

# Tubing/fitting combination PFAN/CRQS

FESTO



approved for the food  
industry II

### The combination for aggressive media and environmental influences:

Tubing PFAN and push-in fittings CRQS, combined for optimal, sustained trouble-free operation of your system – simply with Festo plug and work® for quick assembly.

### Maximum precision every time

For maximum resistance to chemicals – the stainless steel push-in fitting CRQS and the plastic tubing PFAN. Combined in use, these are resistant to all cleaning and lubricating agents and are suitable even for the most aggressive of acids and alkaline solutions.

### Unrestricted use in the food industry

The food industry approved tubing PFAN can be used in conjunction with CRQS push-in fittings in all areas of the food & Packaging industry sector, e.g. in

areas where the use of stainless steel is specified and the use of the equally food-safe QS-F is therefore not possible.

### Reliable in use at high temperatures

The decomposition temperature 230 °C of the plastic tubing PFAN speaks for itself. Installed with the stainless steel push-in fittings CRQS, this combination facilitates a compressed air supply of 10 bar at 80 °C and up to 6 bar at 150 °C for the reliable operation of your system – even when the heat is on.



Media resistant, ...

food safe, ...

heat resistant!

416.10. PSI →

Product Short Information

# Tubing/fitting combination

## PFAN/CRQS

### Technical data

Characteristic	PFAN tubing	CRQS fittings	
		Push-in fitting	One-way flow control valve (CRGRLA)
<b>Material</b>	Casing: Perfluoralcoxyalcan	Housing: stainless steel	
	Calibration: External	Sealing ring:	
		Fluor rubber	Nitrile rubber
		Releasing sleeve: stainless steel	
		Tubing retaining mechanism: stainless steel	
<b>Design</b>			
Tubing O.D. [mm]	4, 6, 8, 10, 12	4, 6, 8, 10, 12,16	Thread: M5, G 1/8, G 1/4, G 3/8, G1/2
Colours	Natural	Stainless steel	
Thread type		Metric and R thread	
<b>Application range</b>			
Operating pressure [bar]	-0.95 ... +16	-0.95 ... +10	-0.2 ... +10
Operating temperature [°C]	-20 ... +150	-15 ... +120	-20 ... +80
<b>Resistance and suitability*</b>			
Resistance to chemicals	+++	+++	
Hydrolytic resistance	+++	+++	
Antistatic	–	+++	
Flame retardant	+++	+++	
Food industry approved	+++	+++	
Media	Compressed air, vacuum, water (not drinking water), acids and lyesids	Compressed air, vacuum	
<b>Other</b>			
Packaging units	50 m	1 pc..	1 pc.
Type diversity	5 diameters	75 different types	5 different types
Special features	FDA-compliant	KBK 4	

\* +++ Excellent suitability ++ Good suitability + Suitability conditional – Not suitable

### The PFAN/CRQS combination

– ideal for use with applications subject to the effects of extreme media. No matter what the effects of media, Festo offers a wide range of additional application-specific tubing/push-in fitting combinations for the food industry.

Tubing/push-in fitting Combination	In the event that ...
PUN-H + CRQS (or QS-F)*	... you require hydrolytic resistance and food industry approved connections for use in applications subject to minimal effects of media.
PLN + CRQS (or QS-F)*	... you require detergent-resistant and food industry approved connections for use in environments subject to moderate effects of media.

\* Note: The use of stainless steel components is not always mandatory. In cases of this type, the use of the low cost food industry approved all metal push-in fitting QS-F is ideally suitable.

### Tubing/push-in fitting combinations for all cases:



Hydrolysis resistant, ...

detergent resistant, ...

food safe!

### More information:

Get more information in the constantly updated Download Area on [www.festo.com](http://www.festo.com) or ask the Festo Info Service.

### Free tube selection software

Available in the Download Area and on the CD-ROM of the electronic catalogue – taking the difficulty out of deciding. Simply enter your application-specific requirements and let our system guide you quickly and reliably to an appropriate solution.

### Media-resistance information

[www.festo.com/mediaresistance](http://www.festo.com/mediaresistance)

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