive alternative to stainless steel fittings for the food and beverage industry, biotechnology/pharmaceuticals, medical technology, clean rooms and process automation.

Food safety included

Safe thanks to FDA compliance internally and externally. This means that process air can also be used. The combination of NPQP with the plastic tubing PFAN is also fully FDA compliant. Used together, they easily resist all cleaning agents and lubricants as well as aggressive acids and alkalis.

The economic alternative

Thanks to the fact that NPQP has a high level of corrosion protection, is resistant to chemicals and hydrolysis and is approved for use with food, it offers an alternative to stainless steel fittings – even for applications other than food. NPQP in combination with tubing PLN is also food-industry

approved, resistant to cleaning agents and economical.

Lightweight with well-proven clamping technology

Thanks to its low weight, NPQP is ideal for mobile automation solutions, e.g. on robot arms. And it is easy to use, with lower insertion and release forces required than with fittings with clamping collets, but giving the same holding force.

Transparent for fast monitoring

Dirt has no chance here. The transparent design means it is immediately visible.

Polypropylene fittings NPQP

Quickly and easily combined: NPQP and suitable tubing

Technical data

Feature	NPQP fittings Push-in fitting	Tubing PFAN	Tubing PLN
Materials	Housing: polypropylene	Sheath: perfluoroalkoxyalkane	Sheath: polyethylene
	Threaded coupling: polypropylene		
	Release sleeve: polypropylene		
	Tubing retainer mechanism: stainless steel		
Feature			
Tubing O.D. [mm]	4, 6, 8, 10, 12	3, 4, 6, 8, 10, 12	4, 6, 8, 10, 12, 14, 16
Colours	Transparent	Natural	Natural, black, blue, silver, red
Thread type	R thread with sealing ring*: EPDM		
Application			
Operating pressure [MPa]	-0,095+1	-0,095 ... +1,6	-0,095 ... +1,4
Operating temperature [°C]	-20 ... +60	-20 ... +150	-30 ... +80
Resistance and suitability**			
Resistant to chemicals	+++	+++	++
Hydrolysis resistant	+++	+++	+++
	+++ FDA-listed material	+++ FDA-listed material, Declaration of conformity in accordance with Regulation (EC) 1935/2004	+++ FDA-listed material EU-listed material to EU 10/2011
Suitable for use in the food industry***	+++	+++	+++
Operating medium	Compressed air, vacuum	Compressed air, vacuum, water, steam	Compressed air, vacuum, water steam
Other			
Packaging units	10 pcs.	50 m	50 m

* Use of sealing compound recommended

* +++ highly suitable ++ suitable + suitable with reservations – unsuitable

*** Suitable for use in the food industry in accordance with supplementary material information/declaration of conformity

→ NPQP: www.festo.com/certificates/NPQP

→ PFAN: www.festo.com/certificates/PFAN

→ PLN: www.festo.com/certificates/PLN

For critical requirements: NPQR

When the NPQP cannot be used, for example in applications with steam cleaning and its associated temperature or mechanical stresses, we recommend the quick push-in fitting NPQR made of high-quality stainless steel.

This fitting is very well designed for use in food applications and meets the requirements for suitable materials and conformity:

→ www.festo.com/certificates/NPQR

For more information, search for NPQR at:

→ www.festo.com



Tip:

Use our tools, for example for physical units for calculating the flow rate: → www.festo.com/CalculationTools

Information about media resistance

→ www.festo.com/media_resistance

www.festo.com