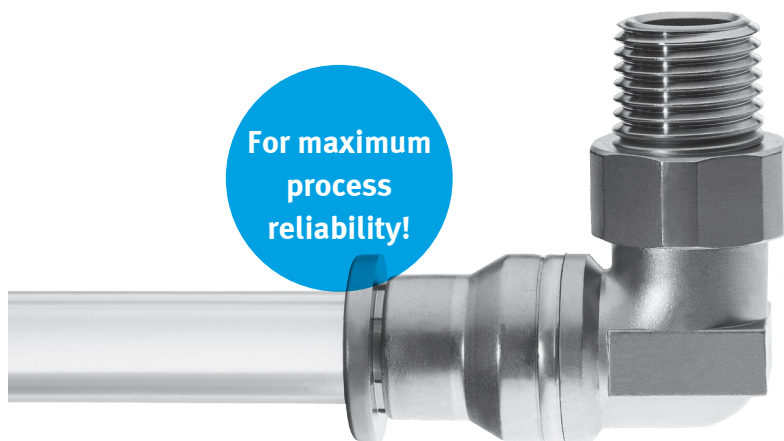


Tubing/fitting combination

PFAN/CRQS

FESTO



Suitable for use in the food industry

Highlights

- Maximum chemical resistance
- Suitable for highly aggressive acids and alkalis
- Can be used in all areas of the food industry
- Ideal for high temperatures
- Suitable for all cleaning agents and lubricants

The combination for aggressive media and environmental influences: tubing PFAN and the quick push-fit threaded connection CRQS. Combined for the optimal, permanently trouble-free operation of your equipment. And for quick assembly too – simply Festo plug & work.

Highest process reliability in every case

For maximum resistance to chemicals: the stainless steel fitting CRQS and plastic tubing PFAN. Used together, they easily resist all cleaning agents and lubricants and can also be used with highly aggressive acids and alkalis.

Unlimited use in the food industry

The tubing PFAN is suitable for use with food and can be used in combination with the CRQS fittings in all areas of the Food & Packaging industry, e.g. wherever

the use of stainless steel is stipulated, and where NPQH fittings which are also suitable for the food industry are not permissible.

Reliable at high temperatures

The plastic tubing PFAN's decomposition temperature of 230°C speaks for itself. Installed together with the stainless steel fittings CRQS, this tubing/fitting duo can supply compressed air at 10 bar at temperatures of 80°C and up to 6 bar at 150°C, thus ensuring reliable system operation – even when things get hot.

Tubing/fitting combination

PFAN/CRQS

Technical data

Feature	Tubing PFAN	Fittings CRQS Push-in fitting	One-way flow control valve (CRGRLA)
Material	Sheath: perfluoroalkoxy alkane	Housing: stainless steel casting	
	Calibration: external	Sealing ring:	
		Fluoro elastomer	FPM
		Releasing ring: stainless steel	
Design		Tubing retainer mechanism: stainless steel	Thread: stainless steel
	Tubing O.D. [mm]	4, 6, 8, 10, 12, 16	Thread: M5, G 1/8, G 1/4, G 3/8, G 1/2
	Colours	Stainless steel	
	Thread type	M and R threads	Metric and cylindrical threads
Scope of application			
Operating pressure [bar]	-0.95 ... +16	-0.95 ... +10	-0.3 ... +10
Operating temperature [°C]	-20 ... +150	-15 ... +120	-20 ... +80
Resistance and suitability*			
Resistant to chemicals	+++	+++	
Hydrolysis resistant	+++	+++	
Anti-static	—	+++	
Flame resistant	+++ (UL 94)	+++	
Suitable for use in the food industry	+++ (FDA)	+++	
Media	Compressed air, vacuum, water (not drinking water), acids and alkalis	Compressed air, vacuum, water	
Miscellaneous			
Packaging units	50 m	1 pc.	1 pc.
Number of different types	5 diameters	75 different types	5 different types
Particulars	FDA compliant	CRC 4	CRC 4

* +++ Highly suitable ++ Suitable + Suitable to a limited extent — Unsuitable

** Other media on request

The PFAN/CRQS combination:

ideal for use in applications with extreme media influence. Depending on the media influence, Festo offers a range of further application-specific tubing/fitting combinations for the food industry.

Tubing/fitting combination	Whenever ...
PUN-H + CRQS (or NPQH)*	... you require hydrolysis-resistant connections that are approved for the food industry for use with low media influence.
PLN + CRQS (or NPQH)*	... you require connections that are resistant to cleaning agents and approved for the food industry for use in environments with media influence of medium strength.
PFAN + NPCK	... you want to fulfil the requirements for "Hygienic Design". Our clean design connection with its maximum resistance to corrosion, temperature and chemicals guarantees reliable food production.

* Note: The use of stainless steel components is not always essential. In such cases, the use of more cost-effective, full metal fittings NPQH which are suitable for use in the food industry is also appropriate.

Additional tubing/fitting combinations of the NPQM for every application:



Hydrolysis resistant ...



resistant to cleaning agents ...



suitable for use in the food industry!

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