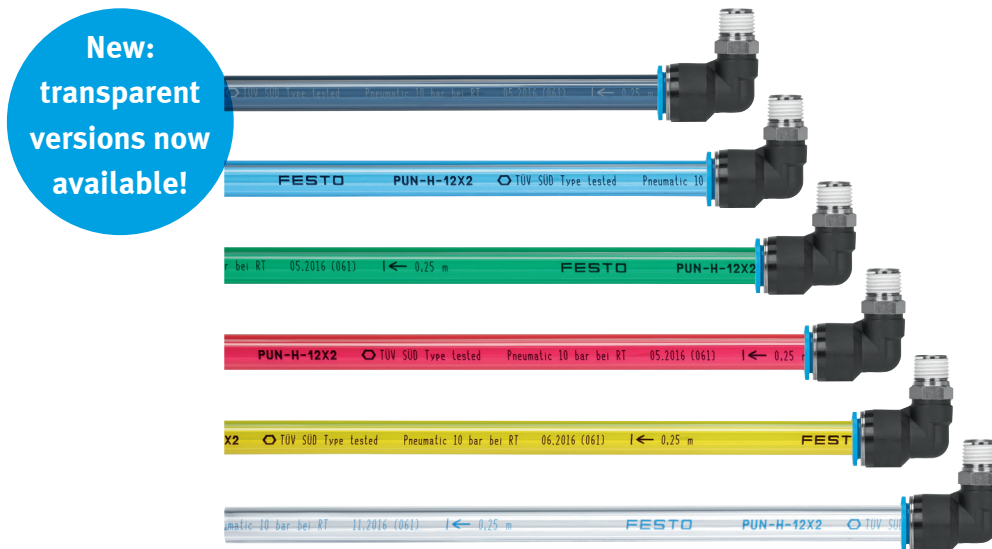


# Tubing/fitting combination PUN-H/QS

FESTO



## Versatile

### Highlights

- Food-grade\*: FDA listed material
- Hydrolysis-resistant
- Resistant to microbes
- UV resistant
- Transparent

Tubing PUN-H and push-in fitting QS are the perfect combination for many applications. They ensure the optimal, trouble-free operation of your systems at all times, are resistant to hydrolysis and can be used in environments with high moisture levels.

#### Reliable compressed air supply

Tubing PUN-H is suitable for standard applications and in wet areas, or when in contact with water at up to 50°C. Thanks to the use of a modified material it won't crack through hydrolysis.

#### Highly versatile

Not only is the kink-resistant PUN-H easy to install, its resistance to hydrolysis and microbes makes it perfect for use in the food industry\*. In addition, the black version is UV-resistant and can thus be used outdoors.

#### Short installation time thanks to proven plug and work

Connecting and releasing is made really simple by the push-in fittings QS in the standard Festo quality with the proven sealing and release principle.

#### Transparency for greater safety

The transparent versions make it easy to detect particles, moisture and oil in the tubing. This provides an easy and effective way of monitoring the condition of any potential risks to your system.

# Tubing/fitting combination PUN-H/QS

Technical data			
Feature	Tubing PUN-H	Push-in fitting QS(M) ★	One-way flow control valve GRLA-D ★
<b>Material</b>	Sheath: polyurethane	Housing: PBT/nickel-plated brass	Die-cast zinc
	Calibration: external	Sealing ring: NBR	NBR
		Releasing ring: POM	POM
		Tubing retainer mechanism: stainless steel	Stainless steel
<b>Feature</b>			
Tubing O.D. [mm]	2, 3, 4, 6, 8, 10, 12, 14, 16	2, 3, 4, 6, 8, 10, 12, 16, 22	3, 4, 6, 8, 10, 12
PUN-H colours	Blue ★, black ★, silver ★, green, red, yellow		
Colours: transparent versions of PUN-H-T (for Ø 4 – 12 mm)	Blue ★, natural ★, green, red, yellow, black		
Thread		M, G and R threads M3 – M7, 1/8 to 3/4	G thread M5, 1/8 to 1/2
<b>Area of application</b>			
Operating pressure [bar]	-0.95 ... +10	-0.95 ... +14	-0.2 ... +10
Operating temperature [°C]	-35 ... +60	-10 ... +80	-10 ... +60
<b>Resistance and suitability**</b>			
Resistant to chemicals	+	+	
Hydrolysis-resistant	++	+++	
Food-grade*	FDA listed material	-	-
Media	Compressed air, vacuum, water***	Compressed air, vacuum, water	Air









\* See extended material information

\*\* +++ Highly suitable ++ Suitable + Limited suitability – Not suitable

\*\*\* As per the manufacturer's declaration

PUN-H can be very flexible used in standard applications. However, Festo also offers other reliable combinations tailored to your requirements for applications with environmental influences.

## Technical features of our recommended combinations for the food zone

<b>PUN-H</b> 	+	<b>NPQH</b> 			Hydrolysis-resistant and food-grade* safe (FDA listed material) for use with reduced media influences.
<b>PUN-H</b> 	+	<b>NPKA</b> 			Hydrolysis-resistant, food-use* (FDA listed material), suitable for applications with water. Combination suitable for use in cleanrooms, corrosion resistant thanks to 100% polymer construction. Very easy to install thanks to the “one click principle”.

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