

# Tubing/fitting combination PEN/QS-B

FESTO



## Cost effective

### A universal combination at an attractive price:

High tech leads to low prices. Thanks to a new production method, the properties of the inexpensive PEN tubing are virtually the same as those of polyurethane tubing. Perfect in combination with the QS-B series of fittings.

### Core functions at a low price

The use of the material polyethylene makes PEN tubing significantly cheaper than comparable polyurethane tubing. A further benefit: QS-B fittings are part of a product range focused on the most important core functions, and at an optimum price.

### Multifunctional

Ideal for all standard applications with pressures of up to 10 bar and temperatures up to 60°C. Like the cleaning-agent-resistant PLN tubing, PEN is also resistant to

hydrolysis and the most commonly-used cleaning agents. PLN tubing, however, continues to be recommended for applications in food zones, since it has the necessary approval certificates.

### Optimised installation

Thanks to a new production method, the properties of PEN tubing are virtually the same as those of polyurethane tubing. Even tight bending radii are possible with this polyethylene tubing.



Cost-effective, ...

for universal applications, ...

installation-optimised!

416.14. PSI →

Product Short Information

# Tubing/fitting combination

## PEN/QS-B

### Technical data

Feature	PEN	QS-B fittings	
		Push-in fitting	1-way flow control valve (GRLA-QS-B-20)
<b>Material</b>	Sheath: cross-linked polyethylene	Body:	
	In standard inside and outside diameters	PBT/nickel-plated brass	Reinf. thermoplastic
		Sealing ring: NBR	
		Release sleeve:	
		Polyacetate	Polycarbonate
		Tubing clamp mechanism: Stainless steel	
<b>Available versions</b>			
Tubing outside Ø [mm]	4, 6, 8, 10, 12,16	4, 6, 8, 10, 12	6, 8
Colours	Black, neutral, blue, silver, red, green, yellow*	Black/light grey	
Thread type		Metric and R threads	G threads
<b>Area of application</b>			
Operating pressure [bar]	-0.95 ... +10	-0.95 ... +10	-0.2 ... +10
Operating temperature [°C]	-30 ... +60	-10 ... +60	-10 ... +60
<b>Resistance and suitability*</b>			
Resistant to chemicals	++	+	
Hydrolysis resistant	+++	+++	
Antistatic	—	—	
Flame resistant	—	—	
Food industry approval	—	—	
Media	Compressed air, vacuum		
<b>Other</b>			
Packaging units	50, 100, 200, 300, 400, 500 m	10 pcs., 20 pcs.	20 pcs.
Number of types	6 diameters	176 different types	3 different types

+++ highly suitable    ++ suitable    + suitable with reservations    – unsuitable    \* other colors on request

### 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)

### The PEN/QS-B combination

Multifunctionality at an attractive price.

Tubing/fitting combination	If you are looking for ...
PUN-E/QS-B	... highly-flexible tubing that offers maximum ease of installation and an attractive price.
PUN/QS	... a well-proven combination in the maximum possible number of variants to cover virtually every application.
PFAN + QS-F	... tubing and fittings for applications requiring heat resistance up to 150 °C

### Tubing/fitting combinations for every application:



Cost effective, ...

available in numerous variants, ...

resistant to heat!

### Festo AG & Co. KG

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