

# Universal metal fitting NPQH

FESTO



## Sturdy, multitaled

### Highlights

- Resistant to cleaning agents
- Food-safe according to VO (EC) 1935/2004
- NSF 169 certified
- High temperature resistance
- Sturdy quality
- Wide range of variants

The metal fitting NPQH is the ideal complement for numerous applications. Thanks to the coating, it can be used in typical standard applications. And the combination with a wide variety of tubing makes it truly multitaled: food-safe, heat resistant to 150°C as chemically nickel-plated, flame-retardant and suitable for high pressures.

#### A winning combination

The numerous variants together with the many different types of tubing mean that you can get everything from a single source for your application. We will show you some of the best combinations.

#### Suitable for use in the food industry...

... and FDA compliant, resistant to microbes and hydrolysis: NPQH with tube PUN-H-F. For efficient use in the splash zone of food applications.

#### Pressure resistant...

... for high pressure requirements up to 2.0 MPa: NPQH with heavy-duty tubing PAN-R. Ideal with pressure booster DPA.

#### Flame proof...

... even with welding applications: NPQH with PUN-V0-C. Ideal for the automotive industry.

#### Heat resistant...

... up to 150°C, highly chemical resistant, FDA compliant and resistant to common cleaning agents and lubricants: NPQH with tube PFAN.

#### Low-cost and very sturdy...

... and can be used everywhere: NPQH and PEN. Printable tubing for quick identification, resistant to cleaning agents and suitable for the food industry.

# Universal metal fitting NPQH

## Which combinations go together? Try them out for yourself!

NPQH can be combined perfectly with other components – and shows off a new strength each time.

With its many variants, easy handling, low insertion and release forces and its outstanding quality that ensures high process

reliability and a long lifetime, this sturdy metal fitting sparkles in any combination.

Feature	Fittings	Tubings				
	Push-in fitting NPQH	PFAN	PUN-H/PUN-H-F	PEN	PAN-R	PUN-V0(-C)
<b>Material</b>	Housing: Brass, chemically nickel-plated	Perfluoroalkoxy alkane	Polyurethane	Polyethylene	Polyamide	Polyurethane
<b>Version</b>						
Thread type	M thread, G thread	–				
<b>Application</b>						
Operating pressure [MPa]	-0,095 ... +2,0	-0,095 ... +1,6	-0,095 ... +1,0	-0,095 ... +1,0	-0,095 ... +3,5	-0,095 ... +1,0
Ambient temperature [°C]	0 ... +150	-20 ... +150	-35 ... +60	-30 ... +60	-30 ... +80	-35 ... +60
<b>Resistance and suitability<sup>1)</sup></b>						
Resistant to chemicals	++	+++	+	++	+	+
Hydrolysis resistant	+++	+++	++	+++	++	++
Fire testing/material	–	UL 94 V0	UL 94 HB	–	–	UL 94 V0-V2
Suitable for use in the food industry	+++ <sup>2)</sup>	+++ <sup>2)</sup>	PUN-H: ++ <sup>3)</sup> PUN-H-F: +++ <sup>2)</sup>	–	–	–
Media	Compressed air, vacuum, water <sup>4)</sup>	Compressed air, vacuum, water <sup>4)</sup>	Compressed air, vacuum, water <sup>4)</sup>	Compressed air, vacuum, water <sup>4)</sup>	Compressed air, vacuum	Compressed air, vacuum, water <sup>4)</sup>

1) +++ Highly suitable ++ Suitable + Suitable to some extent – Unsuitable

2) Food-safe according to VO (EG) 1935/2004

3) Food-safe according to VO (EU) 10/2011

4) Water as per manufacturer's declaration. Additional information: [www.festo.com/certificates/NPQH](http://www.festo.com/certificates/NPQH)

### Our service: the free product finder for tubing and fittings

You can use this selection software to simplify your research! Available in the Support and Downloads area. Enter your application-specific requirements and let our system guide you quickly and reliably to an appropriate solution.

### Complement: One-way flow control valve VFOH

The food-safe and heat-resistant one-way flow control valve VFOH meets almost the same requirements and can be used as an alternative to the push-in fitting NPQH.

The one-way flow control valve can be quickly and easily mounted directly on the drive and enables the cylinder speed to be optimally adjusted.

Available in sizes 1/4 and 1/8.



Additional information:

→ [www.festo.com/catalogue/vfoh](http://www.festo.com/catalogue/vfoh)

### Your path to fast selection

→ [www.festo.com/productfinder/tubing](http://www.festo.com/productfinder/tubing)

→ [www.festo.com/productfinder/fittings](http://www.festo.com/productfinder/fittings)

### Information about media resistance

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